

BRIAN CUMBO

ATTORNEY AT LAW

86 W. Main St., Suite 100 P.O. Box 1844 Inez, KY 41224 (606) 298-0428 FAX: (606) 298-0316 cumbolaw@cumbolaw.com

ADMITTED IN KY AND WV

RECEIVED

SEP - 1 2016

Public Service Commission

August 26, 2016

Aaron Greenwell, Acting Executive Director Public Service Commission P.O. Box 615 Frankfort, KY 40602

RE: Martin County Water District PSC Case No. 2016-00142

Dear Mr. Greenwell:

Enclosed please find an original of a supplement to the Martin County Water District's Response, number 19, containing the Division of Water's response to the District's open records request, along with an original and ten (10) copies of Motion for Leave to Submit Copies on Disc, and 10 discs, regarding the above captioned matter.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld Enclosure

cc: Martin County Water District

RECEIVED

COMMONWEALTH OF KENTUCKY

SEP -- 1 2016

BEFORE THE PUBLIC SERVICE COMMISSION

Public Service Commission

In the Matter of:

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INVESTIGATION OF THE OPERATING)	
CAPACITY OF MARTIN COUNTY WATER)	CASE NO. 2016-00142
DISTRICT PURSUANT TO KRS 278.280)	

MOTION FOR LEAVE TO SUBMIT COPIES ON DISC

Comes the movant, Martin County Water District, by counsel, and moves the Public Service Commission for leave to submit a supplement to their previous Response, number 19, and files herewith a paper copy of the response to the open records request from the Division of Water relative to all correspondence between the Division of Water and the District for the dates specified.

As grounds therefore, the documents number 1,046 pages, and to provide the designated number of paper copies is burdensome, not only to the District, but would be burdensome to the Commission as well.

Therefore, the undersigned has tendered one paper copy, and ten (10) copies on disc at this time.

Should the Public Service Commission require paper copies, they of course, will be submitted, but counsel requests the Commission accept the response on disc, as tendered.

Wherefore, counsel requests the appropriate Orders of the Commission consistent with this Motion.

BRIAN CUMBO

COUNSEL FOR MARTIN COUNTY

WATER DISTRICT P.O. BOX 1844

INEZ, KY 41224

TELEPHONE: (606) 298-0428 TELECOPIER: (606) 298-0316 EMAIL: cumbolaw@cumbolaw.com

CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was mailed, postage paid, on this the day of August, 2016, to the following:

Aaron Greenwell, Acting Executive Director Public Service Commission P.O. Box 615 Frankfort, KY 40602

BRIAN CUMBO

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

INVESTIGATION OF THE OPERATING)	
CAPACITY OF MARTIN COUNTY WATER)	CASE NO. 2016-00142
DISTRICT PURSUANT TO KRS 278.280)	

MARTIN COUNTY WATER DISTRICT'S SUPPLEMENT TO RESPONSE, NUMBER 19, CONTAINING THE DIVISION OF WATER'S RESPONSE TO OPEN RECORDS REQUEST



BRIAN CUMBO

86 W. Main St., Suite 100 P.O. Box 1844 Inez, KY 41224 (606) 298-0428 FAX: (606) 298-0316 cumbolaw@cumbolaw.com

ADMITTED IN KY AND WV

August 4, 2016

Peter Goodman, Director DEP Division of Water 200 Fair Oaks Lane, Fourth Floor Frankfort, KY 40621

RE: Martin County Water District

Dear Director Goodman:

Under the **Kentucky Open Records Act § 61.872 et seq.**, I am requesting an opportunity to inspect or obtain copies of public records that are in your agency's possession regarding the Martin County Water District. Please provide a copy of all communications for the period of July 1, 2013 to the present between Martin County Water District and Kentucky Division of Water, including its regional offices.

If there are any fees for searching or copying these records, please inform me if the cost will exceed \$100.00. This information is not being sought for commercial purposes.

The Kentucky Open Records Act requires a response time within three business days. If access to the records I am requesting will take longer than that time period, please contact me with information about when I might expect copies or the ability to inspect the requested records.

If you deny any or all of this request, please cite each specific exemption you feel justifies the refusal to release the information and notify me of the appeal procedures available to me under the law.

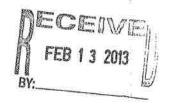
DEP Division of Water August 4, 2016 Page Two

Thank you for considering my request.

Very truly yours,

BRIAN CUMBO

BC/ld



KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 7/1/06

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTH & YEAR OF: January 2013

DEP Form 4012--Revised 07/2006

PWS ID :	KY0800273 PLANT ID:	A PLANT NAME:	MARTIN COUNTY WTP
PWS NAME:	MARTIN COUNTY WATER DISTRICT	PLANT CLASS: 3	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987	DATE MAILED:	02-06-2013
SOURCE NAME:	CRUM RESERVOIR	COUNTY:	MARTIN
3 5 1 1 1 1	TUG RIVER		Secretary and the secretary an
	OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	EARL T. ALLEY	1V-A	17562
WTP SHIFT 2:	MICHAEL SARTIN	1V-A	21944
WTP SHIFT 3:	JERRY L. BELCHER / JUSTIN L. BLACKBUR	1V-A/111-A	21719/16310
DISTRIBUTION:			6 m
TREATMENT PLANTS		,667	
1. DESIGN CAPACITY (gpm)	· · · · · · · · · · · · · · · · · · ·	(Venil)	8
2. TYPE OF FILTRATION US	ED;	MEDIA	
3. DESIGN FILTRATION RAT	TE (gpm/sq. ft.):	2.66	2
4. PERCENT BACKWASH W		0.9	
6. DATE FLOCCULATION B	ASIN(S) LAST CLEANED:	AN-01	
6. DATE SETTLING BASIN(S) LAST CLEANED:		

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE



APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

PAGE

January- 2013 OF 11

- 19	RAW	HOURS			COAGI	JLANT	pH ADJUSTMENT		DISINFEC	TANT	DISINFECTANT	
- 1	WATER	. PLANT OPERATED					Pro		Pre		Po	
DAY	GALLONS	1	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
1	1,914,000	24.0	237.4	14.9	4.2	0.3			323.6	20.3	169.2	10.6
2	1,967,000	24.0	237.4	14.5	4.2	0.3			339.0	20.7	169,2	10.3
3	1,924,000	: 24.0	237.4	14.8	4.2	0.3			336.8	21.0	169.2	10.5
A	1,940,000	24.0	237.4	14.7	4.2	0.3.			332.4	20.5	169.2	10.5
5	1,895,000	24.0	237.4	15.0	4.2	0.3			332.4	21.0	169.2	10.7
6	1.979.000	24.0	237.4	14.4	4.2	0.3			339.1	20,5	169.2	10.2
	1,976,000	24.0	237.4	14.4	4.2	0.3			339.1	20.6	169.2	10,3
7	1,949,000	22.0	217.6	13.4	3.9	0.2			317,1	19.5	155,1	9,5
8	Carpellini	14.0	138.5	14.1	2.5	0.3			203.4	20.7	100.5	10.2
9	1,178,000		207.7	14.5	3.7	0.3			300.0	21,0	159.1	11,1
10	1,714,000	21.0	237.4	14.5	4.2	0,3			339.0	20.7	169.2	10.3
11	1,965,000	24.0		14.5	4.2	0.3			339.1	20.7	169.2	10,3
12	1,964,000	24.0	237.4		4.2	0.3			325.6	20.5	169.2	10,7
13	1,901,000	: 24.0	237.4	15.0		====			332.4	20.7	169.2	10.5
14	1,923,000	: 24.0	237.4	14.8	4.2	0.3			300.3	18.3	170.4	10.4
15	1,970,000	24,0	237.4	14.4	4.2	0.3				20.0	169.2	10.4
16	1,960,000	24.0	237.4	14.5	4.2	0.3			327.2		169.2	10.3
17	1,971,000	24.0	237.4	14.4	4.2	0.3			328.5	19.9	-	
18	1,935,000	24.0	237,4	14.7	4.2	0,3			339.0	21.0	169.2	10.5
19	1,978,000	24.0	395.7	24.0	4.2	0.3			339.0	20.6	177.9	10.8
20	1,942,000	24.0	395.7	24.4	4.2	0.3			332.2	20.5	183.2	11.3
21	1,975,000	24.0	395.7	24.0	4.2	0.3			339.0	20.6	183.2	11.1
22	1,935,000	24.0	395.7	24.5	4.2	0.3			330.2	20.5	174.5	10.8
23	1,970,000	24.0	395.7	24.1	4.2	0.3			327.2	19.9	169.2	10.3
24	1,951,000	24.0	395.7	24.3	4.2	0.3			330.2	20.3	169,2	10.4
25	1,981,000	24.0	395,7	24.0	4.2	0.3			339.0	20.5	169.2	10.2
26	1,945,000	24.0	395.7	24.4	4.2	0.3			339.0	20.9	165,7	10.2
27	1,902,000	24.0	395.7	24.9	4.2	0.3			332.4	21.0	169.2	10.7
28	1,973,000	24.0	395.7	24.0	4.2	0.3			339.0	20.6	169.2	10.3
29	1,863,000	24.0	395.7	25.5	4.2	0,3			330.2	21,3	169.2	10.9
30	1,940,000	24.0	410.6	25.4	4.2	0.3			326.5	20.2	169,2	10.5
	1,953,000	24.0	535.8	32.9	4.2	0.3			328.5	20,0	169.2	10.4
31	59,333,000	24.0	9423.8		127.7		0.0		10122.4	4	5191.6	
TOTAL	1,913,968		304.0	19.0	4.1	0.3	#DIV/01	#DIV/0I	326.5	20.5	167.5	10.5

MAX

1,981,000

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AF	PLICABLE T	O ALL PLANTS
	STATE STATE OF THE	

PWS ID: KY0800273

PLANT ID:

REPORT MONTH/YEAR: _____January- 2013

-	was to the same of the		and the supposed that		the Maria Se	RECEIVABLE V	A 10 10 10 10 10 10 10 10 10 10 10 10 10			MG	PAGE_	(148)	OF _	
	DISINFECT		FLUOR	7	CARB	CHE	pH ADJU		KMn	1	CORROS			a unicoca (17
-						-	Pos							
	LBS	РРМ	LB\$	PPM	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LBS	РРМ
	492.8	30.9	60.9	3.8								- (4/3)-61		
		31.0	60.9	3.7										
	508.2	31.5	60.9	3.8										
324	501.6	31.0	60.9	3,8										
			60.9	3.9										
Ti.	501.6	31.7		3.7										
	508.2	30.8	60.9											
	508.2	30.8	60.9	3.7										
19	472.2	29.1	55.8	3.4									15	
	303.9	30.9	35.5	3.6										
M -	459.1	32.1	53.3	3.7									0	
	508.2	31.0	60.9	3.7										
	508.2	31.0	60.9	3.7										
	494.7	31.2	60.9	3.0										
10	501.6	31.3	60.9	3.8										77
	470.7	28.6	60.9	3.7			+							
	496.4	30.4	60.9	3.7						·11-2-1-1		***		
	495.7	30.2	60.9	3.7										
	508.2	31.5	60.9	3.8										-
	516.9	31.3	60.9	3.7										
	515.5	31.8	60.9	3.8										-
	522.2	31.7	60.9	3.7										
	504.7	31.3	60.9	3.6										
	498.4	30.2	60.9	3,7										
	499.4	30.7	60.9	3.7										
	508.2	30.8	60.9	3.7										
	504.7	31.1	60.9	3.8										
	501.5	31.6	60.9	3.8										
	508.2	30.9	60.9	3.7										-
	503.8	32.4	60.9	3.9			21.0							
	495.7	30.6	60.9	3.8										
	495.7	30.4	60.9	3.7										
1888		55,4			0.0		0.0		0.0		0.0		0.0	
AL	15,318.3 494.1	31.0	1,849.8 59.7	3.7	#DIV/0!	#DIV/01	#DIV/0!	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0!	#DIV/0I	#DIV/0I	#DIV

PWS ID : KY0800273
PLANT ID: A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: __January- 2013

					- Maria Tany	THE RESERVE THE PARTY OF THE PA	Marie Williams	AND ADDRESS OF	Total March 1990		PAGE	3	OF	11
		pH		TOT		AL RESULTS			CHLORINE	ESPECIFIED RESIDUAL		name presentation	TURBIDITY (N	134
				ALKAL	LINITY	HARD	NESS	TOP FILT		PLA TA			SETTLED	PLANT
AY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7.80	7.78	7.73	137	135	228	226	0.71	0.64	1.95	1.87	5.23	0.24	0.07
2	7.88	7.85	7.79	126	123	202	200	0.79	0.69	1.94	1.86	5.01	0.21	0.06
3	7.81	7.80	7.74	134	130	206	204	0.77	0,66	1.92	1.82	4.95	0.22	0.07
4	7.85	7.80	7.76	116	115	196	193	0.73	0.63	1,92	1.83	5.02	0.22	0.07
5	7.80	7.74	7.67	116	113	195	193	0.70	0.63	1.86	1.79	4.89	0.21	0.07
6	7.81	7.75	7.67	115	114	196	195	0.78	0.69	1.97	1.89	4.87	0.21	0.07
7	7.80	7.66	7.56	114	113	195	194	0.69	0.60	1.87	1.79	4.88	0.20	0.07
8	7.59	7.72	7.68	115	113	194	193	0.72	0.62	1.92	1.84	4.77	0.21	0.07
9	7.81	7.75	7.71	115	112	186	184	0.62	0.50	1.85	1.76	4.43	0.21	0.07
10	7.71	7.69	7.62	114	112	184	181	0.72	0.62	1.88	1.79	4.50	0.17	0.08
	7.75	7,67	7.58	110	107	186	185	0.73	0.62	1.89	1.82	4.30	0.19	0.07
110	7.69	7.68	7.59	111	110	185	184	0.71	0.61	1.85	1.78	4.16	0.19	0.07
12	7.68	7.70	7.61	112	110	186	184	0.74	0.65	1.94	1.87	4.15	0,20	0.08
13	7.69	7.61	7,48	113	111	187·	185	0.80	0.71	2.04	1.96	4.14	0.20	0.08
16	7.68	7.61	7.51	114	112	188	186	0.71	0.62	1.83	1.75	4.21	0.23	0.07
16	7.77	7.72	7.65	100	96	178	175	0.75	0.66	1.95	1.87	4.97	0.21	0.06
17	7.71	7.73	7.67	100	97	179	177	0.78	0.69	1.91	1.82	6.32	0.24	0.07
38	7.76	7.71	7.64	94	93	175	173	0.73	0.64	1,93	1.84	6.82	0.25	0.07
19:	7.69	7.65	7.56	90	87	168	167	0.73	0.64	1.94	1.86	9.48	0.21	0.07
20	7.68	7.64	7.54	90	91	166	165	0.70	0.61	1.89	1.81	9,44	0.21	0.07
21	7.66	7.58	7.49	91	90	167	164	0.67	0.60	1.94	1.88	9.32	0.24	0.08
22	7.65	7.58	7.53	90	89	165	164	0.70	0.61	1.94	1.86	9.09	0.22	0.07
23	7.67	7.62	7.58	84	81	165	163	0.73	0.64	1.95	1.87	9.15	0.24	0.06
24	7.61	7.64	7.60	99	92	167	163	0.69	0.59	1.90	1.80	9.46	0.25	0.06
25	7.73	7.59	7.51	97	95	169	166	0.77	0.67	1.99	1.90	10.10	0.23	0.07
28	7.72	7.51	7.43	96	95	167	166	0.72	0.63	1.94	1.86	10.00	0.27	0.07
27	7.49	7,48	7.40	97	95	166	165	0.66	0.57	1.86	1.78	12.60	0.25	0.08
28	7.48	7.45	7.38	99	97	165	164	0.73	0.64	1.95	1.89	12.30	0.24	0.08
29	7.44		7.40	98	97	166	163	0.76	0.68	1.97	1.89	12.10	0.28	0.07
30	7.53	2	7.35	55	52	110	109	0.84	0.75	1.93	1.87	13.70	0.22	0.06
	7.47		7.31	50	49	110	106	0.84	0.77	1.88	1.82	30.90	0.25	0.06
.31 VERAG		7.6	7.6	103	101	177	175	0.73	0.64	1.92	1.84	7.91	0.22	0.07

OPTIONAL INFORMATION—Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT PLANT ID: A
AGENCY INTEREST: 2987

REPORT MONTH/YEAR: January- 2013

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF

	RAW		SEDIME	NTATION BA		-	RESULTS (NTU) INDIVIDUAL FILTER EFFLUENT DAILY MAXIMUM							CFE	
DAY	DAILY MAXIMUM	#1	#2	#3	#4	#5	#8	#1	#2	#3	#4	#5	#6	#7 N	ILIMUXAN
	5.23	1	0.28	0.34						0.06	0.07	0.12	0.07		0.07
2	5.01	1	0.25	0.22		=======================================				0.06	0.06	0.06	0.06		0.06
	4.95		0.26	0.22						0.06	0.07	0.06	0.06	X	0.06
3	5.02		0.26	0.24						0.06	0.07	0.07	0.06		0.06
	4.89		0.24	0.21						0.06	0.07	0.07	0.07		0.06
5	4.87		0.25	0.22						0.06	0.06	0.06	0.07		0.06
В	4.88	Western -	0.24	0.21						0.06	0.06	0.07	0.07		0.06
Jk	4.77		0.23	0.25						0.06	0.07	0.08	0.07		0.06
8			0.29	0.23						0.06	0.07	0.08	0.07		0.06
9	4.43		0.27	0.17						0.06	0.06	0.07	0.07	-	0.06
10	4.50		0.26	0.17						0.06	0.06	0.06	0.06		0.05
1155	4.30		0.24	0.19						0.06	0.06	0.06	0.06		0.05
12	4.16	1	0.22	0.23						0.06	0.07	0.08	0.06-	5.	0.07
13	4.15		0.23	0.22						0.06	0.07	0.14	0.12		0.07
(d	4.14	1	0.23	0.33						0.06	0.07	0.08	0.06		0.06
15	4.21			0.23						0.07	0.07	0.07	0.06		0.06
10	4.97		0.26	0.23						0.06	0.07	0.09	0.05		0.06
17	6.32	1	0.28	0.27						0.06	0.07	0.09	0.07		0.09
18	6.82		0.30		1.					0.05	0.06	0.07	0.06		0.07
19	9.48		0.33	0.25						0.04	0.06	0.08	0.05		0.07
20	9.44		0.22							0.05	0.06	0.21	0.06		0.11
21	9.32		0.32	0.42						0.04	0.06	0.22	0.06		0.12
22	9.09		0.27	0.26						0.05	0.06	0.06	0.05		0.0
23	9,15		0.34	0.24						0.05	0.06	0.05	0.05	5.0.8	0.0
24	9.46		0.31	0.29						0.05	0.06	0.05	0.05		0.0
25	10.10		0.31							0.05	0.06	0,10	0.05		0.0
26	10.00		0.28	0.79						0.05	0.06	0.26	0.06		0.1
27	12.60	his	0.36	0.53	-					0.05	0.06	0.09	0.05		0.0
28	12.30		0.23	0.48						0.06	0.06	0.14	0.06		0.0
29	12.10	- 1	0.28	0.59						0.05	0.06	0,05	0.06		0.0
30	13.70		0.26	0.32		-				0.05	0.05	0.06	0.07	1	0.0
31	43.10 BE 8.3	#DIV/0!	0.31	0,30		#DIV/0!	up p 4/61	#DD ((6)	#D0.401		0.06	0.09	0.06	#DIV/0!	

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

January- 2013

	ATTA CONTRACTOR	wer Y/N quer	A STATE OF THE STA	NALYTIGAL RI	SULTS (mg/L	OR PPM UNI	ESS OTHERWI		PAGE		
	FLUC		THE RESERVE AND ADDRESS OF THE PARTY OF THE	ON	-	GANESE			Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1 10	0.34	1.06	0.10	0.03	0.04	0.01			1,90	0.2	9.7
2	0.34	1.03	0.09	0.03	0.04	0.01			2.00	0.0	8.7
3	0.33	1.05	0.08	0.03	0.04	0.01			1.90	0.0	8.4
4	0.31	: 1.02	0.08	0.03	0.03	0.01			1.85	0.0	:8.3
5	0.33	1.03	0.08	0.03	0.03	0.01			1.75	0.0	8.6
6	0.32	1.01	0.07	0.03	0.03	0.01			1.70	0.0	8.5
7	0.33	1.04	0.06	0.03	0.03	0.01			1.95	0.0	8.6
8	0.32	1.01	0.07	0.03	0.03	0.01			1,90	0.0	9.2
9	0.29	1.08	0.08	0.03	0.04	0.01			1.50	0.0	8.3
10	0.28	1.04	0.07	0.03	0.04	0.01			2.00	0.1	8.4
11	0.32	0.98	0.08	0.03	0.04	0.01			1.95	0.1	8.3
12	0.33	1.01	0.07	0.03	0.04	0.01			2.00	0.2	8.5
13	0.34	1.01	0.06	0.03	0.04	0.01			1.85	0.0	8.7
44	0.31	1.03	0.07	0.03	0.03	0.01			1.90	0.3	8.5
15	0.32	1.02	0.09	0.03	0.04	0.01			1.80	0.2	8.3
16	0.28	0.96	0.04	0.03	0.04	0.01			1.95	1.5	8.4
17	0.19	0.94	0.09	0.03	0.05	0.01			1.95	0.1	:8.3
18	0.22	: 1.01	0.10	0.03	0.05	0.01			1.90	0.0	8.5
119	0.22	0.99	0.11	0.03	0.06	0.01			2.00	0.0	8.2
20	0.21	1.02	0.13	0.03	0.07	0.01			1.85	0.0	8.1
21	0.27	1.02	0.12	0.03	0.08	0.01			1.90	0.0	8.2
22	0.23	1.01	0.13	0.03	0.06	0.01			1.80	0.0	8.1
23	0.22	1.01	0.10	0.03	0.06	0.01			1.95	0.0	7.9
24	0.18	0.95	0.11	0.03	0.06	0.01			1.95	0.0	7.5
25	0.19	0.98	0.10	0.03	0.06	0.01			1.97	0.0	7.4
26	0.18	0.99	0.11	0.03	0.06	0.01			1.97	0.1	7.2
27	0.17	1.03	0.13	0.03	0.06	0.01			1.91	0.0	9.4
28	0.21	1.03	0.15	0.03	0.07	0.01			2.02	0.2	9.1
29	0.23	1.03	0.13	0.03	0.06	0.01			1.90	0.1	8.7
30	0.14	0.97	0.18	0.03	0.08	0.01			2.00	0.0	7.2
31	0.07	0.95	0.19	0.03	0.13	0.01	11		1.95	1.7	7.3
AVERAGE	0.26	1.01	0.10	0.03	0.05	0.01	#DIV/01	#DIV/0!	Monthly Minimum	Rainfail	8.3
		-					10.000		1.50		Page Control
							Number	f readings	31	4.84	

Disinfectant Chloramines? (Y/N)

For Free Chlorine, # less than 0.2 mg/L For Chloramines, # less than 0.5 mg/L

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : __ PLANT ID: __ KY0800273

Α .

REPORT MONTH/YEAR: January- 2013 PAGE 6 OF _____11

	TOTAL	No:	3	No:	4	No:	5	No:	6	No:	
	TOTAL WASH WATER	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	Levenus
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HR6	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS
DAY		GALLONG				19,000	114.90	18,000	114.90		
1 2	37,000					10,000	1111100				
2		<u> </u>									
3	28,000	14,000	103.00	14,000	103.00						
4											
5	38,000					19,000	98.30	19,000	98.30		
6											2
7											-
В	30,000	15,000	111.20	15,000	111.20						
9	26,000					13,000	90.80	13,000	90.70		-
10	7										
11											
12			407.00	47.000	107.30						
13	34,000	34,000	107.30	17,000	107.30	20,000	111.10	20,000	111.10		1 1 1
14	40,000					20,000	111.10	20,000	111.70		
16			-				-				
16	31,000	16,000	78.70	15,000	78,70				-		
17	V 1 2 -		-						+		
18	34,000					17,000	97.10	17,000	97.10		
19		A STATE OF THE PARTY OF THE PAR							 		-
20	34,000	17,000	95.20	17,000	95.20						-
21									-		
22	34,000					17,000	95.10	17,000	95.10		
23											
24	30,000	15,000	95.10	15,000	95.10						-
26											
discretion.								- Vise suite is ce			
26	20,000					19,000	111.30	19,000	111.30		1
27	38,000	- William									
28		4	444.40	42.000	111.40	12,000	47.20				
29	39,000	14,000	111.40	13,000	111.40	12,000	11.20				
30		-	-		-	44.000	E4 00	21,000	98.20		
31	35,000	-	-			14,000	51.00			0	0,00
TOTAL	508,000	125,000	701.90	106,000	701.90	150,000	816.80		816.70		
AVERAG	€ 33,867	17,857	100.271	15,143 COPY AS NE	100.271	16,667	90.756	18,000	102.088	#DIV/0!	#DIV/0

COPY AS NEEDED

ALL WATER BYSTEMS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: January- 2013

PAGE 7 OF 11

	CHE	MICALS ADDED	, , , , , ,	,			TEST RI					
	CHLORINE	CHLORINE	-	NO.	ern	TOTAL	(T) AND FREE (F) C	HLORINE RESIDUA	L (ppm)	WEST		
-	BOOSTER LB9	BOOSTER LBS		T	F F	т	F	Ť	F	T	F	
	5.8			1.66	1.56	1.46	1.38	1.74	1.69	1,57	1.48	
N .	5.8	1		1.66	1.58	1.29	1.21	1.17	1.08	1,61	1,57	
	5.8		100	1,28	1.08	1,45	1.35	1,49	1.43	1,54	: 1.46	
	5.8			1.17	1.11	1.09	1.06	1,55	1.46	1,16	1.06	
S)				1,69	1.66	1,62	1.53	1,27	1.22	1,26	1.18	
	5.8	1	5727LS	1.50	1.41	1.52	1.45	0.84	0.77	0.93	0.86	
	5.8		900	1.47	1.26	1.00	0.97	1.59	1.56	1,17	1.11	
	5.8			1.29	1.16	1.29	1.22	1,61	1.54	1,16	1.0	
3	5.8		600	1.58	1.49	1,09	1.04	1.50	1,41	1.58	1,5	
	5.8			1.35	1.24	0,83	0.76	1.35	1.31	1.17	1.0	
0	0.0		y. 1.	1,11	0.98	1.26	1,22	1.69	1.66	1,32	1.2	
B	5.8			1.62	1,54	1.65	1.59	1,61	1.55	1.57	1.4	
	5.8	******	and the same	1.53	1,46	1.47	1.42	1.55	1.48	1,50	1.4	
	5.8	8		1.50	1,43	1.32	1.26	1.58	1.52	1.30	1.2	
	5.8	i		1.38	1,30	1.16	1.08	0,37	0.29	1.34	1.2	
	5.8	-		1.18	1,12	1.14	1.06	1.74	1,68	1,50	1.4	
	5,8				1,12	0.85	0.75	1,65	1.63	1,57	1.5	
100	5.8	£	Tital I	1.56	0.83	1.38	1,30	1.65	1.62	1.33	1.3	
	5.8		V.	0.93	1,54	1.67	1,62	0.86	0.80	1.24	1.2	
	0.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2000	1.86	1,54	1.71	1.64	0.91	0.85	0.41	0.3	
	0.0			1.61	1.45	1.51	1.45	0.47	0.42	0.74	0.6	
	5.8			1.57	1,58	1.17	1.13	1.71	1.65	1.19	1.1	
100	5.8	-		1.59	1.31	1.19	1.15	1,46	1.42	1.40	1.3	
	5,8			1.34	1.64	1.37	1.33	1.74	1.70	1.10	1.0	
	5.8			1.67	1.34	1.10	1.03	1.56	1.52	1.15	1.1	
総	5.8		200	1.59	1.51	0.99	0,91	1.67	1.61	1,62	1.8	
	5.8		4-388265T	1.58	1.50	1.62	1.53	1.42	1,35	1.54	1.4	
	5.8		C. Hotely	1.57	1,42	1.35	1.27	0.89	0.84	1,31	13	
建	5.8	-		1.79	1.72	1.17	1.11	1.42	1.38	1.61	1.5	
	0.0	12200		1.79	1.25	0.78	0.71	1.70	1,63	1.50	1.4	
	5.8		8617	1.44	1.39	1,30	1,22	1.61	1.52	1.29	1.	
(2)	5.8	APPENDI	2003000	1,47	1.38	1.28	1,22	1.40	1.34	1.31	1.	
E	6.1	#DIV/01	Average Total Minimum	0.93	1,00	0.78		0.37		0.41		
	157.7	0.0	Free Missimum	0,83	0.83	5,10	0.71		0.29		0.:	

Total # Less than 0.5 mg/L

Disinfectant Chioramines? (Y/N)
Number of days of operation?

N 31

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

		H				PWS ID :	KY080		
TU	JRBIDITY I	REPORT	1 <u>2</u> 0			PLANT ID:	A		- ·
529 70	APPLICAL	BLE TO ALL PLA	A STATE OF S	THE RESERVE OF THE PARTY OF THE	Report Period	(MM/YYYY):	January	- 2013	PAGE: 8 OF 11
NS Nam	ne: Hours Plant	to the Temple of	UNTY WATER	RDISTRICT	Annual Section 18				Dally
200	Operated	Samples Required		4 am - 8 am		Noon 14 pm	4 pm - 8 pm 0.06	0.06	0.070
1	24.0	6	0.06	0.07	0.07	0.06		0.05	0.060
2	24.0	6	0.06	0.06	0.05	0.05	0.05	0.06	0.060
3	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.060
4	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.057
5	24.0	6	0.06	0.05	0.06	0.05	0.05	0.05	0.058
6	24.0	6	0.06	0.06	0.05	0.05		0.06	0.056
7	24.0	6	0.05	0.05	0.06	0.05	0.06		0.060
8.0	22.0	6	0.06	-0.06	0.06	0.06	0.06	0.06	0.060
9	14.0	4	0.06	0.06	0.06		0.05	0.06	0.060
10	21.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.050
11	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	
12	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
13	24.0	6	0.05	0.05	0.05	0.07	0.06	0.06	0.065
14	24.0	6	0.06	0.07	0.07	0.06	0.06	0.06	0.070
15	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
16	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
17	24.0	6	0.06	0.06	0.06	0.06	0.06	0,06	0.060
18	24.0	6	0.06	0.06	0.06	0.06	0.09	0.07	0.090
18	24.0	6	0.07	0.07	0.06	0.06	0.07	0.07	0.070
20	24.0	6	0.07	0.07	0.07	0.06	0.07	0.07	0,072
21	24.0	6	0.07	0.09	0.11	0.08	0.08	80.0	0.110
22	24.0	6	0.09	0.12	0.07	0.07	0.08	0.07	0.120
23	24.0	6	0.07	0.07	0,06	0.06	0.06	0.06	0.070
24	24.0	6	0.06	0.07	0.06	0.06	0.06	0.07	0.070
25	24.0	6	0.07	0.07	0.06	0.07	0.07	0.07	0.066
28	24.0	6	0.06	0.07	0.07	0.08	0.07	0.07	0.076
27	24.0	6	0.07	0.08	0.11	0.07	0.07	0.07	0.109
28	24.0	6	0.07	0.07	0.07	0.07	0.08	0.07	0.076
29	24.0	6	0.08	0.09	0.09	0.07	0.07	0.07	0.090
30	24.0	6	0.07	0.07	0.07	0.07	0.07	0.06	0.070
31	24.0	6	0.06	0.06	0.07	0.07	0.06	0.06	0.070
Total	729.0	184			Personal Property of the Party	TAL # OF TURBIDIT	Y SAMPLES TAKEN -	184	0.120
RE YO	U USING EITH of filtration beside	HER CONVENTION	AL or DIRECT FIL	TRATION? (Y/N)	Mana Y Sign				
	or of samples		0.1 NTU	3	0.3 NTU	0	1 NTU	0	· (2
		litration, the numbe			1 NTU		6 NTU		_
NOTE:	The "Number	of Turbidity Samp	les Required" is	the number of ho			rounded		
ip to th	e next whole n	number.							
I certify	that the abo	ove turbidity readi	ngs were taker	every 4 hours	during plant oper	ation and in the	time frames note	ed above.	
3	1 a	/ / / / / / / / / / / / / / / / / / /	leel			3	0000	<i>201</i> 5 ate	

INDIVIDUAL FIL	TER TURBIDITY E				13
PWS Name:	MARTIN	COUNTY WATER D	ISTRICT		18
PWS ID:		00273	c		2
PLANT ID: Report Period (MM/Y	**	A Januar	y- 2013		1
	18				. 185 1. 183
	eeded any one of th				§.
	the Summary Sheet	t), complete the f	ollowing and subf	nit	PAGE 9 OF 1
the appropriate	report(s).	Turbidity Reading	Trigger Level (see		Date and Time
Date	Filter Number	(NTU)	below)	Reason for Exceedance (if known)	State was Contacted
	-				
	3				
				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	8				
	J.				
 B. Any one filter at the end of t C. Any one filter at any time in D. Any one filter at any time in Report Required For Trigger A.: For Trigger B.: 	has a measured turb the first 4 hours of op has a measured turb each of 3 consecutive has a measured turb each of 2 consecutive Filter number, the to obvious reason for the	idity level of greater eration following a l idity level of greater e months. idity level of greater e months. urbidity measurement the exceedance urbidity measurement	than 0.6 NTU In 2 coackwash or return to than 1.0 NTU In 2 coackwash or return to than 2.0 NTU In 2 coackwash, the date of exceeda	consecutive measurements taken 15 mile consecutive measurements taken 15 mile to service. consecutive measurements taken 15 mile conse	nutes apart nutes apart nutes apart xceedance, if no
For Trigger C.:	avacadance			ince and arrange for a Comprehensive Pe	
For Trigger D.:	(CPE) with the Drin	king Water Branch no	later than 30 days fo	ollowing the exceedance	13

APPLICABLE TO ALL SURFACE WATER PLANTS WITH FILTRATION

KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY	TIT) dilidaly 201
•	1	2 2945		APPLICABLE FIELDS!!! NOT ALL O POPULATED FOR YOU!!!	F THE FIELDS ARE PRE
		PL PL	ANT INFO	PRMATION	
		APPLIC	CABLE TO	O ALL PLANTS (gallons)	59,333,000
PLANTID A	1			E. DAILY PRODUCTION (gallons)	1,913,968
PLANT NAME	MARTIN COL	JNTY WTP		XIMUM PUMPAGE (gallons per day)	1,981,000
AGENCY INTER	EST 2987		MAX	XIMUM PUMPAGE (gallons per day)	1,001,000
		INDIVIDUALI	DALL BL	FFLUENT TURBIDITY ANTS WITH FILTRATION	
		APPLICABLE TO	MLLPL	ANTOWITTETICATION	
ANALYTE CODE					
Was each filter m	nonitored continuously? (Y/N)			
Were measurem	ents recorded every 15 m	ninutes? (Y/N)			
Was there a failu	re of the continuous mon	itoring equipment? (Y/N)		
If Yes, (1) w	ere individual filter effluer	nt turbidity grab samp	les collec	ted every four hours of operation? (Y/N)	
(2) w	as the continuously moni	toring equipment rep	aired withi	in 5 working days? (Y/N)	
Was individual fil	ter level greater than 1.0	NTU in two consecu	tive meas	urements? (Y/N)	
Was individual fil	ter level greater than 0.5	NTU in two consecu	tive meas	urements after on line for more than four h	industrati
Was individual fil	iter level greater than 1.0	NTU in two consecu	tive meas	urements in three consecutive months? (
Was individual fil	Iter level greater than 2.0	NTU in two consecu	tive meas	urements in two consecutive months? (Y/	(4)
If any of the last	t 4 boxes are YES, fill o	ut the Individual Fi	lter Turbi	dity Sheet and submit with the MOR	
	ADINED ENTED EEELIN	ENT TURBIDITY	1000	ENTRY POINT RESIDIAL DISINFE	CTANT CONCENTRATION
CON	ADDIVERSAL STREET, STR	CONTRACTOR OF STATE OF STATE OF	A	ENTRE CONTRACTOR OF TO A	I DI ANTO
APPLIC	ABLE TO ALL PLANTS	WITH FILTRATION	and the second	ENTRY POINT RESIDUAL DISINFE APPLICABLE TO A	LL PLANTS
APPLIC	ABLE TO ALL PLANTS	WITH FILTRATION	and the second	APPLICABLE TO A	LL PLANTS
APPLIC ANALYTE CODI	ABLE TO ALL PLANTS E 0100	WITH FILTRATION		ANALYTE CODE 0999	LET CANTO
APPLIC ANALYTE COD! Number of hours	ABLE TO ALL PLANTS E : 0100 s of plant operation	WITH FILTRATION	729.0	ANALYTE CODE 0999 Number of days of plant operation	LE L'EARTS
APPLIC ANALYTE CODE Number of hours Were samples to	E : 0100 s of plant operation aken every 4 hours of pla	WITH FILTRATION	729.0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat	ion? (Y/N)
APPLIC ANALYTE CODI Number of hours Were samples to Number of samp	E : 0100 s of plant operation aken every 4 hours of pla bles taken	WITH FILTRATION	729.0	ANALYTE CODE 0999 Number of days of plant operation	ion? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to	E 0100 s of plant operation aken every 4 hours of pla bles taken urbidity reading	nt operation? (Y/N)	729.0 <u>Y</u> 184	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required:	sion? (Y/N) orded
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e	E 0100 s of plant operation aken every 4 hours of pla bles taken urbidity reading except slow sand filtration	nt operation? (Y/N)	729.0 <u>Y</u> 184	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of	plant operation? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of samp	E : 0100 s of plant operation aken every 4 hours of pla bles taken urbidity reading except slow sand filtration amples exceeded 0.1 NT	nt operation? (Y/N)	729.0 Y 184 0.12	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required:	plant operation? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa Number of sa	E 0100 s of plant operation aken every 4 hours of pla bles taken urbidity reading except slow sand filtration amples exceeded 0.1 NT amples exceeded 0.3 NT	nt operation? (Y/N)	729.0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants excey Number of samples under 0.2 mg/L	plant operation? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa Number of sa Number of sa	BLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation bles taken urbidity reading except slow sand filtration amples exceeded 0.1 NT amples exceeded 1 NTU	nt operation? (Y/N)	729.0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants excep Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine)	plant operation? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa Number of sa Number of sa When filtration is	BLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation bles taken probably reading except slow sand filtration amples exceeded 0.1 NT amples exceeded 1 NTU as slow sand filtration:	nt operation? (Y/N)	729.0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants excey Number of samples under 0.2 mg/L	plant operation? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa	BLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation bles taken urbidity reading except slow sand filtration amples exceeded 0.1 NT amples exceeded 1 NTU	nt operation? (Y/N)	729.0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants excep Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine)	plant operation? (Y/N)
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa	ABLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation allows taken urbidity reading except slow sand filtration amples exceeded 0.1 NT amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 5 NTU	nt operation? (Y/N)	729.0 Y 184 0.12 	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants excey Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlo Number of samples under 0.5 mg/L	plant operation? (Y/N) ot chloromine):
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa	ABLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation allows taken urbidity reading except slow sand filtration amples exceeded 0.1 NT amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 5 NTU	nt operation? (Y/N)	729.0 Y 184 0.12 	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants excey Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlo Number of samples under 0.5 mg/L	plant operation? (Y/N) ot chloromine):
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APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration e Number of sa APPLICABL	ABLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation aken every 4 hours of plant operation operation of plant operation op	nt operation? (Y/N)	729.0 Y 184 0.12 	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants exce) Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine) Number of samples under 0.5 mg/L CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZ ANALYTE CODE 1009 Number of days of plant operation	plant operation? (Y/N) ot chloromine): OTAMONITORING TIMONITORING
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration of Number of samp CHLOR APPLICABL ANALYTE COD Number of days	ABLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation alken every 4 hours of plant operation are provided by the second of t	ont operation? (Y/N)	729.0 Y 184 0.12 3 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants exce) Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine) Number of samples under 0.5 mg/L CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZ ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of opera	plant operation? (Y/N) ot chloromine): OTAMINE DIOXIDE
APPLIC ANALYTE CODE Number of hours Were samples to Number of samp Highest single to For all filtration of Number of samp APPLICABL ANALYTE COD Number of days Were samples to	ABLE TO ALL PLANTS E 0100 s of plant operation aken every 4 hours of plant operation alken every 4 hours of plant operation accept slow sand filtration amples exceeded 0.1 NT amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 5 NTU RINE DIOXIDE ENTRY R E 1008 of plant operation aken each day of operation	ont operation? (Y/N)	729.0 Y 184 0.12 3 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operat Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants exce) Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlo Number of samples under 0.5 mg/L CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZ ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of opera Number of samples taken	plant operation? (Y/N) ot chloromine): OTAMONITORING TING CHLORINE DIOXIDE
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I certify under pensity of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant pensities for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe pensities prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Printcipal Executive Officer or Authorized Agent

02-06-2013

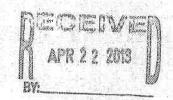
KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

WS ID	KY0800273			MONITORING PERIOD	(MMYYYY) anuary	- 201
1		NOTE: COMPL	ETE ALL	APPLICABLE FIELDS!!! NOT A POPULATED FOR YOU!	ALL OF THE FIELDS	ARE PRE
	PURCHAS	ED.	96, 13	s	OLD//	pele l
ESSENT CONTROL		APPLICAE	SLE TO AL	L WATER SYSTEMS		
FROM W	HOM? (PWS ID)	HOW MUCH? (gallo		TO WHOM? (PWS ID)	HOW MUCH? (ga	lions)
WV330300			0	William - Willia		
KY098057				Y ayo 		
K1090037	-				1900 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	74
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	S. J. L.					
	A PRINCIPAL OF THE SECOND	average may not	SIGN INTERIOR	INFECTANT CONCENTRATION		
		APPLICA	BLE TO A	LL WATER SYSTEMS		
NALVEE OF	ODE 0999	Al I LIO				
NALYTE CO	300	7	31	Free Chlorine (for all disinfectant	s except chloramine)	10 9
iumper of da	ays of operation s taken each day of ope	ration? (Y/N)	Y	Number of samples under 0.2		0
		Tauotte (1714)		Total Chlorine (when disinfectant		
	amples taken:	2	124	Number of samples under 0.5	i mg/L	
FREE .			124		• *************************************	IV -
TOTAL	FDFF -blade - sandles		0.29			
	FREE chlorine reading		0.37			
owest single	e TOTAL chlorine readin	9	0.01			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

12-06-2013



KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT	H & YEAR (mm/yyyy) 02/2013	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID:	KY0800273 PLANTID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	_ PLANT CLASS:_	
GENCY INTEREST (AI):	2987	DATE MAILED:	04-17-2013
SOURCE NAME:	Crum Reservoir	COUNTY:	<u>Martin</u>
	Tug Fork		Taranta Maria
	OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER 17562
WTP SHIFT 1:	Earl T Alloy	1V-A 1V-A	21944
WTP SHIFT 2:	Michael Sartin	1V-A / 111-A	21719 / 16310
WTP SHIFT 3: DISTRIBUTION:	Jerry L Belcher / Justin L Blackburn	1000	
TREATMENT PLANTS	NO LATER THAN 10 DAYS AFT		HE MONTH.
	COMPLETE:		
1. DESIGN CAPACITY (gpm	1.00	37	
DESIGN CAPACITY (gpm TYPE OF FILTRATION US	1,60 ED: Dual-M	ledla	
	1,60 ED: Dual h TE (gpm/sq: ft.): 2.6	ledia 6	
2, TYPE OF FILTRATION US	1,66 ED: Dual:N E (gpm/sq.ft.): 2.6 ATER USED: 0.1	ledla 6 3	
2. TYPE OF FILTRATION US	1,66 ED; Dual-M TE (gpm/sq.11.); 2.6 Ater useD; 0.1	ledla 6 3	
2. TYPE OF FILTRATION US 3. DESIGN FILTRATION RA 4. PERCENT BACKWASH W	#2 - 3/18/10	ledla 6 3	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 04-17-2013 DATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT



APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: PAGE 1 02/2013 OF 11

	RAW	HOURS	COAGU		COAGU		pH ADJU		DISINFE	CTANT	DISINFE	CTANT
16/2	WATER TREATED	PLANT OPERATED					PH		Pr	CHARLES SOUND SANGERS	Pas	Average and the second
AY	GALLONS		LBS	PPM	LBS	PPM	Les	PPM	LBS	PPM	LBS	PPM
	1,960,000	24.0	553,9	33.9	4,2	0,3			330,2	20.2	169.2	10.4
2	1,921,000	24.0	553.9	34,6	4.2	0,3			339,0	21.2	169,2	10.6
,	1,963,000	24.0	553,9	33.8	4.2	0,3			338.9	20.7	169.2	10.3
	1,913,000	24.0	553,9	34.7	4,2	0.3			332.4	20.8	169.2	10.6
	1,957,000	24.0	503.2	30.8	4.2	0.3			327,2	20.0	169.2	10.4
	1,945,000	24.0	474.8	29:3	4.2	0.3			339:0	20.9	169.2	10.4
	1,989,000	24,0	474.8	28.6	4.2	0.3			336.8	20.3	164.7	9.9
8	1,943,000	24.0	474.8	29.3	4.2	0.3			328.0	20.2	165,8	10.2
	1,969,000	24.0	474.8	28.9	4.2	0.3			339.1	20.6	169.2	10,3
0	1,980,000	24.0	474.8	28.8	4.2	0,3			339,1	20.5	169.2	10,2
1	1,895,000	24.0	474.8	30.0	4.2	0,3			331.2	21.0	164,7	10,4
2	1,950,000	24.0	425.4	26.2	4.2	0.3			339.0	20.8	159.8	9.8
13	1,980,000	24.0	395,7	24.0	4.2	0,3			327.2	19,8	159.8	9.7
4	1,962,000	24,0	395.7	24.2	4.2	0.3		8 14 518	349,1	21,3	163.4	10.0
	1,961,000	24.0	395.7	24.2	4.2	0,3			334.1	20,4	159,8	9,8
6	1,980,000	24.0	395.7	24.0	4.2	0.3			341.5	20.7	159.8	9.7
7	1,894,000	24.0	395.7	25.1	4,2	0.3			328.9	20.8	159,8	10.1
8	1,966,000	24.0	395.7	24.1	4.2	0.3			346.8	21,2	159.8	9,7
9	1,930,000	24.0	395.7	24.6	4.2	0.3			334.9	20.8	159.6	9.9
0	1,284,000	15.5	255.8	23.9	2.7	0.3			213.1	19.9	103.2	9.6
1	1,950,000	24.0	395,7	24.3	4.2	0.3			341,6	21.0	159.8	9.8
2	1.982.000	24.0	395.7	23.9	4.2	0.3			339.1	20.5	152.5	9.2
7.3	1,975,000	24.0	395.7	24.0	4,2	0.3			341.3	20.7	154.2	9,4
	1,919,000	24.0	395.7	24.7	4.2	0.3			330.8	20.7	154.5	9.7
4	1,977,000	24.0	395,7	24.0	4.2	0,3			341.3	20.7	159.8	9.7
6	1,928,000	24.0	395.7	24,6	4.2	0.3			323.6	20.1	166.3	10.
	1,971,000	24.0	395.7	24.1	4.2	0.3			323.6	19.7	183.2	11.
27			395.7	24.3	4.2	0.3			323.6	19.9	183,2	11.
19 19	1,954,000	24,0	590.1	24.0	1.6	V.V.						
10)1											45.6.7	
DTAL	63,998,000	100000	12184.4	27.0	116.1 4.1	0,3	#DIV/01	#DIV/01	9260.1 330.7	20.6	4546.7 162.4	10.
ERAGE MAX	1,928,500		435.2	1. 41.0	1 9.1	1	1 KNINA	1,7,7,7,127				

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CONTRACTOR OF STREET	SECTABLE PROPERTY.	THE CONTRACT OF THE PARTY OF TH
APPLICABLE	iciate bea	INC. I D. Section S. Section S.
CONTRACTOR CONTRACTOR	SOURCES THE TRACKING	TOTAL PROPERTY.

PWS ID : KY0800273
PLANT (D: A

REPORT MONTH/YEAR: 02/2013

PAGE 2 OF 11

	DISINFECT	(ANT	FLUOR	ide:	CARBO	000000000000000000000000000000000000000	OBCOA BUANN	0.0000000000000000000000000000000000000	KMns	04	CORRO	20000000		
111							Pos							-
Y	LBS	PPM	LHS	PPM	LB5	PPM	Lns	РРМ	LBS	PPM	LBS	PPM	LB5	РРМ
	499.4	30.6	60.9	3.7										
	508.1	31.7	60.9	3.8										
	508.1	31,0	60.9	3.7					-					· //·····
231129	501.6	31.4	60.9	3,8										
	496.4	30:4	60.9	3,7										TIES VE
	508.2	31,3	60,9	3.8										
	501.6	30,2	60.9	3.7									+	
	493,3	30.4	60.9	3.8				1						
	508,2	30.9	60.9	3.7									1000	
a	508.2	30.8	60,9	3,7										-7
1	495.0	31.4	60.9	3.9					<u> </u>		o de la company			
2	498,8	30.7	60.9	3.7										
١.	487.0	29.5	60.9	3,7				2	0.000 0.000		and the			-
4	612.8	31.3	60.9	3,7								# C #		
	493,9	30,2	60.9	3.7										
10	501.3	30.4	60.9	3.7										
17	488.6	30.9	60.9	3,9					997					
M.	506,6	30.9	60.9	3.7						1 N				
19	494.7	30.7	60.9	3,8						10 NO				1001
20	316.3	29.5	39,3	3.7										***************************************
1	501.4	30.8	60.9	3,7										
212	491.6	29.7	60.9	3,7										
23	495,6	30.1	60,9	3.7										
24	485.1	30,3	60.9	3.8										
26	501.1	30.4	60.9	3.7	111									
26	489.9	30.5	60.9	3.8										-
27	506.8	30.8	60.9	3,7										ny
20	506.8	31.1	60.9	3.7	-									0 32 2011 1: 42
20				2 13 24										
30														
OTAL	13,806.8		1,683.6		0.0		0.0		0.0		0.0		0.0	
VERAG		30.6	60.1	3,7	#DIV/01	#DIV/0!	#010/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/

OPTIONAL INFORMATION—Surface Water Plants Only

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PWS ID: KY0800273

2987

PLANT ID: AGENCY INTEREST: REPORT MONTH/YEAR:

02/2013

PAGE 4 OF

DAY	RAW DAILY MAXIMUM	#1	SEDIME	NTATION E	IASIN EFFLU XXIMUM #4		LYTICAL RI	#1	000000000000000000000000000000000000000	AUDIVIDUAL	, FILTER EF LY MAXIMU #4		#6	#7 1	GFE DAILY MAXIMUM
1	47.90		0.25	0.24						0.04	0,05	0.05	0.05		0.06
	47.80		0.26	0.24						0.07	0.08	0,06	0.05		0.07
3	47.60		0.23	0.22						0.05	0,06	0.09	0.05		0.07
	46.10		0.23	0.21						0.05	0.05	0.07	0.06		0.07
6	43.70		0.25	0.26						0.05	0.05	0.07	0.05		0.07
6	33.20		0.25	0.24						0.05	0.06	80.0	0.05		0.07
,	36,60		0,25	0.25						0.05	0.06	0.07	0.05		0.07
8	36,10		0.26	0.24	-					0.08	0.05	0.12	0.06		0.07
9	35.60		0.25	0.20						0,05	0.05	0.09	0.05		0.06
10	34.70		0.22	0,21						0.04	0.05	0.07	0.05		0.06
19	31,60		0.22	0.22						0.05	0.06	0.08	0.05		0.07
12	30.20		0.40	0.41						0.05	0.06	0.07	0.08		0.07
13.	22.90		0.35	0.25						0.05	0.06	0.06	0.05		0.07
14	21.90		0.29	0.25						0.05	0.07	0.05	0.05		0.07
18	20.80		0.32	0,37						0.05	0.06	0.05	0.05		0.06
16	21,40		0.26	0.29						0.05	0.06	0.05	0.05		0.06
17	21,10		0.26	0.23						0.04	0.05	0.08	0.07		0.07
18	20.90		0.23	0.25						0,04	0.05	0.07	0.05		0.06
19	21.10		0.36	0.38			10.00			0.08	0.09	0.05	0.05		0.08
2D	16.80		0.35	0.29						0.04	0.06	0.05	0.05		0.06
21	16.50		0.37	0.51						0.05	0.06	0.07	0.07		0.07
22			0,40	0.64						0.05	0,06	0.11	0.06		0.08
23	16.70		0,32	0.39						0.05	0,06	0.15	0.05		0.10
24	16.50		0,33	0.34						0.05	0.07	0,14	0.05		0.09
- 25			0.32	0.27						0.05	0.06	0,10	0.05		0.0
26	15.90		0.45	0.26						0.05	0.06	0.12	0,07		0.0
27			0.28	0.23						0.04	0.05	0.06	0,05		0.0
28			0.27	0.20						0.05	0.06	0.06	0.05		0.0
29															
30		7, 2, 1		5											
31				100000									1 H		
VERA	GE 27.3	#DIV/01	0.3	0	#DIV/01	#DIV/01	#DIV/01	#DIV/0!	#DIV/01	0.05	0.08	0.08	0.05	#DIV/01	0.0

TAPPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273 PLANTID: 02/2013 REPORT MONTH/YEAR:

QF

PAGE

11

PILTER OPERATION No: TOTAL Not 4 No: 5 No: No AREA (square feet) WASHWATER AREA (square feet) 160 FILT RUN AREA (square feet)
WASHWATER 100 AREA (squire feet) WASHWATER WASH WATER AREA (square feet) WASHWATER 160 FRITRUN FILT RUN WASHWATER FILT RUN FILT RUN GALLONS GALLONS HRS HR8 GALLONS GALLONS GALLONS HRS GALLONS HRS DAY HRS 0 100.90 17,000 100,90 17,000 34,000 0 19,000 98.60 19,000 98.60 38,000 0 14,000 96,90 96.90 28,000 14,000 0 95.00 19,000 95.00 19,000 38,000 8 0 9 0 10 15,000 15,000 111.40 111.40 30,000 11 16,000 94.90 16,000 94,90 32,000 120 0 13 16,000 79,20 79,20 33,000 17,000 0 15 0 16 17,000 111,40 17,000 111,40 117 34,000 18 17,000 116.50 17,000 116.50 34,000 19 20 0 94.50 17,000 94.50 17,000 34,000 0 22 0 23 15,000 105.50 105.50 15,000 30,000 24. 0 25 111.80 111.80 18,000 18,000 36,000 26 0 27 15,000 98.90 98,90 31,000 16,000 28 0 29 0 30 0 31 0 0.00 606.20 106,000 606.20 709.30 106,000 709.30 109,000 432,000 111,000 TOTAL #DIV/01 101.033 #DIV/01 17,667 15,571 101.329 17,667 101.033 101.329 15,857 13,935

COPY AS NEEDED

AVERAGE

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR:

02/2013

*Please answer Y/N question below this chart.

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	FLUO	RIDE	jiri T		AND ASSESSMENT OF THE PARTY OF	GANESE	SSOTHERWS		Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzes	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/G°
18	0.00	0.88	0,40	0.03	0,17	0.01		2-5	1,80	0.1	7.1
2	0.00	0.91	0.43	0.03	0.17	0.01			1.85	0.0	7.0
3	0.01	0.96	0.41	0.03	0.17	0.01		Silve III	1.95	0.2	7.0
4	0.00	0.92	0.42	0.03	0.16	0.01		1-170	1.80	0.0	6.8
5	0.01	0.93	0,40	0.03	0,16	0.01		Jugania.	1.75	0.0	6.9
6	0.00	0.87	0.31	0.03	0.12	0.01			2.00	0.0	7.1
7	0.00	0.86	0.34	0.03	0.13	0.01			2.00	0.0	6,7
8	0.00	0.88	0.33	0.03	0,13	0.01			1.95	0.0	6.8
9	0.01	0.88	0.31	0.03	0.14	0.01			1.90	0.1	6.9
10	0.00	0.88	0:33	0.03	0,13	0.01		1.5	2.05	0.0	6,9
11	0.01	0.89	0,29	0.03	0,13	0.01			2.00	0,2	6.8
12	0.00	0.88	0.28	0.03	0,12	0.01			1.95	0.0	7.1
13	0.00	0.91	0.25	0.03	0,08	0,01			1.95	0.0	6.5
14	0.00	0.82	0.22	0.03	0.12	0.01			1.90	0.1	6.6
15	0.00	0.85	0.21	0.03	0.08	0.01			2.00	0.0	6.6
16	0.00	0.89	0.22	0.03	0.08	0.01			2,00	0.1	6.7
17	0.00	0.87	0.23	0.03	0.08	0.01			1.95	0.0	6.6
18	0.01	0.93	0.21	0.03	0.08	0.01			2.00	0.0	6.7
19	0.00	0.89	0.23	0.03	0,08	0.01			1.90	0.1	6.9
20	0.02	0.85	0.20	0.03	0.06	0.01			1.75	0.0	6.3
21	0.09	0.83	0.21	0.03	0.06	0.01			1,95	0.0	6,4
22	0.11	0.89	0.22	0.03	0.07	0.01			2.00	0,3	6.5
23	0.12	0.87	0,21	0.03	0.07	0.01			1.88	0.0	6.7
24	0.13	0.88	0.20	0.03	0.07	0.01			1.90	0.0	6.9
25 *	0.11	0.89	0.18	0.03	0.07	0.01			2.00	0,0	6.8
	0.10	0.85	0.19	0.03	0.06	0.01			1.95	0,0	6,9
26 (*) 27	0.05	0.84	0.21	0.03	0.06	0.01			1,95	0.3	6,7
28	0.02	0.84	0.18	0.03	0.06	0.01			1.90	0,1	7.0
29	JUL										
30 31									7,000	Lotal	
VERAGE	0,03	0.88	0.27	0.03	0.10	0.01	#DIV/0!	#DIV/01	Monthly Minimum	Rainfall	
							For Free Ch than 0	of readings lorine, # less ,2 mg/L	1.75 28	1,5	2

For Chioramines, # jess than 0.5 mg/L

N.

ALL WATER SYSTEMS

PWS ID : PLANT ID: 02/2013

REPORT MONTH/YEAR:

PAGE 7 QF 1/1

		MOALS ADDED				TOTAL	TEST R	ESULTS CHLORINE RESIDUA	t form)	, 412-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
	CHLORINE BOOSTER	CHLORINE BOOSTER	-	NO		301	lin .	EA!	iT.	WB	C. C
(Y	LBS	Les		Т.,	P.		F	Ţ	P	7	P
-	5.8		-	1,84	1.58	1,26	1.21	1,62	1.46	1.08	0.96
	5.8	***	- 1991	1.53	1,49	1,67	1,63	0.72	0.64	1,24	1.20
	0,0			1.55	1.48	1.43	1.38	0.68	0.52	0.64	0.60
M	5,8		0.00000	1.64	1.50	1.24	1.18	1.67	1.61	1,04	0.99
	.5.8			1.33	1,30	1,10	1,07	0,66	0.58	1,32	1,28
	5.8			1,19	1,14	0,85	0.79	1.34	1,29	1,67	1.68
	5,8			1.61	1,66	0.98	0,91	1.48	1.45	1,44	1,97
-	5,8			0,99	0.88	1,30	1,26	1.76	1.67	1.16	1,09
///	6.8			1.58	1,61	1.41	1,84	1,18	1,15	1.76	1,71
0	5.8			1,62	1.51	1,80	1.72	1.69	1,48	1.81	1.74
1	0:0			1.54	1,49	0.91	0,82	1,60	1.66	0.92	0.88
2.84	5.8			1.41	1.38	0.31	0,28	1.45	1,42	0.93	0.91
18	0.0			1,91	1.26	1.28	1,20	1.18	1.13	1.39	1.38
14	5.8			1.03	0.98	1,37	1.35	1.14	1.12	1.41	1.40
b	5.8			1.94	1.26	1.40	1.23	1.59	1,53	1,24	1.18
16	5.8		+	1.64	1,60	1,44	1.38	1,51	1.43	1.59	1.57
17	5.8		_	1,70	1.65	1,38	1,35	1.68	1.62	1.78	1.7
16	5.8		4	1.87	1,51	1.38	1.32	1,63	1.62	1.13	1.07
10	5.8			0.95	0.82	1.38	1.31	1.31	1.26	1,48	1.43
20	0,0			1.69	1,65	1.33	1,32	1.76	1,72	1.22	1,18
21	0.0		- 9	1,34	1.31	1.18	1,17	1.36	1,33	1.40	1.3
22	0.0			1.52	1,42	1.28	1,20	1,43	1,40	1.12	1,00
23	0.0			1.61	1.53	1,67	1.64	1.70	1.62	1,46	1,3
24	5.8			1.58	1,47	1.58	1,54	1,61-	1,59	1,62	1,5
25	5.8		Sinc's l	1,06	0.76	1.08	1.02	1.71	1.63	1.10	1.0
26	0.0		4	1,42	1.37	1,12	0.99	1.31	1,25	0.98	0,8
27	5.8			1.57	1,55	0.42	0.37	1,58	1,65	1.46	1.4
20	5.8			1.39	1.33	1.10	1.05	1,64	1.51	1.22	1,1
79											
30					1						
S)	4.2	#DIV/01	Ayeringe	1.44	1.37	1.24	1,18	1.41	1,36	1.31	1,2
TAL	116.8	0.0	Total Minimum From Minimum	0.95		0.31	0.28	0,58	0.52	0,64	0.6

0,28

0.31

Less than 0.2 mg/L/0.5 mg/L

Wildinam Monthly Free Residuals 112 (Feddual Minimum Monthly Total Marchine) Number of Free Residuals 112 Number of Total Residuals 0 Total # Less than 0.2 mg/L

Total # Less then 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation?

						PWS ID:	KY080		
71	JRBIDITY R			Latin Indiana.	1	PLANTID:	J		
		LE TO ALL PL			Report Period	(MM/YYYY):	02/2	013	PAGE: 8 OF 11
NS Nar		Martin s of Turbidity	County Water		International Association	V CONTRACTOR OF			Dally Maximum
A1		Samples Required!	Mid - 4 am	The second state of the se	8 mm (Noon		4 pm + 8 pm	8 pm - Mid	
n .	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
2	24.0	6	0.06	0.06	0.06	0.06	0.07	0.07 0.06	0.072
3	24.0	6	0,07	0,06	0.06	0.06	0.06	0.00	0.067
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
	24,0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
	24.0	6	0,06	0.06	0.07	0.07	0.07	0.07	0.067
7. 8.	24.0	- 6	0,07	0.07	0.07	0.07		0.07	0.067
	24.0	6	0.07	0.07	0.07	0.07	0.07	The second section is a second	0.062
9	24.0	6	0.06	0.06	0.06	0.06	0.06	0,06	A 16000 March 11 10 10 10 10 10 10 10 10 10 10 10 10
0	24.0	6	0.06	0.06	0.06	0.06	0.06	0,06	0.060
4	24.0	6	0.06	0.06	0.06	0.07	0.06	0.06	0.066
2	24.0	6	0.06	-0.06	0.06	0.07	0.07	0.07	0.070
3	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.070
14	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
6	24.0	6	0.06	0,06	0.06	0.06	0.06	0.06	0.060
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
7	24.0	6	0.06	0.06	0.06	0.07	0.06	0.06	0.069
8	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
	24.0	6	0.06	0.06	0.06	0.06	0.08	0.06	0.080
0	15.5	4	0.06	0.06	0.06		0.06	0,06	0.060
	24.0	6	0.06	0.06	0.06	0.08	0.06	0.07	0.070
	24.0	6	0.07	0.06	0.07	0.06	0.07	0.08	0.080
	24.0	6	0.08	0.08	0.07	0.10	0.09	0.09	0.097
	24.0	.6	0.09	0.09	0.08	0.08	0.08	0.08	0,088
5	24.0	6	0.08	0.08	0.08	0.07	0.07	0.07	0.081
6	24.0	6	0.07	0.07	0.09	0.08	0.07	0.06	0.090
78	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
8	24.0	6	0,06	0,06	0,06	0.06	0,06	0.06	0.060
9	0.0	0				and the second			0.000
1000	0.0	0							0.000
50 1	0.0	·····o		1071					0.000
3130	663.5	166	Carlo Service		T	OTAL # OF TURBIDIT	y samples taken	- 167	0.097
otal RE YO	OU USING EITHE	R CONVENTION	J AL or DIRECT FI	LTRATION? (Y/N	Y				
ny typo	of filtration bosides	slow sand)			0.3 NT	u 0	1 NTU	. 0	
	or of samples ex			u 0				VERNIE DE CO	
F	or slow sand filt	tration, the numb	er of samples ex	ceeding>	1 NT	A CONTRACTOR OF THE PARTY OF TH	5 NT		-
NOTE:	The "Number of	of Turbidity Samp	oles Required" is	the number of ho	urs the plant oper	rated divided by 4 r	ounded		
	ie next whole nu							and about	
certif	y that the abov	e turbidity read	ings were taker	every 4 hours	during plant ope	eration and in the	time trames no	ed above.	
- 1	1 211	ipal Executive Offi	lul				07-110	2013 Date	

APPLICABLE TO ALL PLANTS.

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

02/2013

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		pH		TO	AL.	TO HARD	Al.	TOP	CHLORINE	PEPECIFIED RESIDUAL PLA			TURBIDITY (N	TU)
YAC	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	FILT		TOTAL		RAW	SETTLED WATER	PLANT TAP
1	7.42	7.32	7.23	38	33	86	83	0.70	0,62	1.83	1,76	47.90	0.22	0.06
	7.39	7.31	7.19	30	28	66	66	0.72	0.62	1.94	1.87	47.80	0.22	0.07
•	7.38	7.26	7.12	31	30	69	68	0.69	0.61	1,96	1.91	47.60	0,20	0.07
9 77 6	7.35	7.22	7.10	32	31	68	67	0.66	0.56	1.95	1.87	45,10	0.20	0.07
5	7.31	7.22	7,15	33	31	69	67	0.70	0.63	1.77	1.71	43.70	0.22	0.07
g .	7.43	7.26	7.18	20	19	88	85	0.78	0.71	1,89	1.83	33.20	0.21	0.06
9	7,35	7.25	7.17	25	24	67	64	0.81	0.75	1.89	1.83	36,60	0.22	0.07
8	7.36	7.16	7.05	24	29	68	65	0.78	0.70	1,91	1.86	36,10	0.21	0,07
	7.31	7.17	7.05	23	22	69	68	0.74	0.67	1,96	1,88	35.60	0.19	0.07
9	7.30	7.06	6.93	24	23	69	68	0.78	0.71	1,99	1.93	34,70	0.19	0.07
10	7.29	6.97	6.94	25	24	67	66	0,77	0,69	1.91	1.85	31,60	0.19	0.07
-11	7.25	7.13	7.14	27	25	69	66	0,73	0.67	1.91	1.85	30.20	0.26	0,07
15	7.66	7.28	7.26	21	19	87	86	0,80	0.71	1.79	1.74	22.90	0.25	0.06
14	7.54	7.25	7.24	20	19	66	64	0.80	0.72	1.84	1.78	21.90	0.25	0.06
	7,49	7.27	7.23	20	18	107	102	0.83	0.74	1.81	1.75	20.80	0.29	0.06
16 16-	7.42	7.09	6.95	21	18	105	103	0.82	0.74	1.85	1.79	21.40	0.25	0.06
	7.41	7,20	7.04	22	21	106	104	0.80	0.73	1.91	1.84	21,10	0.22	0.07
47 118	7.40	7.30	7.15	23	21	107	106	0.81	0,74	1.90	1.83	20.90	0,21	0.07
19	7,41	7,22	7.13	25	24	109	108	0.81	0.73	1,83	1.77	21.10	0.28	0,07
20 ***	7.55	7.25	7.19	20	19	72	69	0.74	0.65	1.77	1.72	16.80	0.32	0,13
21	7.49	7.27	7.23	20	19	100	94	0.83	0.75	1.83	1.78	16.50	0.30	0.07
22	7,55	7.01	6.99	21	19	91	89	0.87	0.79	1,76	1.69	16.40	0,41	0.07
28	7.51	7.25	7.10	22	21	92	90	0.79	0.72	1.77	1.69	16.70	0.30	0.08
24	7.50	7.17	6,99	23	21	93	91	0.76	0.69	1.74	1.67	16.60	0,29	0.09
25	7.38	7.26	7.12	21	20	94	93	0.73	0,66	1.83	1,77	16.30	0.27	0,08
30		7,23	7.16	20	21	93	92	0.75	0.67	1.82	1,76	15.90	0.27	0.08
26 27	7.50	7.22	7.16	23	20	86	85	0.70	0.62	1.81	1.75	14.80	0.22	0.06
28	7,47	7.23	7.18	24	22	77	76	0.66	0.58	1,84	1,78	14.30	0.21	0.06
26	3419													Su
36 31:3	e 7.4	7.2	7.1	24	23	84	82	0.76	0.69	1.86	1,80	27.30	0.25	0.07

	TER TURBIDITY E			ANTS WITH FICTRATION					
PWS Name:		artin County Water Dis							
PWS ID:		00273							
PLANT ID:		Α	02/2013						
Report Period (MM/Y	YYY);	. 02/2	013						
	he Summary Shee		turbidity triggers b bliowing and subm		PAGE 9 OF 1				
	100	Turnidity Reading	Triggas Leval (see	Russon for Exceedance (If known)	Date and Time State was Contacted				
Date	Filter Number	(ити)	(attacks balow)	Standard for excessibles developing					
			····		0.000				
					-				
		<u> </u>							
					2000 NOVE 1000 N				
	<u> </u>								
		A Company							
B. Any one filter at the end of tC. Any one filter at any time inD. Any one filter	has a measured turk he first 4 hours of op has a measured turk each of 3 consecutiv has a measured turk each of 2 consecutiv Filter number, the toolvlous reason for Filter number, the toolvlous reason for	oldity level of greater peration following a boldity level of greater to months. Soldity level of greater to months. Substitute of greater to months. Substitute of greater to months. Substitute of greater to months.	than 0.5 NTU in 2 co packwash or return to than 1.0 NTU in 2 co than 2.0 NTU in 2 co	nsecutive measurements taken 15 minusecutive measurements taken 15 minus service, insecutive measurements taken 15 minusecutive measurements taken 15 minuse	utes apart utes apart utes apart seedance, if no				
For Trigger C.:	obvious reason for Filter number, the t	the exceedance urbidity measurement,	the date of exceedan	ce and a filter self-assessment within 14 d	ays of the				
For Trigger D.:	Filter number, the t	urbidity measurement, king Water Branch no MAKE COPIES	later than 30 days foll	ce and arrange for a Comprehensive Perfo owing the exceedance	ormance Evaluation				

MENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (M	MYYYY) 02/2013	
300		NOTE: COMPLET	E ALL A	APPLICABLE FIELDS!!! NOT ALL POPULATED FOR YOU!!!	OF THE FIELDS ARE	PRE-
				RMATION		
PLANTID A	Tagain and a second		TOT	ALL PLANTS AL WATER TREATED (gallons)	53,998,000	
PLANT NAME AGENCY INTER	Martin County W	/ater District		DAILY PRODUCTION (gallons) IMUM PUMPAGE (gallons per day)	1,928,500 1,989,000	
7				PLUENTSTURBIDITY		
ANALYTE OON	3 0400	APPLICABLE TO	ALL PLA	INTS WITH FILTRATION		
ANALYTE CODE	0100 nonitored continuously? (Y	(/N)				Ι¥
	ents recorded every 15 m		······································		***************************************	. Y
Was there a failu	ire of the continuous monit	toring equipment? (Y/				. N
				ed every four hours of operation? (Y/N	()	.
	as the continuously monito Iter level greater than 1.0 N					
vas individual fi Vas individual fi	iter level greater than 0.5 h	NTU in two consecutiv	re measu	rements after on line for more than for	ur hours? (Y/N)	K
Was individual fi	Iter level greater than 1.0 f	NTU in two consecutiv	re measu	rements in three consecutive months'	? (Y/N)	, (K
				rements in two consecutive months?		. 1
is any of the lac	t 4 boxes are YES, fill ou	rt the Individual Filte	ır Turbid	lity Sheet and submit with the MOR		
a con	ABINED FILTER EFFLUE	NT TURBIDITY	all ayes	ENTRY POINT RESIDUAL DISINI	FECTANT CONCENTRAT	ION
APPLIC	MBINED FILTER EFFIUE ABLE TO ALL PLANTS I	NT TURBIDITY	60000	ENTRY POINT RESIDUAL DISINI APPLICABLE TO	FECTANT CONCENTRAT	ION
APPLIC	MBINED FILTER EFFLUE ABLE TO ALL PLANTS I E 0100	NT TURBIDITY		ENTRY POINT RESIDUAL DISINI APPLICABLE TO ANALYTE CODE 0999	FECTANT CONCENTRAT	
APPLIC APPLIC ANALYTE COD Number of hours	MBINED FILTER EFFLUE (ABLE TO ALL PLANTS) E 0100 s of plant operation	NT TURBIDITY WITH FILTRATION	663.5	ANALYTE CODE 0999 Number of days of plant operation	ECTANT CONCENTRAT ALL PLANTS	28
APPLIC ANALYTE CODI Number of hours Were samples to	MBINED FILTER EFFLUE (ABLE TO ALL PLANTS) E 0100 (S of plant operation (aken every 4 hours of plant	NT TURBIDITY WITH FILTRATION	663.5	ENTRY POINT RESIDUAL DISINI APPLICABLE TO ANALYTE CODE 0999	ALL PLANTS ration? (Y/N)	28 Y 28
APPLIC ANALYTE CODI Number of hours Were samples to Number of samp Highest single to	MBINED FILTER EFFLUE ABLE TO ALL PLANTS) E 0100 s of plant operation aken every 4 hours of plan bles taken urbidity reading	NT TURBIDITY WITH FILTRATION	663.5 Y 167 0.10	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of ope Number of lowest chlorine samples re Lowest single chlorine reading	ALL PLANTS ration? (Y/N)	28 Y
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APPLIC ANALYTE CODI Number of hours Were samples to Number of samp Highest single to For all filtration of Number of samp	E 0100 s of plant operation aken every 4 hours of plan bles taken problety reading except slow sand filtration; amples exceeded 0.1 NTU amples exceeded 0.3 NTU	NETURBIDITY WITH FILTRATION t operation? (Y/N)	663.5 Y 167 0.10	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of ope Number of lowest chlorine samples re Lowest single chlorine reading If less than required: Was residual restored within 4 hours Free Chlorine (for all disinfectants excepts)	ration? (Y/N) ocorded of plant operation? (Y/N) pept chloromine):	21 21 1.77
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I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am sware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violation to prison.

Signature of Principal Executive Officer or Authorized Agent

04-17-20/3 Date

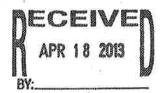
MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY080027	PATRICT TO THE RESERVE OF THE PARTY OF THE P	MONITORING PERIOD	
AI 2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT A POPULATED FOR YOU!!!	
TO A STORY BURG	HASED	majorishing 24 Control So	
	APPLICABLE TO AL		
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0		
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	The second of the second		
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	in the second	TO THE COLUMN	
		Luzz i	
		-	
19,2	DISTRIBUTION RESIDUAL DIS	INFECTANT CONCENTRATION	
NALYTE CODE 0999	ALT LIGADED (V AL		
Number of days of operation	28	Free Chlorine (for all disinfectants	except chloramine)
Vere samples taken each day of		Number of samples under 0.2 n	
Number of samples taken:		Total Chlorine (when disinfectant is	
FREE	112	Number of samples under 0.5 n	ng/L
TOTAL	112		
Lowest single FREE chlorine read			
Lowest single TOTAL chlorine rea	ading 0.31	50 (40) 20(12) 161	

Lortify under penalty of law that I have personally examined end am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

04-17-2013



KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

MONTHLY OPERATION REPORT (MOR)-ALL WATER SYSTEMS

MONT	H & YEAR (mm/yyyy) [03/2013	Indicate one X	GROUNDWATER PURCHASE/DISTRIBUTE ONLY	
PWS ID :	KY0800273 Martin County W	PLANT ID: A	PLANT NAME: PLANT CLASS: 3	Martin County Water Dist	rict
GENCY INTEREST (AI):	2987	10.14	DATE MAILED:	<u>4-9-2013</u> Martin	
SOURCE NAME:	Tug For	rk	CLASS	CERTIFICATION NUMBER	
WTP SHIFT 1:	OPERATOR(\$) RESPONS Earl T Alley		1V-A	17562	Â
WTP SHIFT 2: WTP SHIFT 3:	Jorry L Bolchor / Jus		1V-A 1V-A / 111-A	21944	
DISTRIBUTION: THI\$ REF		ED BY THE DIVISION		APPLICABLE FIELD OFFICE MONTH,	1. 1.0.1
TREATMENT PLANTS		1,66	7		
2 Type of Filtration US		Dust M	edis		
3. DEBIGN FILTRATION RAT		2.66	8	. •	
4. PERCENT BACKWASH W		0.8	1.15		
5. DATE PLOCOULATION RE		#2 - 3/18/10	#3 - 9/2/ 09		
O. DATE SETTLING DASIN(S) LAST CLEANED:				Ti e
			·		

I certify under penalty of low that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

4-9-2013

DATE

KENTUOKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREALMENT PLANT MONTHLY OPERATING REPORT

										PWS ID PLANT ID:	Λ	0271
2.00	APP	LICABLE TO	LE PLANTS	20.48 文					REPORT MO		03/2	013
-	Naralia and Especialis					No. of Particular	CAL NAME	-	PACE	1	OF	11
- 1000	RAW WATER	HOURS PLANT	UDAGO	LANT	COACI		פוו אטעעא		DIBINFF		DISHNEC	OTAN'I
	TREATER	OPERATED					Yr.		Pr		Po	
AY	GVELONA		(Put	PPM	LD3	PPM	LDS	PPM	Tip)	PPM	LBS	PPM
1,220	1,967,000	24.0	395 7	24.1	1,2	0.3			323 6	19.7	183 2	11.2
	1,930,000	24 ()	395 7	24 5	4.2	0.3			320_2	198	103,2	113
3	1,972,000	24 0	395 7	24,1	4.2	03			328 0	19.9	183 2	11.1
, The	1,983,000	24.0	395 7	23 9	4.2	0.3	4.		341.3	20,0	183 g	111
1797 50 3	1,972,000	24 0	395 7	74.1	4,2	03		94	323 6	19.7	183 2	1111
8	1,997,000	24 0	396,7	23 8	42	03	31900		323,6	10 4	169.2	10.2
,	1,982,000	23.0	370 2	22.8	40	0 2			323 6	19.5	. 169 2	10.2
9	1,909,000	24 0	395,7	23 9	12	0.3			341,3	20 6	109 2	107
9	1,087,000	23.0	370 2	241	40	0.3			327 8	20 8	162.2	10.3
(05	1,991,000	24 0	395 7	23.6	4.2	03			3413	20 ଶ	169 2	10.2
A 300	1,572,000	21 0	344.4	26 3	37	0.3			287 A	21.6	148 1	11.3
2	1.966,000	21,0	395 7	24.1	42	0.3			323 8	19 /	169 6	10.3
I Jan	1,672,000	20.0	320 8	23,7	3.5	0.3			279.5	20 0	141 0	10.1
TANK!	1,960,000	24.0	395.7	24_2	4.2	0.3		1010 1010	341.3	20.9	109.2	10 4
18	1,948,000	24 0	395 7	24.4	47	0.3			341 3	21 0	1697	10.4
18	1,993.000	24 0	396 7	23.8	4.2	0.3			3413	20 6	169,2	102
17	1 808,000	21 0	346.3	23.0	3 7	0.2			300 B	20 n	143.6	0.5
10	1,713,000	20.0	329.8	23 1	3.5	0.2	100		784 1	20 6	136 5	9.5
0	1,992,000	24 0	395.7	23 B	42	03			3413	20 6	163.9	9 9
20	1,929,000	23.0	370 2	23 6	40	0.2	1		332,4	20 7	1610	100
21	1,994.000	24 0	395 7	23 8	4.2	0.3			302 0	18 2	169 8	9.0
22	1 937,000	24,0	395,7	24.5	4.2	0.3			_3116_	19.3	164.3	10.2
23	2,000,000	24 0	396 7	23 /	4,2	03			339.1	20.3	169 Z	10.1
24	1,927,000	24.0	395.7	24 8	42	0.3			326 7	20.3	169_2	10.5
25	1,705,000	21 0	344 4	24.2	3 7	0.3	<u></u>		8,00F	21 2	160 2	11.9
26	1,035,000	23.0	379 2	23.5	10	0.2			310	19,2	169 2	10.5
27	1,954,000	24 0	395 7	24 3	4.7	0.3			331,2	20 3	169 2	10 1
26-	1,936,000	24.0	395.7	24.5	4.2	0.3			376 2	20 2	160.2	10.5
26	1.963,000	24 0	343.0	20.9	42	03			309.7	189	189.2	10 3
00.5	1,938,000	28.0	303.4	18 8	40	0.2			201 8	18.1	. 162 2	10_0
	1,833,000	22 0	277 O	18.1	3.0	0.3			251 2	16 4	156.1	10 1
OTAL	59,381,000		11053 1		125.9	0.00	טט		9877 9	N	5151 8 166.2	10,4

2,000.000

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATING REPORT

APPLICABLE TO ALL P	LANTS
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REPORT MONTH/YEAR: 03/2013

PAGE

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	DISINFECT	TANT	PLUOR	DE	CANDO	IN .	pH ADJUS		KMnC	24	CORROR	1		
-						71	Post	(1)				10.32	1,000	ATMA
VAC	டு	PPM	LNA	PPM	LED	PPM	LDS	РРМ	LD5	PPM	TER.	PPM,	*** The	F.h.W
1	506.9	30.9	60.9	3.7		1	4							
2	503 4	21.2	60 9	3.8										
2	511 2	31 1	60 9	3.7										
4.	524 5	31 7	60 9	3.7	1	.,								
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	492 8	29 6	60 9	3.7		-								
7	492 8	29 7	58 4	3.5	1									
R	510.4	30.6	60.9	3.7		. 1								
ß	490 0	31 1	58 4	37										
20	510.4	30 7	60 9	37										
1)	435 G	33.2	59.3	4.1										
12	492 H	30 1	60 9	3.7		-							A A	
13	420.6	30.2	50 8	36	160					-				
14 ·	510 5	31.2	60 B	37										
15	510.5	31 4	60 9	3.7										-
18	510 4	30.7	90 B	37			0.41				-0.40	- '		
17	444 4	20,6	53.3	3.5										
14	430 6	30 1	50.6	3.6										**
19	506.2	30 4	60 9	37		14-11				3				
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SE.	469.9	33 0	63.3	3.7										
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	495 4	30 <u>.7</u>	60.9	ЭÐ									~	
20 20	478.9	29 3	60.9	3.7										
	454 1	28.1	58.4	3 6										
/30		26 6	55 0	37		10								
ბუ	406 3	200			0.0		0,0	Allege	0.0		0.0		0.0	
TOTAL	15,021.9 484.6	30.4	1,827 2 58 9	37	#DIV/01	#DIV/01	#DIV/01	#DIV/0I	#DIV/0!	#DIV/01	#DIV/0I	#DIV/01	#DIV/01	#DIV/K

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS.

PW\$ 10 :

KY0800273

PLANT ID:

REPORT MONTH/YEAR: 03/2013

PAGE 3 OF 11

				TOT		AL RESULTS		LW CWITCOU	CHLORINE	RESIDUAL	·		TURBIDITY (N	TU)
10		pH	1	ALKAL		HARD	NGSS	TOP	OF	PLA				PLANT
YAC	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	CETTLED WATER	TAP
-	7.57	7.28	7.21	30	27	70	69	0.64	0.56	1 85	1 78	13 70	0 21	0.06
1 -	7 44	7 30	7.25	32	28	74	71	0 66	0 58	1 82	1.77	12.50	0.21	0.07
#200	7.62	7 30	7.25	20	19	70	68	075	0.85	1.91	1 86	11.70	0 23	0.06
-3			7.18	21	10		70	0.80	071	1.88	1.81	11.80	0 23	0 07
£	7 53	7 30			20	7 <u>7</u> 73	71	0.74	0 66	1.93	1.86	11 70	0.23	0 07
b	7.51	7 22	7 13	23				0.70	0 62	1 78	1 72	14 10	0.26	0 06
0	7.35	7.27	7 21	26	25	70	60					13.60	0.26	0 07
7	7.59	7.35	7 28	27	24	68	68	0.67	_ 0,59	1.72	1 65		0.23	0.06
á	7,50	7.30	7,19	29	28	<u>70</u>	68	0.74	0 66	1.90	1 83	12 30	0 20	
	7.49	7 33	7 17	28	26	71	70	0.71	E8 0	1 93	1.87	12 20	7	<u> </u>
70,	7.48	7 32	7 18	29	28	72,	70	074	0.67	2.01	1 93	12.10	0.20	
J1	7.48	7 20	7.07	28	25	71	64	0,70	0,63	1 94	1.87	12 00	0 21	0.07
12	7 44	7 19	7 14	20	28	75	73	0 67	0 60	1 91	1.84	12.40	0.22	0.06
43	7 41	7.26	7.20	32	31	78	76	0.71	0.64	1 88	1.80	12 30	0 21	0.06
44	7.41	7.25	7.18	36	35	79	77	074	0.67	1 95	1.88	-11 70	0 24	0 06
16	761	7.34	7.24	22	21	77	74	0.78	0.69	1 91	1 84	11 30	0 28	0 06
10	7.69	7.52	7 37	34	34	84	82	075	0.68	1.91	1.83	9 92	0.30	0 07
17	7.68	7,53	7,33	35	34	85	84	0 77	0.69	1 90	1.84	9.91	0.26	0.00
40	7 67	7.42	7.22	36	35	84	83	0.76	0.68	1,84	1 77	8 90	0 27	0 07
10	7,14	7,45	7,27	38	37	06	05	0 72	0.64	1 84	1,77	8 94	0 23	0 07
20	7 72	7.56	7.46	38	36	74	71	0 77	0,69	1 87	1.79	9 85	0.21	90.0
21	7 80	7.52	7 44	41	40	104	100	0.75	0.88	1 79	1 74	10 00	0.22	0 07
22	7.81	7.51	7 44	42	41	105	103	0.68	0.61	1.86	1.79	10.10	0.22	0.07
23	7,78	7.61	7.47	43	41	106	104	0.75	0 67	1.90	1 82	9.80	0.22	0 08
TA.	7.67	7 48	7.39	44	42	107	105	0 09	0.61	1.89	1 82	9 70	0 21	0.07
2ĥ	7.03	7 61	737	46	43	109	107	0 72	0.63	1 89	1,82	10.30	0.23	0.07
RIS	7.62	7.47	7.37	47	46	112	110	074	0.66	1 95	1.87	10 70	0 22	0.07
*11 * 1.5	7 76	7.59	7.49	37	34	89	87	0.80	0.72	1 93	1.86	10 80	0 21	0.07
27					42	'85	84	0 82	0./2	1 89	1.80	11 30	0 21	0 07
28	7 84	7.57	7.50	44	7		77	071	0.63	1 89	1.81	10 90	0 23	0.06
29		7 60	7.40	41	39	80		077	0.67	1.90	1.81	10 60	0 24	0.06
30	771	7 57	7 46	44	42	87	96				1 91	10.20	0 23	0.08
. 31	7 72	7 46	7.39	40	38	85	63	0 73	0 64	1.97	(c) = 22000		1	
AVERAG	7.6	7.4	73	34	33	R3	81	0.73	0 65	1.89	1 82	11.24	0.23	0 07

OPTIONAL INFORMATION—Surface Water Plants Only		PWS ID :	KY08002	7.3
KENTUCKY DIVISION OF WATER	10	PLANT ID:	A 2987	
DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT	ď	REPORT MONTHY	EAR:	03/2013

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

						ANAL	YTICAL NE	BULTS (NT	-			THE LIEBUT			CFE
	RAW		CCDIME	NTATION BA	SIN EEELU	ENT	1				. PILTER EF LY MAXIMU				DAILY
~~~	DAILY MAXIMUM	Ø1		DAILY MAX	MUM	#5	#ti	#4	82	W3 DAI	#4	45	#6	67 N	AXIMUN
YAC									= 5	0 05	0 06	0.07	0.06		0 06
-	13 7.0		0 24	0 23			-			0 05	0 05	0.07	0.06		0 06
Z	12.50	-	0 23	0 22					-		0.05	0 05	0 05		0.06
3	11 70		0.28	0.25		-				0.04		0 06	0 05		0.06
£	11,80		0 28	0.29				-		0 04	0 05				0.06
ъ	11.70		0.32	0 26		_				0.05	0 06	0.05	0.05		0 06
د	14 10		0 36	0 25				+		0 04	0.05	0.06	0 05		
r	13.60		0.36	0 26						0.04	0 05	0 08	0 07		0 07
.8	12 30		0.33	0 26					_	0 05	0 <u>05</u>	0.05	0 05		0.08
- 2ъ	12.20		0.23	0 24					_	0.06	0.07	0.07	0.05		0 06
iù	12 10		0 21	0 22						0 04	0.05	0.05	0 05	<del></del> e	0.06
11	12.00		0 23	0 24						0.04	0 05	0 06	0.05		0 06
	12 40		0.21	0.27		76.				0 04	0 05	0.05	0 05		0 06
īz _	12 30		0.24	0 25	***					0.05	0 06	0 05	80.0		0 <u>0</u> ë
13		nye.		0.35					er-	0.04	0.05	0.04	0 06		0 06
14	11.70		0 33		Pi I					0 04	0 06	0 07	0 07	-	0 06
4.8	11 30		0 31	0 38				39-		0.05	0.08	0.08	0.08		0.06
10	9.92	-	0 23	0 32						0.05	0.06	0 10	0 06		0 09
17	9 91	-	0 29	0.30	- 1						0.13	0.10	0 05		0 10
dis	9, 90		0.32	0 30			-			0 18			0.05	-	0 07
110	8 94		0 26	0 27						0.05	0 06	0 12	0.06		0 07
20	9.85		0.23	0.24		- +				Q <u>05</u>	0 05	0 09			0.08
21	10.00		0.22	0 25	_		is:	- 1		0.05	0.05	0 08	0.05		
22	10.10		0 22	0.25						0 05	0.06	0 12	0 05		0 07
27	9.80		0.23	0 25					9.	0.05	0.05	0 14	0.05	-	0.07
224	9 70		0 26	0.23						0.04	0 06	0 11	0.06		0.0
26	10.30		0.47	0.23	. 677					0 06	0.06	0.12	0.05		0.00
30	10 70		0 26	0.24						0.05	0.06	0 11	0.05		0.0
	10.80		0.21	0 24						0.05	0.06	0 10	0.06		0.0
. 27			0.28	0 23				2		0 05	0.05	0.11	0 05		00
28	11.30			0.24						0.05	0 05	0 05	0.05		00
		-	0 37	(140)						0:08	0.07	0 06	0.05	91	0.0
_ 50	-1		0.26	0.29						0.05	0.06	0.06	0.05		00
31	10 20	-	0 26	0.27		#DIV/0!			-		0.06	0 08	0.05	#DIV/0	

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

KY0800273

STANTS LIN OF SIBADLINGS

Disinfectant Chloramines? (Y/N)

REPORT MONTH/YEAR:

03/2013

	FLUOF	RIDE	IRO		MAN	BENAE	ER OTHERWIR	25	Lowest Daily Chlorine Residual Plant Tap On-Linu Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	
4	0.10	0.82	0 21	0 03	0 10	0.01			1.97	01	71
2	0 11	0.88	0 23	0 03	0.10	0 01			1 91	0.0	70
3	0.08	0 84	0.28	0.03	0.07	0.01			2 00	0.0	7.4
4	0:09	0.86	0 29	0 03	0 07	0.01			2.00	0.0	71
ti	0.08	0.88	0.27	0.03	0.07	0 01			2.00	0.0	7.0
В	0.03	0.82	0.19	0.03	0.08	0.01	2		2 00	0.7	68
7	0.05	0 80	0 21	0 03	0 08	0.01			1 90	0.1	70
8	0 07	0.83	0.22	0 03	0.09	0.01			1 98	0.0	7,1
g _	0.06	0 85	0.23	0.03	0 08	0.01		- 7	1 76	00	70
10	0.07	0 87	0 21	0.03	0 08	0.01			2.00	0.0	71
33	0 06	0.92	0.23	0 03	0 08	0 01			1 90	0.0	7.0
12	0 07	0.89	0.21	0.01	0.09	0.01		7/	1.80	0.3	5 9
13	0.08	0.86	0.17	0.03	0.09	0.01			1 90	0.0	6.8
124	0.04	0.83	0 18	0.03	0.08	0.01			1.95	0.0	10.5
	0 07	0.86	0.23	0 03	0 07	0.01			1 95	0.0	7.6
15	0.09	0.88	0.25	0.03	0.06.	0 01			2.00	0.0	81
16	0.08	0.87	0.24	0 03	0.06	0.01			1 90	0.0	8.2
17	0.07	0.87	0 21	0.03	0.07	0.01			1 75	02	83
18	700000000000000000000000000000000000000	0.87	0 22	0.03	0 07	0 01			1.90	0.8	9.7
19	0 05	0.81	0.23	0 03	0.06	0.01			1 85	0.0	8.7
20		0.01	0.23	0.03	0 06	0.01	W 55-		1.80	0.0	8.7
21	0 16 0 17	0.87	0.21	0.03	0 07	0.01		1.0	1.90	0.0	8.6
22	Đ.	0.07	0 23	0.03	0 07	0.01			1 85	00	84
23	0.15	0.88	0 23	0.03	0.07	0.01			1 95	0,0	8.1
24	0.15	0.87	0.21	0.03	0.07	0.01			1 90	0.6	79
,25				0.03	0.07	0 01		250 10	1 75	0.0	7.8
26	0.13	0.89	0.21	0.03	0.06	0.01			1 90	0.0	8.5
27	0 13		0.23	0 03	0.08	0.01			1.85	0.0	8.5
28	0.14	0.98		0.03	0.05	0.01			1 95	0.0	8 4
29	0.13	0 94	0.21			0 01			1 65	0.0	8.8
30	0.15	0.97	0.21	0.03	0 07			-	1.92	00	8.9
34 AVERAGE	0.10	0.87	0.20	0.03	0.05	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	7.9
		);							1 65		

than 0.2 mg/L For Chloramines # leas than 0.5 mg/L

#### KENTUCKY DIVISION OF WATER - DRINKING WATER ERANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

A MARINA and a section of	TO ALL PLANTS WITH FILTRATION
APPLIC ADLE	TO MELL LEVILLE BOTH LIE HALLING

PW8 ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2013

				***************************************		FILTED OPER	z viewia		1		
1	TOTAL	Nu:	3	Nu.	4	No:	6	No:	6	No:	
- 1	WASH WATER	ANTA (square test)	150	AREA (rquare teet)	180	AREA (squere test)	168	AREA (square feet)	180	(pool wraups) ABRA RUTAWHEAW	FILT RUN
DAY	GALLONE	WACHWATER GALLONG	FALT RUN	WASHWATER GALLONG	FILT RUN	WASHWATER GALLONR	FILT AUN HRR	CALLONS	PIL1 KUN 1IR0	BRULIAR	HRB
1	0										
2	30,000				1/2	15,000	98 50	15,000	98 50		
	0		1	3.			9				
4	0	-									
	30,000	15,000	115	15000 00	115						
ti ti	0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,,,		100			E			0.5511
	42,000					23,000	106.90	19,000	106.90		
1	0								012		
8	28,000	14,000	90 40	14,000	90 40					HMCOS-MANNO	
46	0	14,000	00 10								
10	40,000		~	Ti.		20,000	96.70	20,000	96.70	Salilli VII	
17 -	0										
(2	31,000	16,000	94.80	15,000	94 80					0 1	
42,	0	10,000	04.00								
14	38,000			1000	j	18,000	100.00	18,000	100.00	- 10 - 10	
18	0			-11.						77	
10	0										
47 Jan 11	36,000	18,000	104.30	17,000	104 30		N:				
18	0	10,000	104,00	1, 1000		តា					
19	(1000) (000)	100				16,000	97 20	14,000	97 20		
20	30,000				1						
절1	36,000	18,000	99.20	18.000	99.20			4			
22	0	171070		0						,,,	
23	40,000					20,000	103.20	20,000	103.20		
24	0									-	
26 28	31,000	16,000	100.60	15.000	100.50						
27	. 0										
63	31,000			-51		15.000	90.80	16,000	90 60		
7 <u>B</u>	0	2 0			- 11			21		1	
28 30	30,000	15,000	95.60	15,000	95 50						1
<u>30</u> 31	0	10,000						1			
	470,000	112,000	700 20	109,000	700 10	127,000	693.30	122,000	693 10	0	0.00
TOTAL		16,000	100 029		100 014		99,043	1	99 014	#DIV/01	#DIV

COPY AS NEEDED

#### KENTUCKY DIVISION OF WATER - ORINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

9	i()	•	PWS ID :	KYON	00273
		PI	LANT ID:		۸
ALL WATER FREE MATAWA		REPORT MO		03/3	2013
		PAGE	7	QF .	11

		CALE ADDED	î î		(0)		YEST AND PROOF (F) C	SULTS	o e e e e e e e e e e e e e e e e e e e		
	GHLORINS	DOGGYER	i i	NU	(iu	TOTA	ATH	CA!	(Ppin)	wij	
DAY	LUA	LINA		T	F	Ţ	F		F	T	F
1	G O			1.44	1,30	1,00	0.97	1,40	1.36	1.04	0 00
e	6 R	277701		1,78	1,73	1.71	1,66	1.63	1,60	1.11	1.36
2	50		1 - 1	1.62	1.58	1.75	1.71	0.66	0.83	0.79	0.74
4	5.8		u 400	1.28	1.10	1 41	1 34	1.54	1 45	1 28	1 20
įį.	5.8			1.48	1 43	1.04	1,01	1,18	1.17	1,33	1,29
	5.8			1.54	1 50	1 36	1 31	1 50	1 15	1 16	1 11
7	5 8		1	1.28	1,25	1.30	1 26	1 03	0 98	1 20	1.18
<u> </u>	5 B	arcone -		0 82	0 75	1.43	1.24	D.84	0,82	1,35	1.32
в	5,8			1 62	1.58	1.69	1.85	1.74	1,68	1 64	1,48
1 <u>g</u>	6.8			1.82	1,79	1.74	1,69	1 87	1 77	1 82	1.77
11	0.0	988		1.50	1.43	1,58	1.50	1 32	1 26	1 70	1 64
42	D O	+		1 45	1 14	1 08	1 04	1,50	1.47	0.02	0.82
13	58			1.52	1 43	0.38	0 37	145	1 40	1 22	1.18
14.	58	- 1		1.00	1 55	1.33	1.31	0.51	0,44	1,70	1 61
16	0.0		7 ]	1.33	1.28	1.30	1.27	1.56	1 49	0.78	0.69
46	68			1,49	1.42	1.69	1,63	0.86	0.80	1.09	1 06
17	00	•		1.50	1.63	1 61	1 58	0 58	0.48	0 30	0.24
78.	00			1 51	1 33	1 24	1.17	1.52	1.47	1.23	1,15
Tip	5.8			1 46	1 35	0 91	08/	1 33	1 30	1 27	1 20
20	5.8			0.74	0 69	0.86	0,77	1.54	1 49	0,99	0.96
	5.8		77.00 - 1	1 28	1.21	1,39	1.37	1.46	1,39	1,33	1.28
24.	5.8		0.18	0.97	0.89	1.25	1 20	1,05	1.00	1.24	1,18
21	0.0			1.66	1.56	1,79	1.07	1.86	1 78	1 73	1.68
23	0.0			1.63	1.77	1.38	1 27	1.73	1,70	1,76	1.69
.24	5.0		1	1,56	1,37	1 67	1 04	1 67	1 59	1 31	1 23
,266	5.0			1 30	1.34	1.24	1.17	1,44	1 37	1 01	0 92
2(1	6.8		1 1	1 17	1 13	1 07	1,04	1 01	1.79	1,02	1.00
27	5.0		1	1.53	1,43	1.70	1 67	1,40	1.68	1,60	1 46
25	5.8	26		1.31	1.20	1.25	1.19	1.06	0.99	0,97	0.88
36	0,0			1,75	1.74	1.73	1.68	0.66	0.60	1 07	0 B7
30	5.9			074	0.69	0 86	0 77	1,54	1 49	0 99	0 96
	43	#DIV/0!	Arminge	1.42	1 38	1 35	1 29	1 34	1 28	1 23	1 17
VERAGE		0.0	Tutal Minimum	0 74		0 38		0 51		0 30	
DYAL	134,3	0.0	Free Minimum	0 / 7	0.69		0.37		0 44		0 24

Number of Pree Residents 124
Number of Yotal Residents 124
Total # Less than 0.2 mg/L/0.8 mg/L
0.24
Number of Yotal Residents 124
Total # Less than 0.2 mg/L
0.30

Deprison (interamines / (Y/N)
Number of days of operation?

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

	Ti-					PWS ID: 🛒	KY080	0273	i.
Т	URBIDITY	REPORT				PLANT ID:	A		ė
Ī	APPLICA	BLE TO ALL PLA			Report Period	(MM/YYYY):	03/2	)13	PAGE
No	omo:	Martin	County Water	District					Dilliy.
T	Moure Plant Opciates	Trimples Hagging	Mid - 4 rins	4 nm - 8 nm	i sim - Neish	Mbon - 4 pni	4 per - 0 pm	Jan 1915	Winterrio
t	24.0	T 6	0.06	0.06	0.08	0.06	0.06	0.06	0.064
1	24.0	6	0 06	0.06	0.06	0.06	0.06	0.06	0.064
t	24.0	6	0 06	0.06	0.06	0.06	0.06	0.06	0.06
t	24.0	6	0.06	0.06	0.06	0.06	0 06	0.06	0.05
t	24.0	6	0.08	0.06	0.06	0.06	0.10	0 06	0 09
t	24 0	6	0.06	0.06	0.08	0.06	0 06	0 06	0.06
t	23.0	6	0.06	0.07	0.08	0.06	0.06	0.06	0.07
t	24.0	6	0.06	0.06	0.08	0.05	0.05	0.08	0.05
+	23.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.06
+	24.0	6	0.06	0.05	0.05	0.05	0.06	0.05	0 05
-	21.0	6	0.06	0.06	0.06	0,06	0.06	0.06	0.06
H	24.0	6	0.06	0.06	0.06	0.06	0.08	0.08	0.05
╬	20.0	5	0.06	0.06	0.06	0.05	0.06	0 06	0.05
╁		6	0.05	0.06	0.05	0.05	0.05	0.05	0.06
╀	24.0		0.05	0.05	0.05	0.05	0.05	0.06	0.06
ł	24.0	6	0.05	0.06	0.05	0.05	0.06	0.06	0.00
+	24.0	6	0.06	0.00	0.06	0.06	0.06	0.06	0.08
+	21.0	6		0.10	0.03	0.07	0.06	0 07	0.09
+	20.0	5	0.07	0.07	0.07	0.06	0.08	0.06	0.07
+	24.0	6 -	0.07	0.07	0.06	0.06	0.06	0.06	0.0
1	23.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.00
+	24.0	6	0 06		0.07	0.07	0 07	0 07	0.0
1	24.0	6	0.07	0.06	0.07	0.07	0.07	0.07	0.00
1	24.0	6	0.07	0.07	_	0.06	0.06	0.06	0.00
1	24.0	6	0.07	0 07	0.07	0.06	0.06	0.06	0.0
1	21.0	6	0.06	0.06	0.06	-	0.06	0.07	0.0
	23 0	6	0.06	0.06	0.06	0 06	0.06	0 07	0.0
1	24.0	6	0 06	0.08	0.06	0.06	0.00	0 05	0.0
	24.0	6	0.07	0.07	0.07	0.06	0.05	0.05	0.0
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.0
	23.0	6	0.05	0 05	0.05	0.05	0.05	0.05	00
1	22.0	6	0.06	0 06	0.06	0.06		- 00	00
mt.	720.0	184				OTAL # OF TURBIDIT	y gamplige taken .	100	1 00
=	YOU USING E	THER CONVENTION	AL or DIRECT F	ILTRATION? (Y	/N)	_1			
	pe of Stillbig ipor of Stillbig		0.1 NT	U0	0.3 NT	u <b>0</b>	_ 1 NT\	0	
.er11					1 NT	U	5 NT		_
	For allow sone	d Illtration, the numb per of Turbidity Sam	er or sampros c	a the number of			4 rounded		
TI	E: The 'Numb the next whol	oer of Turbidity Sami	olos Roquired" (	P THE UMBROLO	,,ould als plant op				
ŧΟ	flift tifat miloi		000000000000000000000000000000000000000		a dudaa alaat aha	ration and in the	time frames no	ed shove	
ort	lify that the ol	bove turbidity read	ngs were take	n every 4 Hour	a dough biggir obe	i	4-01-	2013.	

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

WS Namo:	Ma	rtin County Water Dis	triot	(a)	
W6 ID:	KY08	00273			
LANT ID:		Α			
aport Period (WWWYY	<b>^</b> /):	03/2	2013	- m	
any filter excer also listed on the he appropriate i	e Summary Shee	ne individual filter t ), complete the fo	turbidity triggers to bllowing and subn	pelow, nit	PAGE 9 OF
Dutu	Piliar Number	Turbidity Residing (NTU)	Trigger Level (see below)	Reason for Excuadance (It known)	Dare and him Sure and Contaction
• •)					
		er a production			
		E:		2	-
<i>ii</i> (2000)			3		
	-	5	-	- HEAT - F T	*
		1			
				200	

- at the end of the first 4 hours of operation following a t
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 16 minutes apart at any time in each of 2 consecutive months.

Report Required:

For Triggor A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Triggor B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance. If no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter solf-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

#### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY	YYY) 03/2013
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL C	F THE FIELDS ARE PRE
				POPULATED FOR YOU!!!	
		APPLIC	ADIET	DRMATION DIALL PLANTS	
DI ANT ID	A	APPLIC		TAL WATER TREATED (gallons)	59,361,000
-	A Newto Causta	Water District		DAILY PRODUCTION (gallons)	1,914,871
PLANT NAME	and the second s	AASTOL DIRECT	-	XIMUM PUMPAGE (gallons per day)	2,000,000
AGENCY INTI	EREST		1412-0	VINORI POINTAGE (Ballotte bei day)	
		INDIVIDUAL F	ILTER E	FFLUENT TURBIDITY	
	and the second s	APPLICABLE TO	ALL PL	ANTS WITH FILTRATION	
ANALYTE CO	DDE 0100				_
Was each filte	er monitored continuously?	(Y/N)			
	ements recorded every 15		Manufacture and the		
Was there a fi	silure of the continuous mo	onitoring equipment? (1	//N)		
If Yes, (1)	were individual filter efflu	ent turbidity grab sampl	es collec	ted every four hours of operation? (Y/N)	
(2)	was the continuously mor	nitoring equipment repa	ired withi	n 5 working days? (Y/N)	
Was individua	al filter level greater than 1.	O NTU in two consecuti	ive meas	urements? (Y/N)	hours? (Y/N)
Was individua	al filter level greater than 0	5 NTU in two consecuti	ive meas	urements after on line for more than four!	722
Was Individua	al filter level greater than 1	0 NTU in two consecuti	asem <del>e</del> vi	urements in three consecutive months? (	Y/N)
Wes individue	al filter level orealer than 2	0 NTU in two consecut	ivė meas	urements in two consecutive months? (Y/	N)
If any of the I	last 4 hores are VES, fill	out the Individual Filt	or Turbi	dity Sheet and submit with the MOR	
	OMBINED FILTER EFFLU			ENTRY POINT RESIDUAL DISINGE	CTANT CONCENTRATION
	COMBINED FILTER EFFEL LICABLE TO ALL PLANT			APPLICABLE TO A	LL PLANTS
APPL	LICABLE TO ALL FLANT	5 WITH TENTON			With time Victoria and the control of the control o
ANALYTE CO	DDE 0100			ANALYTE CODE 0999	10
	ours of plant operation		720.0	Number of days of plant operation	3
	s taken every 4 hours of p	lant operation? (Y/N)	Y	Were samples taken each day of operat	
Number of sa			186	Number of lowest chlorine samples reco	orded3
	e turbidity reading		0.10	Lowest single chlorine reading	1,6
	on except slow send filtration	)N		If less than required:	
Number of			0	Was residual restored within 4 hours of	plant operation? (Y/N)
	f samples exceeded 0.1 N	TŲ	<u>0</u>	Was residual restored within 4 hours of ree Chloring (for all disinfectants excep	plant operation? (Y/N) [
Number of	f samples exceeded 0.1 N if samples exceeded 0.3 N	TU		Was residual restored within 4 hours of <u>ree Unionne</u> (for all disinfectants exceptions)  Number of samples under 0.2 mg/L	ot chloromine).
Number of	if samples exceeded 0.1 N if samples exceeded 0.3 N if samples exceeded 1 NT	TU	0	Was residual restored within 4 hours of <u>Free Chlorine</u> (for all disinfectants except Number of samples under 0.2 mg/L <u>Total Chlorine</u> (when disinfectant is Chlorine)	ot chloromine).
Number of Number of When filtratio	if samples exceeded 0.1 N if samples exceeded 0.3 N if samples exceeded 1 NT in is slow sand filtration:	TU	0	Was residual restored within 4 hours of <u>ree Unionne</u> (for all disinfectants exceptions)  Number of samples under 0.2 mg/L	ot chloromine).
Number of Number of When filtratio Number o	if samples exceeded 0.1 N if samples exceeded 0.3 N if samples exceeded 1 NT	TU TU	0	Was residual restored within 4 hours of <u>Free Chlorine</u> (for all disinfectants except Number of samples under 0.2 mg/L <u>Total Chlorine</u> (when disinfectant is Chlorine)	ot chloromine).
Number of Number of When filtratio Number of Number of	of samples exceeded 0.1 N of samples exceeded 0.3 N of samples exceeded 1 NT on is slow sand filtration: of samples exceeded 1 NT of samples exceeded 6 NT of samples exceeded 6 NT	TU T	0	Was residual restored within 4 hours of tree Unionne (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine for samples under 0.5 mg/L  CHLORITE ENTRY POINT	oramine)
Number of Number of When filtratio Number of Number of	of samples exceeded 0.1 Notes amples exceeded 0.3 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 5 Note	TU TU U U U U U U U U U U U U U U U U U	0	Was residual restored within 4 hours of ree Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L	oramine)
Number of Number of When filtratio Number of Number of CHL APPLICA	of samples exceeded 0.1 Notes amples exceeded 0.3 Notes amples exceeded 1 NT on is slow sand filtration: of samples exceeded 1 NT of samples exceeded 6 NT of samples excee	TU TU U U U U U U U U U U U U U U U U U	0	Was residual restored within 4 hours of the Unionial (for all disinfectants except Number of samples under 0.2 mg/L  Total Chloring (when disinfectant is Chloring (when disinfectant is Chloring for samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZ	oramine)
Number of Number of When filtratio Number of Number of CHL APPLICA	of samples exceeded 0.1 Notes amples exceeded 1.3 Notes amples exceeded 1.NT on is slow sand filtration: of samples exceeded 1.NT of samples exceeded 6.NT of samples excee	TU TU U U U U U U U U U U U U U U U U U	0 0	Was residual restored within 4 hours of pree Unionne (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine (when disinfectant is Chlorine for samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009	oramine)
Number of Number of When filtratio Number of Number of APPLICA ANALYTE CO Number of de	of samples exceeded 0.1 N of samples exceeded 0.3 N of samples exceeded 1 NT on is slow sand filtration:  of samples exceeded 1 NT of samples exceeded 5 NT of samples exceeded 6 NT of samples exceeded 6 NT of samples exceeded 5 NT of samples exceeded 6 NT of samples exce	TU TU U U POINT MONITORING ING CHLORINE DIOX	0	Was residual restored within 4 hours of the Unionial (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine (when disinfectant is Chlorine for samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009  Number of days of plant operation	oramine)  Oramine)  Oramine)  Oramine
Number of Number of When filtration Number of Number of Number of APPLICA ANALYTE Of Number of de Were sample	of samples exceeded 0.1 Notes amples exceeded 0.3 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 5 Notes amples amples amples amples amples amples exceeded 6 Notes amples	TU TU U U POINT MONITORING ING CHLORINE DIOX	0 0 0 IDE	Was residual restored within 4 hours of the Unionial (for all disinfectants except Number of samples under 0.2 mg/L  Total Chloring (when disinfectant is Chloring (when disinfectant is Chloring for samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of opera	oramine)  Oramine)  Oramine)  Oramine
Number of de Number of de Number of de Number of sample Number of	of samples exceeded 0.1 N of samples exceeded 0.3 N of samples exceeded 1 NT on is slow sand filtration:  of samples exceeded 1 NT of samples exceeded 1 NT of samples exceeded 5 NT of samples taken each day of operation of samples taken exceeded 0.1 NT of samples taken exceeded 0.3 NT of samples taken exceeded 0.3 NT of samples taken exceeded 0.3 NT of samples taken exceeded 1 NT of samples exceeded 1 NT	TU TU U U POINT MONITORING ING CHLORINE DIOXI	0 0 0	Was residual restored within 4 hours of the Unione (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine for samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZ  ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation of samples taken	oramine)  Oramine)  Oramine)  Oramine
Number of day were sample Number of sal Highest single	of samples exceeded 0.1 Notes amples exceeded 0.3 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 1 Notes amples exceeded 5 Notes amples amples amples amples amples amples exceeded 6 Notes amples	TU TU U POINT MONITORING ING CHLORINE DIOXI	0 0 0 IDE	Was residual restored within 4 hours of the Unionial (for all disinfectants except Number of samples under 0.2 mg/L  Total Chloring (when disinfectant is Chloring (when disinfectant is Chloring for samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of opera	oramine)  IT MONITORING  ING CHLORINE DIOXIDE  tion? (Y/N)

certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Speed on my inquiry of those individuals enhantitely responsible for obtaining the information the submitted information is true, accountle and complete. I am sware that there are significant pondities for submitting false information including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224 99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

4-9-2013

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

vs in KY080	0273	MONITORING PERIOD	(MMYYYY) 03/2013
2987	NOTE: COMPLETE A	LL APPLICABLE FIELDS!!! NOT	ALL OF THE FIELDS ARE PR
		POPULATED FOR YOU	OLD
Р	URCHASED	ALL WATER SYSTEMS	The below
FROM WHOM? (PWS II		TO WHOM? (PWS ID)	HOW MUCH? (gallons)
	o o		
WV3303003			
KY0980575			
			-
			-
		20 20 20 20 20 20 20 20 20 20 20 20 20 2	
			M
			1000
V-10-1497	_		Y
CONTRACTOR OF STREET			
	DISTRIBUTION RESIDUAL	DISINFECTANT CONCENTRATION	V
	APPLICABLE TO	ALL WATER SYSTEMS	
NALYTE CODE 099			to account distanceine)
lumber of days of operation	31		ts except chloramine)
Vere samples taken each o	lay of operation? (Y/N)	Number of samples under 0	2 mg/L
lumber of samples taken.	= = = = = = = = = = = = = = = = = = = =	Total Chlorine (whon disinfectar	nt is chloramine)
COEF	124	Number of eamples under 0	5 mg/L
TOTAL	124		
owest single FREE chlorin	e reading 0.24	4	8 "

Leartify under penalty of law that I have personally examined and um familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am sware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KHS 224 99-010 up to \$25 000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

4-9-2013 Date

# Martin County Water District 387 East Main Street Inez, KY 41224

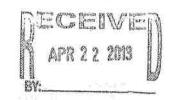
606-298-3885 - Office

606-298-4913 - Fax



Tam

To:	Eleen Burk		From:	Earl T. Alley		
Faxc	1-502-564-2741	1 p3	Dato:	04/18/13		
Phone	) i	DC .	Pagos:	13	(A. 1800	17
Roi	March 2013 MOR	J. 6 10 10 10 10 10 10 10 10 10 10 10 10 10	CC:		C 21	
□ Urg	ent X For Review	☐ Please Con	nment	□ Please Roply	□ Picas	e Recycle
•Com	monts;					n
<b>Ѕопту</b>	about the confusion			2	- a	i.
Thank	ks					\$



## DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

PLOSE THE RESIDENCE AND RESIDENCE	PWS ID: KY0800273 PLAN:  PWS NAME: Martin County Water District  NTEREST (AI): 2987  RCE NAME: Crum Reservoir  Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CHA  VTP SHIFT 1: Earl T Alley  VTP SHIFT 2: Michael Sartin  VTP SHIFT 3: Jerry L. Belcher / Justin L. Blackbu  STRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE D  NO LATER THAN 10 DAYS  WENT PLANTS COMPLETE:  N CAPACITY (gpm):  OF FILTRATION RATE (gpm/sq. ft.):  INT BACKWASH WATER USED:		] with x		GROUNDWATER PURCHASE/DISTRI	BUTE ONL	Υ.	
PWS ID :	KY0800273	PLANTID: A	PLANT NAME:		Martin Cou	ıty Water Di	istrict	
PWS NAME:	Martin County Water D	strict	PLANT CLASS:	3	DIST. CLAS	8: 2		
AGENCY INTEREST (AI):	2987		DATE MAILED:		04-17-20	13		with S
SOURCE NAME:	Crum Reservoir		COUNTY:	p= 3	Martin			
	Tug Fork							28
	OPERATOR(S) RESPONSIBLE	IN-CHARGE	CLASS		CERTIFICATION N	UMBER	evy.	
WTP SHIFT 1:	Earl T Alley		1V-A	nn i	17562	-		
WTP SHIFT 2:	HAT THE PERSON OF THE PERSON O		_1V-A		21944			- N - H
WTP SHIFT 3:	Jerry L. Belcher / Justin L. E	Blackburn	1V-A / 111-A		21719 / 163	0		
DISTRIBUTION:			1					
THIS REI	NCY INTEREST (AI): 2987  SOURCE NAME: Crum Reservoir  Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CH.  WTP SHIFT 1: Earl T Alley  WTP SHIFT 2: Michael Sartin  WTP SHIFT 3: Jerry L Belcher / Justin L Blackbu  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DISTRIBUTION:  EATMENT PLANTS COMPLETE:  DESIGN CAPACITY (gpm):  TYPE OF FILTRATION USED:					OFFICE		
TREATMENT PLANTS					Maria de la compansión de			
DESIGN CAPACITY (gpm)		1,66	7				YE'LL	
2. TYPE OF FILTRATION US		Dual M	edla				a z -	
3, DESIGN FILTRATION RAT	E (gpm/sq. ft.):	2.60					arg a	- 8.5
4. PERCENT BACKWASH W	ATER USED;	0.8			Red College		000	
5. DATE FLOCCULATION BA	ASIN(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/ 09 .			NO. OF STREET	harro T	- 2542 1
	PWS ID: KY0800273 PLAN PWS NAME: Martin County Water District  2987  OURCE NAME: Crum Reservoir  Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CH/  WTP SHIFT 1: Earl T Alley  WTP SHIFT 2: Michael Sartin  WTP SHIFT 3: Jerry L Belcher / Justin L Blackbu  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DISTRIBUTION:  ATMENT PLANTS COMPLETE:  SIGN CAPACITY (gpm):  PE OF FILTRATION USED:  SIGN FILTRATION RATE (gpm/sq. ft.):  RCENT BACKWASH WATER USED:  STE FLOCCULATION BASIN(S) LAST CLEANED: #2 - 3			, de			3005 152	
6. DATE SETTLING BASIN(S	PWS ID: KY0800273 PLAN PWS NAME: Martin County Water District CY INTEREST (AI): 2987  SOURCE NAME: Crum Reservoir Tug Fork OPERATOR(S) RESPONSIBLE / IN-CH. WTP SHIFT 1: Earl T Alley WTP SHIFT 2: Michael Sartin WTP SHIFT 3: Jerry L Belcher / Justin L Blackbu DISTRIBUTION: THIS REPORT MUST BE RECEIVED BY THE DISTRIBUTION: ATMENT PLANTS COMPLETE: SIGN CAPACITY (gpm): PTE OF FILTRATION USED: SIGN PILTRATION RATE (gpm/sq. ft.):						Wales	
								W. 3V
		2.000		1100	allyma Agencesia		86. januar	and the first

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

Each T. Olley
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

nave



## OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA COPY PAGE AS NEEDED

PWS ID : KY

KY0800273

REPORT MONTH/YEAR:

2987

03/2013

PAGE 4 OF 11

	RAW									INDIVIDUAL FILTER EFFLUENT					CFE
AY	DAILY MAXIMUM	#('	#2	#3	AXIMUM #4	#5	#6	#1	#2	#3	ULY MAXIM #4	UM #6	#6	#1	DAILY MAXIMU
	13.70		0,24	0.23				4.00		0.05	0.06	0.07	0.05		0.06
	12.50		0,23	0.22						0.05	0.05	0.07	0.06		0.06
	11.70		0.28	0.25						0.04	0.05	0.05	0.05		0.06
	11.80		0.28	0,29					nse hone i	0.04	0.05	0.06	0.05		0.06
	11.70		0,32	0.26						0.05	0.06	0.05	0.05		0.06
6	14.10		0.36	0.25						0.04	0.05	0.06	0.05		0.06
	13.60		0.36	0.26						0.04	0.05	0.08	0.07		0.07
	12.30		0.33	0,26	=117					0.05	0.05	0.05	0.05		0.06
	12.20		0.23	0.24						0.06	0.07	0.07	0.05		0.06
10	12.10		0,21	0.22						0,04	0.05	0.05	0.05		0.06
11	12.00		0.23	0.24						0.04	0,05	0.06	0,05		0.06
	12.40		0.21	0.27						0.04	0.05	0.05	0.05		0.06
	12.30		0.24	0.25						0.05	0,06	0.05	0.06		0.06
e.	11,70		0,33	0.35						0,04	0,05	0.04	0.05	n e	0.06
15	11.30		0.31	0.38						0.04	0.05	0.07	0.07		0.06
18	9.92		0.23	0,32						0.05	0.06	0.08	0.06		0.06
	9.91		0.29	0.30						0.05	0.06	0.10	0.06		0.09
18	9.90		0.32	0.30	u dos					0.18	0.13	0.10	0.05		0.10
10	8.94		0.26	0.27						0.05	0.06	0,12	0.05		0.07
20,	9.85	Call Series	0.23	0.24						0.05	0.05	0.09	0.06		0.07
el.	10,00		0.22	0.25						0.05	0,05	0.08	0.05		0.06
	10.10		0.22	0.25						0,05	0,06	0.12	0.05		0.07
	9.80		0,23	0,25						0.05	0.05	0.14	0.05		0.07
4	9.70		0,26	0.23		100				0.04	0,06	0.11	0.06		0.07
4	10,30		0.47	0.23						0.05	0.06	0.12	0.05	7.00	0.06
46	10.70		0.26	0.24						0,05	0,06	0.11	0.05		0.07
	10.80		0.21	0.24						0.05	0.06	0.10	0.06		0.07
40	11.30	(4000)	0.28	0.23						0.05	0.05	0.11	0.05		0.07
	10.90		0,37	0.24					8.32	0.05	0.05	0.05	0.05		0.08
	10.60		0.26	0.29						0.06	0.07	0.06	0.05		0.08
4	10.20		0.26	0.27				2		0.05	0.06	0.06	0.05		0.06

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANGH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPRICABLIÉ TO ALUPLANTS

PWSID: PLANT ID:

1.65

0

Number of readings For Free Chlorine, # less than 0.2 mg/L

For Chloramines, # less than 0.5 mg/L 31

2.78

KY0800273

REPORT MONTH/YEAR:

PAGE

03/2013

11

OF

*Please answer Y/N question below this chart

ANALYTICAL RESULTS (MOX. OR PPM UALESS OTHERWISE SPECIFIED) WATER MANGANESE FLUORIDE IRON Lowest Dally Chlorine Residual RAINFALL TEMP. Plant Tap On-Line Chloring DEGREES Analyzer Fº/Cº TAP FREE / TOTAL INCHES TAP RAW TAP RAW TAP RAW DAY RAW 1.97 0.1 7.1 0.10 0.82 0.21 0.03 0.10 0.01 0.0 7.0 1.91 0.88 0.23 0,03 0.10 0.01 0.11 2.00 0.0 7.4 0.01 0.06 0.84 0.28 0.03 0.07 0.0 7.1 0.03 0.07 0.01 2.00 0.09 0.86 0.29 0.0 7.0 2.00 0.08 0.88 0.27 0.03 0.07 0.01 2.00 0.7 6.8 0.03 0.82 0.19 0.03 0.08 0.01 7.0 1.90 0,1 0.08 0.01 0,80 0.21 0.03 0.05 7.1 0.0 1.96 0.07 0.83 0.22 0.03 0.09 0.01 0.0 7.0 1.75 0.01 0.85 0.23 0.03 0.08 0,06 0,0 7.1 2.00 0.01 0.21 0.03 0.08 0.07 0.87 0.0 7.0 0.01 1.90 0.06 0.92 0.23 0.03 0.08 0.3 6.9 1.80 0.07 0.89 0.21 0.01 0.09 0.01 6.8 0.0 1.90 0.01 0.03 0.09 0.06 0.86 0.17 0.0 10.5 1.95 0.01 0.83 0.03 0.08 0.18 0.04 7.6 1.95 0.0 0,01 0.07 0.86 0.23 0.03 0.07 2.00 0.0 8.1 0.01 0.09 0,88 0.25 0.03 0.06 8.2 0.0 1.90 0.01 0.87 0.24 0.03 0.06 0.08 8.3 1.75 0.2 0.07 0.87 0.21 0.03 0.07 0.01 9.7 0.8 1.90 0.01 0.05 0,87 0.22 0.03 0.07 10 0.0 8.7 1.85 0.03 0.06 0.01 0.12 0.81 0.23 1.80 0.0 8.7 0.92 0.23 0.03 0.06 0.01 0.16 8.6 1.90 0.0 0.07 0.01 0,87 0.21 0.03 0.17 8.4 0.0 1,85 0.15 0.88 0.23 0.03 0.07 0.01 0.0 8.1 1.95 0.86 0.23 0.03 0.07 0.01 0.14 7.9 1.90 0.6 0.01 0.87 0.21 0.03 0.07 0.15 1 0.0 7.8 1,75 0.03 0.07 0.01 0.86 0.20 0.13 1.90 0.0 8,5 0.89 0.21 0.03 0.06 0.01 0.13 8.5 1.85 0.0 0.01 0.98 0.23 0,03 0.06 0.14 0.0 8.4 1.95 0.05 0.01 0,21 0.03 0.13 0.94 η. 8,8 1.65 0.0 0.97 0.21 0.03 0.07 0,01 0.15 1.92 0.0 8,9 0.01 0.08 0.87 0.20 0.03 0.05 Rainfall 7.9 #DIV/01 #DIV/01 Monthly Minimum 0.07 0.01 0.87 0.22 0.03 0.10 AVERAGE

Disinfectant Chloramines? (Y/N)

N

A ARMINABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

03/2013 OF 11

	TOTAL	No:	3	No:	4	No:	- 6	No:	6	No:	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	PILT RUN
DAY	GALLONS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS
,i	. 0								- 3275		- West
els.	30,000					15,000	98.50	15,000	98.50		200
	0,	69-11-1-12		5 ago - 1 - 541.5		- Promotolica			وأندروا		
	0							- 12			
6.0	30,000	15,000	115	15000.00	115						
V.	0	granica inc			0.000 (0.14)	7, 72					
7	42,000					23,000	106.90	19,000	106.90		200
	0										ļ.,
	28,000	14,000	90.40	14,000	90.40		Property.				
10.	0			C. Add Cal							(10 m)
10.00	40,000				0.00	20,000	96.70	20,000	96.70		
12	0				F 4 SH - 9 SH						
10	31,000	16,000	94,80	15,000	94.80					annico a nace	
10.	D										Link.
15	36,000		= =			18,000	100.00	18,000	100.00		1000
15	0								Walter St.		
17.	0										200
46.	35,000	18,000	104.30	17,000	104.30			Charlestings	(41) - 100 (618)		
	0			2 (2 ) S	8		STATE OF THE STATE				
26	30,000					16,000	97.20	14,000	97.20		Dist.
20	0										
	36,000	18,000	99,20	18,000	99.20			- Xº			
	0							V 320			
	40,000			ie mearcean		20,000	103,20	20,000	103.20		
	0	Ezeri								entak ing	
26	31,000	16,000	100.50	15,000	100.50						
27	31,000	10,000	100,000	10,000							osone.
		1. (200	MH RUEN			15,000	90.80	16,000	90.60		4 3,54
28	31,000								1		
29	0 000	4E 000	95.60	15,000	95.50						
30	30,000	15,000	\$0.00	13,000	00.00						
(50)	0	440.000	700.00	109,000	700.10	127,000	693,30	122,000	693.10	0	0.00
TOTAL	470,000 15,161	112,000 16,000	100.029		100.014		99.043		99.014	#DIV/01	#DIV/

VS Name:		EXCEEDANCE REPO artin County Water Distr				
/SID:	KY0	800273				
ANT ID:		A 03/20	013			
oort Period (MM/YYY)						
any filter exceed so listed on the appropriate re	Summary Shee	he individual filter t et ), complete the fo	urbidity trigg llowing and	gers below, submit		PAGE 9 OF
Date	Filiar Number	Purhlatey Reading (NTO)	Trigger Lavett below):	gay Followy for Exce	adance (If known)	Title of the There Sugar was discussed
						1 1000
	7		Maria de Caración			
		+				
			<u></u>			

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

For Trigger B.:

obvious reason for the exceedance Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger C.: For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

pws id K	Y0800273		MONITORING PERIOD (MMY	yyy) 03/2013
	NOTE	mmuma sa	APPLICABLE FIELDSIII NOT ALL O POPULATED FOR YOU!!!	OF THE FIELDS ARE PRE-
PLANT ID A PLANT NAME AGENCY INTEREST	Martin County Water Dis	APPLICABLE T TO trict AV	ORMATION O ALL PLANTS TAL WATER TREATED (gallons) E. DAILY PRODUCTION (gallons) XIMUM PUMPAGE (gallons per day)	59,381,000 1,914,871 2,000,000
			FELDENT TURBIDITY ANTS WITH FILTRATION	P. C.
Were measurements r Was there a failure of If Yes, (1) were in (2) was the Was individual filter le	continuously monitoring equivel greater than 1.0 NTU in twicel greater than 0.5 NTU in twicel greater than 1.0 NTU in twicel greater than 1.0 NTU in twicel greater than 2.0 NTU in twicel	ulpment? (Y/N) grab samples collect ipment repaired with vo consecutive meas		Y/N)N
COMBINE	DELLER BEFORENCE NUR TO ALL PLANTS WITH FIL	BIDLIFY	ENTRY POINT RESIDUAL DISINFE. APPLICABLE TO AL	
Number of samples ta Highest single turbidity For all filtration except Number of sample	very 4 hours of plant operations of plant operations of reading slow sand filtration: s exceeded 0.1 NTU sexceeded 1 NTU sand filtration: s exceeded 1 NTU	720.0 on? (Y/N)	ANALYTE CODE  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples reco Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pree Chlorine (for all disintectants exception Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine)  Number of samples under 0.5 mg/L	olant operation? (Y/N) it chloromine):
CHLORING L APPLICABLE TO	PLANTS UTILIZING CHLO	NIPORING WEST	CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZ	MONITORING
ANALYTE CODE Number of days of pla Were samples taken of Number of samples ta Highest single chloring	1008 nt operation each day of operation? (Y/N) ken	31 0 0.00	ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operat Number of samples taken Highest single chlorite reading Number of chlorite samples exceeded 1	0.00

I cartify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,89-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

04-17-2013 Date

## MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800273		MONITORING PERIOD (I	имүүүү) 03/2013
AI <u>2987</u>		APPLICABLE FIELDSIII NOT A POPULATED FOR YOU!!!	
na includio de la PUROH	THE PARTY OF THE P	1.380	Beneau Armenia
		L WATER SYSTEMS	
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0		
KY0980575	0	- Autobia	Received and the Parket
		(1) (1) (1) (1) (1) (1) (1) (1)	Oliman.
	10.10.20	1 TO	
	Name of the second seco	7	
	and the second s		-
	and the second s		
		91 Mar. 116 Mar.	
	and the second second		THE RESERVE OF THE PARTY OF THE
<del></del> -			1 <del></del>
-	- And Tolking		
	curielle und any	- <del>1</del> 4	Miles de la
7	The State Court of the State of		
	- Industrial Control of the Control	l losse	
		INFECTANT CONCENTRATION AF	
	APPLICABLE TO A	LL WATER SYSTEMS	
ANALYTE CODE 0999		والمراجع المراجع	1.11
Number of days of operation	31	Free Chlorine (for all disinfectants e	4.00 Access 6.00 ft 10.00 Co.
Were samples taken each day of op	eration? (Y/N)	Number of samples under 0.2 m	TO SECURE A PROPERTY OF THE PR
Number of samples taken:		Total Chlorine (when disinfectant is	243004192195235000
FREE	124	Number of samples under 0.5 m	g/L
TOTAL	124		
Lowest single FREE chlorine reading			
Lowest single TOTAL chlorine readli	ng 0.30		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

04-17-2013

PWS ID : PLANT ID:

REPORT MONTH/YEAR: PAGE

03/2013

	RAW WATER	HOURS PLANT	COAGU	LANT	COAGL	LANT	PULGA Hq	STMENT	DISINFE	GTANT	DISINFE	TANT
	TREATED	OPERATED				MAR	LBS Pr	PPM	LB9 Pn	o PPM	LBS Pot	t. PPM
DAY	GALLONS	1	LBS	РРМ	LB9		LBS	PPM				
	1,967,000	24.0	395.7	24.1	4.2	0,3			323.6	19.7	183,2	11,2
2	1,936,000	24.0	395.7	24.5	4.2	0.3			320.2	19,8	183.2	11.3
3	1,972,000	24.0	395,7	24.1	4.2	0.3			328.0	19.9	183.2	11.1
4	1,983,000	24.0	395.7	23,9	4.2	0.3			341,3	20.6	183.2	11.1
5	1,972,000	24.0	395.7	24,1	4,2	0,3			323.6	19.7	183.2	11.1
6	1,997,000	24.0	395.7	23.8	4.2	0.3			323,6	19.4	169.2	10.2
7	1,992,000	23.0	379,2	22,8	4.0	0.2			323.6	19.5	169,2	10.2
8	1,989,000	24.0	395.7	23,9	4.2	0,3			341.8	20,6	169.2	10.2
9	1,887,000	23.0	379.2	24.1	4.0	0.3			327.8	20.8	162.2	10.3
10	1,991,000	24,0	395.7	23.8	4.2	0.3			341.3	20.6	169.2	10.2
11	1,572,000	21.0	344.4	26.3	3.7	0.3			287,5	21.9	148,1	11.3
12	1,966,000	24.0	395.7	24,1	4.2	0.3			323.6	19.7	169.6	10,3
13	1,672,000	20.0	329.8	23.7	3.5	0.3			279.5	20.0	141.0	10.1
14	1,960,000	24.0	395.7	24.2	4.2	0.3			341,3	20,9	169.2	10.4
15	1,948,000	24.0	395.7	24.4	4.2	0.3			341.3	21.0	169.2	10,4
16	1,993,000	24.0	395.7	23.8	4.2	0.3			341.3	20.5	169,2	10.2
17	1,808,000	21.0	346.3	23.0	3.7	0.2			300.8	20.0	143.6	9.5
18	1,713,000	20.0	329.8	23.1	3.5	0.2			294.1	20.6	136.5	9.6
19	1,992,000	24.0	395.7	23.8	4.2	8.0			341.3	20.5	163.9	9.9
20	1,929,000	23.0	379.2	23.6	4.0	0.2			332.4	20.7	161.0	10.0
21	1,994,000	24.0	395,7	23.8	4.2	0.3	- 1		302.9	18,2	159.8	9.6
	1,937,000	24.0	395.7	24.5	4.2	0.3			311.6	19.8	184.3	10.2
12	2,000,000	24.0	395.7	23.7	4,2	0.3			339.1	20.3	169.2	10.1
23						0.3			325.7	20.3	169.2	10.5
24	1,927,000	24.0	395.7	24.6	4.2				300.8	21.2	169.2	11.9
25	1,705,000	21.0	344,4	24.2	3.7	0.3						
26	1,935,000	23.0	379.2	23,5	4,0	0.2			310.1	19.2	169.2	10.5
27	1,954,000	24.0	395.7	24.3	4,2	0,8			331.2	20.3	169,2	10.4
2B.;	1,936,000	24.0	395.7	24.5	4.2	0.3			326.2	20.2	169.2	10.5
29	1,963,000	24.0	343.0	20,9	4.2	0.3			309.7	18,9	169.2	10.3
30	1,938,000	23.0	303.4	18.8	4.0	0.2	1		291.9	18.1	162.2	10.0
3100	1,833,000	22.0	277,0	18,1	3.9	0.3	0.0		251.2 9877.9	16,4	155.1 5151.8	10.1
VERAGE	59,361,000 1,914,871	Printer	11653.1 375.9	28.5	125.9 4.1	0.3	0,0 #DIV/0I	#DIV/0I	318.6	20,0	166.2	10.4

1,914,871 2,000,000 APPLICABLE TO ALITH ANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2013

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	DISINFEC	TANT	FLUOR	IDE	CARB		MICAL & ADDEL pH ADJU		KMn	ο,	CORRO INHIBI	270203000 TEXAS	A 27	
							Pos	а	7				T T	
DAY	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
	506,9	30,9	60.9	3.7										
	503.4	31,2	60.9	3.8				S. S. Hiller		11 1 11 11	, 10 mg			
	511.2	31.1	60.9	3.7						7 16 31	4			
	524.5	31.7	60.9	3.7							*1 200			
6	506.8	30.8	60,9	3,7					3.0					
6	492.8	29.6	60.9	3,7										-
7	492.8	29,7	58,4	3.5									10.00	
	510,4	30,8	60,9	3.7										
9	490.0	31,1	58,4	3.7										
10	510.4	30.7	60,9	3.7										Con-
11	435.6	33.2	53,3	4.1										
12	492.8	30.1	60.9	3.7										
13	420,5	30.2	50.8	9,6										
14	510,5	31,2	60.9	3.7	1.18.00							2000		
16	510.5	31.4	60.9	3,7									2504	
	510.4	30.7	60.9	3.7										
	444.4	29.5	53,3	3,5	100000000000000000000000000000000000000					100000000			20 2006	
19	430.6	30.1	50.8	3.6		<b>6</b> 11/173390								100
195	505.2	30.4	60.9	3.7	Large									
20	493.4	30,7	58.4	3.6				0.000						
21	462.3	27.8	80.9	3.7										
22	475.9	29,5	60.9	3.8										
	508.2	30,5	60,9	3.7										
200	494.9	8,08	60,9	3.8										
18	469.9	33,0	53.3	3.7						3 mag				
	472,3	29.3	58.4	3.6										
	500.4	30.7	60.9	3,7										e i e dit
28	495.4	30,7	60,9	3.8							1. m. m. 2			
. 0	478,9	29,3	60.9	3.7										
.,	454,1	28.1	58.4	3.6					140000				2000	
	406.3	26.6	55.8	3.7			1							
TOTAL	15,021.8		1,827.2		0.0		0,0	1,2,2	0,0		0.0	1.55.5	0.0	
WERAGE	484,8	30.4	58,9	3.7	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/0]	#DIV/QI	#DIV/

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

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		рН		TO ALKAI	AL		TAL NESS	TOT	CHLORINE OF	RESIDUAL PLA	NT		TURBIDITY (N	
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	rer Free	TOTAL	VP FREE	RAW	SETTLED WATER	PLANT TAP
	7.57	7.26	7.21	30	27	70	69	0.64	0.56	1.85	1.78	13.70	0.21	0.06
	7.44	7.30	7,25	32	29	74	71	0,66	0.58	1,82	1.77	12.50	0.21	0.07
3	7.62	7.30	7.25	20	19	70	68	0.75	0.65	1.91	1.86	11.70	0.23	0.06
	7.53	7.30	7,18	21	19	72	70	0.80	0,71	1.88	1.81	11,80	0.23	0.07
6	7.51	7,22	7.13	23	20	73	71	0.74	0.66	1,93	1.86	11,70	0.23	0.07
8	7.35	7,27	7.21	28	25	70	69	0.70	0.62	1,78	1.72	14.10	0,26	0.06
	7.59	7.35	7.28	27	24	68	68	0,67	0.59	1,72	1.65	13.60	0,26	0.07
e e	7.50	7.30	7.19	29	28	70	68	0.74	0,66	1.90	1.83	12.30	0.23	0.06
9	7.49	7.33	7.17	28	25	71	70	0.71	0.63	1.93	1,87	12,20	0.20	0.07
10	7.48	7,32	7.18	29	28	72	70	0.74	0.67	2.01	1.93	12.10	0.20	0.07
11.	7.48	7.20	7.07	28	25	71	64	0.70	0.83	1.94	1.87	12.00	0.21	0.07
12	7.44	7.19	7.14	29	28	75	73	0.67	0,60	1.91	1.84	12.40	0.22	0.06
13	7.41	7.26	7.20	32	31	78	76	0.71	0.64	1.86	1.80	12,30	0.21	0.06
14	7.41	7.25	7,18	36	35	79	77	0.74	0.67	1.95	1.88	11,70	0.24	0,06
18	7.61	7.34	7,24	22	21	77	74	0.78	0.69	1.91	1.84	11.30	0.26	0.06
18	7.69	7.52	7.37	34	34	84	82	0.75	0.68	1.91	1.83	9.92	0,30	0,07
17	7.68	7.53	7.33	35	34	85	84	0.77	0.69	1.90	1.84	9.91	0.26	0.06
18	7.67	7,42	7,22	36	35	84	83	0.76	0.68	1.84	1.77	9,90	0.27	0.07
19	7.14	7.45	7,27	38	37	86	85	0.72	0.64	1.84	1.77	8.94	0.23	0.07
20	7.72	7.56	7.40	38	36	74	71	0.77	0.69	1.87	1.79	9.85	0.21	0.06
41	7.80	7.52	7.44	41	40	104	100	0.75	0.68	1,79	1.74	10.00	0.22	0.07
72	7.81	7,51	7.44	42	41	105	103	0.68	0.61	1.86	1.79	10,10	0.22	0.07
2.5	7.76	7.61	7.47	43	41	106	104	0.75	0.67	1.90	1.82	9.80	0.22	0,08
24	7,67	7.48	7,39	44	42	107	105	0.69	0.61	1.89	1.82	9.70	0.21	0.07
2.5	7,63	7.51	7.37	46	43	109	107	0.72	0:63	1.89	1.82	10.30	0.23	0.07
2B	7,62	7,47	7.37	47	46	112	110	0.74	0.66	1.95	1.87	10.70	0.22	0.07
27.	7.75	7.59	7.49	37	34	89	87	0.80	0.72	1.93	1.86	10.80	0.21	0.07
26	7.84	7.57	7.50	44	42	85	84	0.82	0.72	1.89	1.80	11,30	0.21	0.07
	7.79	7.56	7.46	41	39	80	77	0,71	0.63	1.89	1.81	10.90	0.23	0.06
30	7,71	7.57	7,46	44	42	87	86	0.77	0.67	1.90	1.81	10.60	0.24	0.06
31	7.72	7,46	7.39	40	38	85	83	0.73	0.64	1.97	1,91	10.20	0.23	0.06
VERAGE	7.6	7.4	7.3	34	33	83	81	0.73	0.65	1,89	1.82	11.24	0.23	0.07

ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTHIYEAR: 03/2013

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		MICALS ADDED			morel		ESULTS :HLORINE RESIDUAL			
	CHLORINE BOOSTER	CHLORINE BOOSTER	N	ORTH		(I) WAD LIKEE (L) C	EAS	π	WE	
)AY	LBS	LBS	T	F	Υ		T.	F	<u> </u>	F
	5.8		1.44	1,39	1.08	0.97	1.40	1,36	1.04	0,98
	5.8		1.78	1.73	1.71	1.66	1.63	1,60	1.41	1.36
	5.8		1.62	1.58	1,75	1.71	0.88	0.83	0.79	0.74
	5,8		1,28	1.10	1,41	1,34	1,54	1.45	1.29	1.20
	5.8		1.48	1,43	1,04	1,01	1,18	1.17	1,33	1.29
	5,8	l l	1,54	1,50	1,36	1,31	1.50	1,45	1.16	1.14
	5,8		1.28	1.25	1,30	1.26	1,03	88,0	1,20	1,18
	5,8		0.82	0,75	1.43	1.34	0.84	0.82	1.35	1,32
	5,8		1,62	1.58	1,69	1.65	1.74	1.68	1.53	1.48
•	5.8	L	1.82	1,79	1.74	1.69	1.87	1.77	1,82	1.77
ķ.	0.0		1,59	1.43	1,58	1.50	1,32	1,25	1.70	1,64
	0.0		1,45	1,44	1.08	1.04	1.50	1.47	0.92	0.82
	5.8	<u> </u>	1.52	1,43	0,38	0.37	1,45	1,40	1,22	1.18
	5.8		1,60	1,55	1,33	1,31	0.51	0.44	1,70	1,61
6	0.0		1.33	1,28	1,30	1.27	1,56	1.49	0.78	0.69
	5.8	l	1.49	1.42	1,69	1,63	0.86	0,80	1,09	1,08
	0.0		1,59	1,53	1.61	1.58	0.86	0.48	0,30	0.24
li.	0,0		1,51	1.33	1.24	1,17	1.52	1,47	1,23	1,15
(1) (1)	5.8		1,46	1,35	0,91	0.87	1.33	1,30	1,27	1.26
	5.8		0.74	0.69	0.86	0.77	1.54	1,49	0.99	0,96
ľ	5,8		1.28	1.21	1,39	1,37	1,48	1.39	1,33	1.28
1	5,8		0.97	0.89	1,25	1,20	1.06	1,00	1.24	1,18
0	0,0		1.66	1,65	1,73	1.67	1.86	1.78	1.73	1.68
112	0.0		1,83	1,77	1,38	1,27	1,73	1.70	1.76	1,69
16.	5.8		1.58	1.37	1,67	1.64	1,67	1.59	1.31	1.20
ć.	5.8		1.39	1.34	1,24	1.17	1,44	1,37	1.01	0.92
	5,8		1,17	1,13	1,07	1,04	1,81	1.79	1.02	1.00
28	5,8		1,53	1,43	1.70	1.67	1.40	1,38	1,50	1.48
10	5.8		1,31	1.26	1,25	1.19	1.06	0.99	0.97	0,88
30	0.0		1.75	1,74	1,73	1.68	0.65	0.60	1.02	0.97
81	6.8		0,74	0.69	0.86	0.77	1.54	1,49	0,99	0,90
HARE	4.3		verage 1.42	1,35	1.35	1,29	1.34	1.28	1.23	1.1
AL	134.3	0.0	offii Infimire 0.74		0,38		0.51		0,30	0.2
		, w	ed Indepuns	0,69	1	0.37	a1 a1	0.44	3	di mananana

0.24

0.30

Number of Free Residuals
Number of Total Residuals
Total # Less than 0.2 mg/L

# Less than 0.2 mg/L

# County Monthly Free Residuals

Total # Less than 0.2 mg/L

Total # Less than 0.5 mg/L

Disinfectant Chlorownhas? (Y/N) Number of days of operation?

N 31

		650000000000000000000000000000000000000				waiu.	KYU80	12/3	Service V. S.
J	URBIDITY	REPORT			Р	LANT ID:	A		
	APPLICAB	LE TO ALL PI	ANTS WITH FI	LTRATION	Report Period (N	/IM/YYYY):	03/20	13	PAGE:
PWS N	ame:	Martin	County Water	District	. ,	100			8 OF 11
DAY	atous have	Formurbially Samples Required!	100	Autro-Brain	Follows in the second				Daily Maximum
400	24,0	<del>Gamples Asquiso</del>	0.06	0.06	0.06	0.06	0.06	0.06	0.064
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
	24.0	6	0.06	0.06	0.06	0,06	0.06	0.06	0.058
	24.0	6	0.06	0,06	0.06	0.06	0,10	0.06	0.096
	24.0	6	0,06	0.06	0.06	0.06	0.06	0.06	0.060
	23.0	6	0.06	0.07	0.06	0.06	0,06	0.06	0.070
	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.057
3.1	23.0	6	0.06	0.06	0.06	0.06	0,06	0.06	0.061
10	24.0	6	0.06	0.05	0.05	0.05	0.06	0.05	0,055
	21.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
	24,0	6	0.06	0.06	0,06	0.06	0,06	0.06	0,057
13	20.0	5	0.06	0,06	0.06	0.05	0,06	0.06	0.057
	24.0	6	0.05	0.06	0.05	0,05	0.05	0.05	0.060
	24.0	6	0.05	0,05	0.05	0.05	0.05	0.06	0.060
	24,0	б	0.06	0,06	0.05	0.05	0,06	0.06	0.063
	21.0	6	0.06	0.09	0.06	0.06	0,06	0.06	0.094
16	20.0	5	0.07	0,10	0.07	0.07	0,06	0.07	0.099
	24.0	6	0.07	0,07	0.07	0.06	0.06	0.06	0.070
26	23.0	6	0.07	0,07	0.06	0.06	0,06	0.06	0.070
	24,0	6	0,06	0.06	0.06	0.06	0.06	0.06	0.062
	24.0	6	0.07	0,06	0.07	0.07	0.07	0.07	0.072
100	24.0	6	0.07	0.07	0.07	0.07	0.07	0.07	0,069
24	24.0	6	0.07	0,07	0.07	0.06	0.06	0.06	0.068
25	21.0	6	0.06	0.06	0.06	0.06	0,06	0.06	0.061
36	23.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0,070
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
	24.0	6	0.07	0,07	0.07	0.06	0.05	0.05	0,071
20	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
	23.0	6	0.05	0.05	0,05	0.05	0.05	0.06	0.060
	22.0	6	0.06	0.06	0.06	0.06	0.06	0.05	0.057
Yotal	720,0	184	0.00		CONTRACTOR	# OF TURBIDITY	Contracting Conductive Co.	186	0.099
200000000000000000000000000000000000000	TABLE TABLE TAXABLE PROPERTY.		AL or DIRECT FIL	TRATION? (Y	private processor and a second				
(Any type	of filtration besides si	low sand)	2						
	er of samples ex	enance of the second second	0.1 NTU		0.3 NTU	0	1 NTU_	0	
F	or slow sand filt	ration, the numb	er of samples ex	ceeding>	i ntu_		5 NTU_		
		11 5 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oles Required" is	the number of	hours the plant operat	ed divided by 4	rounded		
A A Section	ne next whole nu	PART IN THE STATE OF				924	S S W Down	N. K. SONA	
I certify	y that the above	turbidity readi	ngs were taken	every 4 hours	during plant operation		me frames noted カ4/- /フェル		
9	Signature of Princi	pal Executive Off	icer or Authorized	Agent			Dat		
100		PERSONAL PROPERTY OF THE PARTY			PAGE STATE OF THE	The second state of the se			

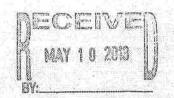
387 E Mala S. CATER DISTRICT



Division of Water Compliance and Technical Assistance Branch 200 Fair Oaks Ln, 4th Floor Frankfort, KY 40601

Phone: 502-564-3410





## KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT DEP Form 4012R	H & YEAR (mm/yyyy) 04/20	***************************************	ndicate one with "X"		SROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID ;	KY0800273 PLA	NTID: A	PLANT NAME:		Martin County Water District
PWS ID :         KY0800273         PLANT ID: A         PLANT NAME:         Martin County Water District           PWS NAME:         Martin County Water District         PLANT CLASS: 3         DIST. CLASS: 2           ENCY INTEREST (AI):         2987         DATE MAILED:         05 - 08 - 20 / 3           SOURCE NAME:         Crum Reservoir         COUNTY:         Martin           Tug Fork           OPERATOR(S) RESPONSIBLE / IN-CHARGE         CLASS         CERTIFICATION NUMBER           WTP SHIFT 1:         Earl T Alley         1V-A         17562           WTP SHIFT 2:         Michael Sartin         1V-A         21944           WTP SHIFT 3:         Jerry L Belcher / Justin L Blackburn         1V-A / 111-A         21719 / 16310           DISTRIBUTION:           THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE           NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.    REATMENT PLANTS COMPLETE:					
SENCY INTEREST (AI):	2987		DATE MAILED:	ک	15-08-2013
SOURCE NAME:	Crum Reservoir		COUNTY;	2	Martin
	Tug Fork			_	
X T. J. Shirt Agent	OPERATOR(S) RESPONSIBLE / IN-CHARGE CLASS CERTIFICATION NUMBER  WTP SHIFT 1: Earl T Alley 1V-A 17562  WTP SHIFT 2: Milchael Sartin 1V-A 21944  WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  EATMENT PLANTS COMPLETE:  ESIGN CAPACITY (gpm): 1,967  (PE OF FILTRATION USED: DUBI Medilis  ESIGN FILTRATION RATE (gpm/sq. ft.): 2.66				
	Tug Fork OPERATOR(S) RESPONSIBLE / IN-CHARGE CLASS CERTIFICATION NUMBER WTP SHIFT 1: Earl T Alley 1V-A 17562 WTP SHIFT 2: Michael Sartin 1V-A 21944 WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310 DISTRIBUTION: THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.				
WTP SHIFT 2:	CY INTEREST (AI):   2987   DATE MAILED:   O.5 - 0.8 - 2.0   3     SOURCE NAME:   Crum Reservoir   COUNTY;   Martin     Tug Fork				
WTP SHIFT 3;	Jerry L Belcher / Justin L Blackb	ourn 1	/-A / 111-A		21719 / 16310
TREATMENT PLANTS		'S AFTER T	HE END OF T	IE M	ONTH:
1. DESIGN CAPACITY (gpm)		1,667			
2. TYPE OF FILTRATION US	ED: 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		8 3		
3. DESIGN FILTRATION RAT	E (gpm/sq. ft.):				
4. PERCENT BACKWASH W					
5. DATE FLOCCULATION BA	ASIN(8) LAST CLEANED: #2 -	3/18/10 #3 -	9/2/ 09		
6, DATE SETTLING BASIN(S	) LAST CLEANED:				
		ing logic Threat			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

05-07-2013

DATE



PWS ID : KY0800273
PLANT ID: A

PLANT ID: A

REPORT MONTH/YEAR: 04/2013

PAGE 1 OF

1990				TTTO DOMESTIC COUNTY					PAGE		OF.	
	RAW WATER	HOURS PLANT	COAGU	LANT	COVER	LANT	pH ADJUS		DISINFE		DISINFEC	
YAY	TREATED GALLONS	OPERATED	LBS	PPM	LBS	PPM	LBS Pn	PPM	LBS Pro	PPM	Pos LBS	PPM
	1,935,000	24.0	237.4	14.7	4.2	0.3			294.4	18.2	169,2	10.5
2	1,741,000	24.0	237.4	16.3	4.2	0.3			252.3	17.4	169.2	11.7
	1,991,000	24.0	237.4	14.3	4.2	0.3			306.6	18.5	169.2	10.2
	1.941,000	23.0	227,5	14.1	4.0	0.2			278.6	17.2	169.2	10.5
5	1.851.000	22.0	217.6	14.1	3.9	0.3	11		277,2	18.0	155,1	10.0
6	1,556,000	19.0	187.9	14.5	3.3	0.3			288.7	22.2	134.0	10.3
,	1,982,000	24.0	237.4	14,4	4.2	0.3			341.3	20.6	169,2	10,2
8	1,939,000	24.0	237,4	14.7	4.2	0.3			334.6	20,7	169.2	10.5
9	1,966,000	24.0	237.4	14.8	4.2	0.3			306.6	18.7	169.2	10.3
0	1,824,000	22.0	217.6	14.3	3.9	0.3			291.0	19,1	169.2	11.1
1	1,891,000	23.0	227,5	14,4	4.0	0.3			295.2	18,7	162.2	10.3
2	1,871,000	23,0	227.5	14.6	4.0	0.3			280.5	18.0	162.2	10.4
3	1,978,000	24.0	237.4	14.4	4,2	0,3			326.0	19.8	175.6	10.6
	1,920,000	24.0	237.4	14.8	4.2	0.3			336,8	21.0	174.1	10.9
5	1.835,000	22.0	217.6	14.2	3.9	0.3			316.5	20.7	155.1	10.1
	1,734,000	22.0	217.6	15.0	3.9	0.3			298,1	20.6	155,1	10.7
17	1,992,000	24.0	237,4	14.3	4.2	0,3			290.7	17.6	169.2	10.2
В	1.855,000	22.0	217.6	14.1	3.9	0.3			290.3	18.8	169.2	10.9
	2,012,000	24.0	237.4	14.1	4.2	0.3			307.9	18,3	169.2	10.1
(9)	1,832,000	21.0	207.7	13.6	3.7	0.2			274.4	18.0	154,4	10.1
20		24.0	237.4	14.4	4.2	0.3		Alexa A	330.4	20.0	183.2	11.1
21	1,980,000	24.0	237.4	14,7	4.2	0.3			336.8	20.9	183.2	11,3
22	1,937,000	23.0	227.5	14.4	4.0	0.3			323.7	20.5	175,5	11.1
23	1,890,000	23.0	227.5	14.6	4.0	0.3			300.7	19.3	175.5	11,8
24	1,866,000		237.4	14.4	4.2	0.3			322.6	19.6	183.2	11.
25 25	1,976,000	24.0	The Horizon Tuesday	13.9	3.9	0.2			301.3	19.3	167,9	10.8
	1,872,000	22.0	217.6		4.2	0.3			316.8	19.1	183.2	11.
27	1,988,000	24.0	237.4	14.3	3.9	0.3			316.5	20.6	167.9	10.
28	1,845,000	22.0	217.6	14.1	4.0	0.3			330.0	20.8	176.5	11.
29	1,899,000	23.0	227,5	14.4					325.1	20.7	170.5	10.8
10	1,885,000	23.0	227.5	14.5	4.0	0.3			VES.			
31 OTAL	56,784,000		6834.9		121.1		0.0	Alban Val	9191.8	19.4	5054.4 168.5	10.
VERAGE	1,892,800	State Sec	227.8	14.4	4.0	0.3	#DIV/01	#DIV/01	306,4	18.4	130.5	1.00

2,012,000

APPEICABLE TO ATL PLANTS ____

PWS ID: KY0800273

PLANTID: A

REPORT MONTH/YEAR: 04/2013

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	DISINFE	CTANT	FLUC	RIDE	CAF	RBON	PH AD	JUSTMENT	КМ	nO ₄	CORR	OBION BITOR		
							P	ost	with the same	1				
DAY	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	Las	РРМ	LBS	PPM	LBS	PPM
1	463.5	28.7	60.9	3.8	2000						0.00		224.161	
2	421.5	29.0	60.9	4.2	Mary State			200			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	475.8	28.7	60.9	3.7										
	447.8	27.7	58.4	3.6										
	432.3	28.0	55.8	3,6										
	422.6	32.6	48,2	3.7					<b></b>					
	510,4	90.9	60.9	3.7										
8	503.8	31.2	60,9	3.8								w(		
	475.8	29.0	60.9	3.7				and a						
10	460.2	30.3	55,8	3.7							A 100 A 100			100
11	457.4	29.0	58,4	3.7										
12	442.7	28.4	58,4	3.7	15 X X Z					غمنشي				
l)	501,6	30,4	60.9	3,7	in there									
ija)	511,0	31.9	60,9	3.8	in a second	T.								
15.,,	471,6	30,8	55,8	3.6										
10	453,2	31.3	55,8	3.9	4									
T.	459,9	27.7	60.9	3.7								M	2000	
18	459,5	29.7	55.8	3.6										JES AV
10	477.1	28.4	60,9	3.6								T. Hair	737	
20	428.8	28,1	53.3	3.5						5.00				
	513.7	31,1	60.0	3.7										
. 2	520.1	32.2	60.9	3.8			<u> </u>					100000		
24	499.2	31.7	68.4	3.7									0.000	elionity.
24	476.2	30.6	58,4	3.8								: Michael		
95	505.8	30,7	60.9	3.7							100			
en.	469.2	30,1	55,8	3,6						22				
27	500.0	30.2	60,9	3.7										2
28	484.4	31,5	55.8	3.6						- A			SIXE // IEAR	
2:0	505.5	31.9	58.4	3.7	la en la					anners suum		Taran Menil		
30	495.6	31.5	58,4	3.7										
31 IOTAL	14,246.2		1,763,5		0.0		0.0	0.00	0.0		0.0		0,0	
VERAGE		30,1	58,5	3.7	#DIV/01	#DIV/01	#DIV/QI	#DIV/0I	#DIV/01	#DIV/01	#DIV/0!	#DIV/01	#DIV/01	#DIV/0

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

04/2013

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		pH TOP OF		TO'I ALKAI	AL,	TOT HARD	AL	TOP FIL'	OHLORINE OF	E SPECIFIED RESIDUAL PLA TA	NT		TURBIDITY (N	TU) PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7,64	7,62	7.45	49	46	97	96	0.76	0,68	2.03	1.97	9,89	0.25	0.07
2	7,62	7,57	7.42	48	47	98	96	0.69	0.62	2,00	1.94	9.88	0.22	0.07
Y.	7,75	7.82	7.53	44	42	97	94	0.72	0.63	1.87	1.81	9.33	0.25	0.06
4	7.78	7.62	7.53	47	45	93 .	90	0.78	0.69	1,88	1.80	8.99	0.24	0.06
6	7,71	7.57	7,43	43	41	95	92	0.70	0.62	1.87	1,80	8.86	0.22	0.05
8-	7,76	7.48	7,34	44	42	96	94	0.78	0.70	2.09	2.03	8.83	0.22	0.06
r.	7,71	7,39	7.24	45	43	97	95	0,80	0.71	2.08	2.00	8.81	0.21	0.06
ij	7.72	7,42	7.28	47	46	98	95	0.80	0.72	1.96	1.88	8,73	0.21	0.06
Q	7.53	7.48	7.39	48	46	97	96	0.68	0.80	1,83	1.75	7,56	0.22	0,06
10	7,69	7,53	7,44	40	38	87	85	0.74	0.65	1,92	1,82	7.05	0.21	0.06
11/	7.65	7,54	7.44	47	43	79	77	0.74	0.64	1.88	1,79	6.69	0.20	0.05
12	7.63	7.56	7.48	42	40	92	89	0.77	0.67	1.90	1,80	6,33	, 0.20	0.06
19	7.65	7,50	7.37	45	42	88	85	0.71	0.61	1.87	1.78	5.72	0.20	0.05
14	7.63	7.50	7,34	46	45	89	87	0,71	0.62	1.94	1.85	5.71	0.19	0,06
15	7.68	7.41	7.27	47	46	88	86	0.75	0.66	1.95	1,86	5.72	0,19	0.05
16	7.62	7,43	7.35	48	46	89	87	0.78	0,69	2.00	1.93	5.68	0,20	0.05
17	7.56	7.51	7.40	38	37	96	93	0.76	0.66	1,89	1,81	4.11	0.19	0,05
16	7.61	7.52	7.44	42	39	87	86	0.79	0.68	1,98	1.88	5.29	0.19	0.05
19	7.62	7.47	7.34	44	40	89	88	0.81	0.70	1.99	1,90	5.50	0.18	0.06
20	7.42	7.33	7.22	43	41	86	84	0.70	0.61	1,89	1.82	5,37	0.17	0.05
24	7,44	7.39	7.26	45	42	101	99	0.70	0.59	1.95	1.85	5.29	0.19	0.05
72	7,47	7.55	7.41	47	46	100	99	0.67	0.57	2.04	1,93	5.28	0.21	0.06
23	7.87	7.47	7.36	48	46	101	98	0.68	0.59	1.96	1,87	5,21	0.21	0.05
24	7.51	7.37	7.32	49	47	100	99	0.69	0,62	2.00	1,92	4.87	0,23	0.05
25	7.42	7.37	7.32	47	46	103	101	0,69	0.61	1.98	1.91	5.08	0,20	0.05
26	7.52	7,47	7.39	44	40	87	86	0.77	0.68	1.94	1.86	5.45	0.26	0.05
,	7.53	7.48	7.42	45	43	88	85	0.77	0.68	1.91	1,82	5,39	0.24	0.05
28				44	41	89	87	0.67	0.60	1.02	1.83	5,38	0.22	0,06
29	7.60	7.60	7.60	45	44	88	87	0.69	0.60	1.68	1.80	5.41	0.22	0.06
di)	7.60	7.45	7.41	44	43	89	86	0.66	0.58	1.91	1.82	5,46	0.29	0.06
31	e 7.6	7.5	7.4	45	43	93	91	0.73	0.64	1,94	1.86	6.56	0.21	0.06

## OPTIONAL INFORMATION -- Surface Water Plants Only

KENTUCKY DIVISION OF WATER
DRINKING WATER BRANCH
WATER TREATMENT PLANT MONTHLY OPERATION REPORT

KY0800273 PWS ID : PLANT ID: A
AGENCY INTEREST: 2987
REPORT MONTH/YEAR: 04/2013

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF 11

DAY	HAW DAILY		SEDIM		BASIN EFFL		ALYTICALI			CO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	L FILTER E				OFE DAILY
DAY	MAXIMUM	#1	#2	#3	1/4	#5	#6	#1	1/2	#3	#4	#6	#6	97	MAXIMU
1	9.89		0.27	0.30						0.05	0.06	0,14	0.13	E - 16	0.08
2	9.88		0.27	0.44						0.05	0.05	0.13	0.11		0.06
3	9.33		0.26	0.28						0.05	0,05	0.06	0.06		0.06
A	8.99		0.26	0.24						0.05	0.07	0.05	0.05		0.06
6	8,86		0.27	0.24						0.05	0.05	0.05	0.04		0.05
6	8.83		0.25	0.23						0.05	0.05	0.10	0.08		0.07
7	8.81		0.29	0,24						0.05	0.06	0.06	0,05		0.06
B	8.73		0,34	0,24						0.06	0.06	0.09	0.04		0.06
9	7.56		0.31	0.26	833					0.06	0.05	0.08	0.07	1201	0.06
10	7,05		0.26	0.30						0.05	0.05	0.10	0.06	2	0.07
11	6,69		0.24	0.23						0.05	0,05	0.06	0,05		0.06
12	6.33		0.24	0.21						0.06	0.05	0,06	0.05		0.06
10	5.72		0.21	0.27						0.08	0.05	0.10	0.05		0.06
1,4	5.71		0.24	0.23	150					0.06	0.04	0.08	0.05		0.06
15	5.72		0.21	0.22						0.05	0,05	0.05	0.05		0.05
18	5.68		0.22	0.24	3 (L. 14%)					0.06	0.05	0.05	0.04		0.07
17	4.11		0.22	0.34						0.06	0.05	0.05	0.05		0.05
18	5.29		0,18	0.44						0.05	0.05	0.08	0.06		0.06
19	5,50		0.20	0.24						0.05	0.05	0.06	0.05		0.06
20	5.37		0.20	0.19						0,06	0.04	0.06	0.05		0.08
21	5.29		0.19	0.24						0.06	0.06	0.07	0.05		0.06
24	5.28		0.22	0.27						0.06	0.05	0.07	0.06		0.06
28	5.21		0.28	0.23						0.06	0.05	0.06	0.05		0,06
2.4	4,87		0.33	0.24						0.07	0.06	0.07	0.05		0.06
25	5.08		0.24	0,22						0.06	0.05	0.07	0.05		0.08
26	5.45		0.35	0.29						0.06	0.05	0.07	0.06		0.06
27	5,39		0.24	0.28						0.06	0.05	0.05	0,05		0.06
26	5.38	10	0.23	0.27						0.06	0.06	0.08	0.05		0.06
29	5.41		0.23	0.24						0.07	0.07	0.11	0.05		0.07
10	5,46		0.45	0,46				100		0.06	0.06	0.17	0,07		0.08
31	6.6	#DIV/01	0.3	0	#DIV/01					0.06	0.05	80.0	0.06	#DIV/01	0.06

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWSID: PLANT ID: KY0800273 A

REPORT MONTH/YEAR:

04/2013

	FLUC	ORIDE	Access to a restrict of the second second	NAI/TICAL R		NGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREE
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.13	0.93	0,21	0.03	0.05	0.01			2,00	0.1	8,6
4	0,12	0.91	0,20	0.03	0,05	0.01			1.90	0,0	8.5
3	0.14	0.88	0.17	0.03	0.05	0,01			1,90	0.0	9,1
4 11	0,12	0.86	0.19	0,03	0.05	0.01			1.85	0.0	9.4
15	0.11	0.90	0,19	0.03	0.05	0.01			1.80	0.1	9.0
6	0.12	0,88	0.18	0.03	0,06	0.01			1.95	0.0	8.8
7	0.13	0.91	0.17	0.03	0.05	0.01			1.95	0.0	9.1
8	0.15	0.86	0,15	0.03	0.06	0.01			1,65	0.0	9.2
9	0.14	0,91	0.13	0.03	0.05	0.01			1.70	0.0	11.1
10	0.16	0,90	0.16	0.03	0.06	0.01			1.80	0.0	10.2
11	0.17	0.93	0.15	0.03	0.05	0.01			1.90	0.0	10,4
12	0.17	0.80	0,15	0,03	0,04	0.01			1.85	0.2	10.9
13	0.18	0.97	0.15	0.03	80.0	0.01			1,80	.0.0	11,0
14	0,17	0.95	0.14	0.03	0.07	0.01			1.95	0.0	10.9
В	0,15	0.89	0.13	0,03	0.07	0.01			2.00	0.1	10,8
16	0.13	0.96	0.12	0.03	0.06	0.01			1.85	0.0	11,1
17	0.22	0.96	0,11	0.03	60.0	0.01			1.80	1.1	11.6
18	0.15	0.95	0.13	0.03	0.03	0.01			1.80	0.6	11,5
(9	0.14	0.96	0,15	0.03	0.03	0.01			1.95	0.0	11.9
20	0.21	0.95	0.12	0.03	0.03	0.01			1.77	0.5	12.1
21	0.16	0.90	0.11	0.03	0.04	0,01			1.90	0.0	11.9
22	0,17	0.92	0,12	0.03	0.04	0.01			1.82	0.0	11.8
23	0.15	0.92	0.13	0.03	0.04	0.01			1.90	0,0	12.2
24	0.13	0.93	0.12	0.03	0.03	0.01			1.95	0.0	12.6
25	0,14	0.91	0.13	0.03	0.04	0.01			1,90	0.3	11.9
26	0.15	0.92	0.12	0,03	0.03	0,01		. 4	1.75	0.0	12.0
27	0,16	0.94	0.11	0.03	0,04	0.01			1.85	0.0	12.1
28	0.17	0.92	0,10	0.03	0.04	0.01			1.85	0,7	12.0
29	0.16	0.90	0.12	0,03	0.04	0.01			1.80	0.2	12.5
30 31	0,14	0,96	0.10	0.03	0.04	0.01			1.80	0.0	
ERAGE	0,15	0.92	0.14	0.03	0,05	0.01	#DIV/01	#DIV/01	Monthly Minimum	Total Rainfall	10.8
							Commission of the Commission o	of readings	1.65 30	3.79	

For Chloramines, # less than 0.5 mg/L

## APPEIDABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273 PLANT ID:

OF

11

REPORT MONTH/YEAR: 04/2013

PAGE

ELTER OPERATION

No: No: TOTAL No: No: No: AREA (square feet) WASHWATER AREA (square feet) WASHWATER 160 AREA (square feet) WASH WATER AREA (square feet) 160 AREA (\$1000'e Met)
WASHWATER 160 FILT RUN WASHWATER FILT RUN FILT RUN FILT RUN FILT RUN WASHWATER GALLONS GALLONS GALLONS GALLONS HRB GALLONS HRS GALLONS HRS DAY HRS HRS 16,000 99.00 15,000 98.90 31,000 17,000 19.80 17,000 19.80 34,000 0 30,000 15,000 100.20 15,000 100.20 0 17,000 90.50 17,000 90.40 34,000 0 104.70 15,000 104,70 30,000 15,000 0 82,10 14,000 82,10 12,000 26,000 0 92.00 16,000 92.00 17,000 33,000 0 18,000 102.80 18,000 102.80 36,000 0 15,000 90.90 14,000 90,90 29,000 0 91,10 13,000 91.10 13,000 26,000 48. 0 19 15,000 90.80 90.80 30,000 15,000 0 18,000 92.80 18,000 92,80 36,000 0 28 14,000 94.40 29,000 15,000 94.40 0 80.40 19,000 80.40 15,000 34,000 0 103,20 30,000 15,000 103.20 15,000 29 104.20 16,000 104,20 16,000 32,000 141,000 762.60 0 0.00 148,000 762.60 676.20 500,000 107,000 676.20 104,000 TOTAL #DIV/01 #DIV/01 84.733 15,667 84.733 16,444 96,600 96,600

14,857 **COPY AS NEEDED** 

16,129

AVERAGE

15,286

000000000000000000000000000000000000000	SCHOOL SECTION STREET,	and address of the state of the state of	H-00000
CONCREDE NO BOOK	X1428548-91000000	THE RESERVE OF THE PARTY OF THE	30000
650000000000000000000000000000000000000		100000000000000000000000000000000000000	328
COCCUSION (1) [2]	DOMESTIC PROPERTY.	SHARE WHEN SOME	20051
000000000000000000000000000000000000000		STEMS	6001

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 04/2013

PAGE OF 11 DISTRIBUTION SYDTEM DICHATON. TEST RESULTS CHEMICALS ADDED OHLORINE CHLORINE TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) BODS'TER BOOSTER NORTH SOUTH EAST DAY LBS LBS Т 5.8 1.83 1.48 1.44 1,39 1.29 1.70 1.34 1.24 0.0 1.09 1.03 1,13 1,11 1.16 1.10 1,07 1.04 1,31 1.26 0.80 0.76 1.16 1.05 1.09 1.02 0.0 1,60 1,53 1.35 1,27 1.64 1,61 1.63 1,56 0.0 0.96 0.88 1.43 1.39 1.75 1.70 1.48 1.41 0.0 1.82 1.30 1.76 1.37 1.87 1.89 1.69 1.73 0.0 1,83 1.76 1.67 1.61 1.75 1,70 1.54 1.52 0.0 1.79 1.73 1.21 1.75 1,23 1,15 1.65 1.25 0.0 0.95 0,89 1.19 1.22 1,16 1.70 1.65 1,12 0.0 1.54 1.48 0.72 0.60 1,45 1.39 1.31 1,20 0.0 1.36 1,33 1.39 1.31 1.30 1.21 1,37 1.30 0.0 1,60 1.53 1.40 1.37 1.90 1.54 1,15 1.04 0.0 1.36 1.10 1.02 1.59 1,27 1.37 1.29 1.65 0.0 0.85 0.56 1,64 1.58 1.29 1,19 0.69 0.45 0.0 1.62 1.52 1.00 0,97 1.47 1.40 1.09 1.04 1.07 0,0 1,72 1.65 1.14 0.99 0.93 1.20 1.15 1.67 1.38 1.52 1.45 0.47 0.41 0.0 1.52 1.41 16. 0.0 1.69 1.63 1,49 1.42 1.80 1.72 1.55 1.48 0.0 1.66 1,29 1,19 1.34 1.28 1.29 1.20 1.56 1,39 1.36 1.86 1.56 20 0.0 1.58 1.52 1.31 1.47 1,49 1,43 0.0 1.41 1.33 1.51 1.42 1.47 1.37 0.0 1.80 1.71 1,14 1.05 1.86 1.77 1.87 1,81 0.0 1,10 1,02 1.48 1.46 1.63 1.57 0.96 0.88 0.0 1.74 1.64 1,42 1.39 1.53 1.50 1.42 1.37 0,0 1.51 1.62 1.70 1.64 1.47 1,40 1.68 1.41 0.0 1.63 1,56 0.74 0.66 1.53 1,49 1,62 1.55 0.74 0.66 0.0 1.73 1.59 0.53 0.47 0.50 0.45 0.0 1.63 1,53 1.66 1,61 1.21 1,20 0,82 0.70 0.88 0.0 1.69 1.60 1,61 1.53 1.63 1.57 0.96 1.57 1,27 1.62 1.68 1.06 0.99 0,0 1.34 01 1.29 0.4 #DIV/01 1.54 1.28 1,21 1.48 1.39 1,21 VERAGE 1.46 0.63 0.50 0.47 11.7 0.0 0.95 0.41 0.47 0,45 0.88 Total # Chlorine Samples 30 30 30 30 30 30 30 Less than 0.2 mg/L/0.5 mg/L

0.41

0.47

Number of Free Residuals
Number of Total Residuals
120
Residual
120
Residual
Minimum Monthly Total
Residual
Minimum Monthly Total
Residual
Minimum Monthly Total
Residual
Minimum Monthly Total

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 30

	TUDBIBLEY B					WS ID:	KY0800	)273	
8	TURBIDITY R		unicommunicación de			LANT ID:	Α	jaran majatar	
PWS N	esc located and product.		ANTS WITH FI County Water		Report Period (I	MM/YYYY):	04/20	13	PAGE: 8 OF <u>11</u>
DAY	Hours Plant Operated	Pot rushdby Samples Required	OMOG ALAIM	-4 Ant - 6 Am	-Barp velociti	Noon - 4 pm	4 pro 2.850 h c	8 pm a Mio	Thijs Baximim
	24.0	6	0.06	0.06	0.06	0,06	0.08	0.06	0.084
2.5	24.0	6	0,06	0.06	0.06	0.05	0.05	0.06	0.062
	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.060
	23,0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.060
	22.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.051
6	19.0	5	0.05	0.06	0.05	0.05	0.05	0.07	0.067
	24.0	6	0,06	0.05	0.05	0.05	0.05	0.05	0.055
	24,0	6	0.05	0.05	0,05	0.05	0.05	0.06	0.057
1	24.0	6	0.06	0.06	0.06	0,05	0.05	0.05	0.060
10	22.0	6	0.05	0.05	0,07	0.06	0.05	0.05	0.070
11	23,0	6	0.05	0.06	0.06	0.05	0.06	0.06	0.060
112	23.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.062
10	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.058
14	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.058
1(6	22.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
16	22.0	6	0.05	0.07	0.05	0.05	0.05	0,05	0.070
100	24.0	6	0,05	0.05	0.05	0.05	0,05	0.05	0.050
10.	22.0	6	0,05	0,05	0.05	0,05	0.05	0.06	0.060
19.	24.0	6	0.06	0.06	0.06	0.06	0.05	0.06	0.060
20	21.0	6	0,06	0.05	0.05	0.05	0.05	0.06	0.057
21	24.0	6	0.06	0.06	0,06	0.06	0.08	0.06	0.058
	24.0	6	0.06	0.06	0,06	0.05	0,06	0.06	0.058
	23.0	6	0.05	0.05	0.05	0.05	0.05	0,06	0.055
7,	23,0	6	0.05	0.05	0,05	0.05	0.06	0.06	0.058
25	24.0	6	0,06	0.06	0.06	0,06	0.06	0.06	0.060
20	22.0	6	0.06	0.06	0.06	0.06	0,06	0.05	0,060
gΥ	24,0	6	0.05	0.06	0.06	0.05	0.05	0.05	0.055
100	22,0	6	0,06	0.06	0.06	0.06	0.06	0.06	0.059
76	23,0	6	0.06	0.06	0.06	0.07	0.06	0.07	0.073
30	23.0	6	0.07	0.07	0.07	0.07	0.09	0.07	0.090
3.	0.0	0							0.000
Total	691.0	179			TOTA	L#OF TURBIDITY	SAMPLES TAKEN	180	0.090
ARE Y		R CONVENTION	AL or DIRECT FIL	TRATION? (Y/I					
Numb	er of samples ex	ceeding>	0.1 NTU	. 0	0.3 NTU	0	1 NTU_	0	
	or slow sand filt	ation, the numb	er of samples ex	ceeding>	1 NTU_		5 NTU_		
	: The "Number o he next whole nu	CONTRACTOR OF THE PARTY OF THE	oles Required" is	the number of I	nours the plant operal	ed divided by 4	rounded		maia di
I certif	y that the above	turbidity readi	ngs were taken	every 4 hours	during plant operati	on and in the t	me frames noted	above.	
	Signature of Princip	oal Executive Off	icer of Authorized	Agent			Dat	Total Control of Contr	

INDIVIDUAL FIL	TER TURBIDITY			PLANTS WITH HURADION	
PWS Name:	N	lartin County Water D	listrict		- 27-7
PWS ID:	KY0	800273	on or serve the York		
PLANT ID:	A comment	A			
Report Period (MM/)	<b>/</b> YYY):	04	/2013		
	eeded any one of t the Summary She report(s).			505G1250G03G0G17C0	PAGE 9 OF 11
Date	Filter Milmbar	Turbidity Reading	Trigger Lavel (see below)	Reason for Exceedance (if known)	Clair and Firm.
9,100	***************************************				
eria en					
BE TO			30.00		
FE 300					
			5 (15 (15 (15 (15 (15 (15 (15 (15 (15 (1		
		100 miles			
				A STATE OF THE STA	
			<del> </del>		
		70.0		W WELLOW TAKE	
			4		
			Service of Services		
	2 A T				
			Д	4	
<ul><li>B. Any one filter at the end of t</li><li>C. Any one filter at any time in</li><li>D. Any one filter</li></ul>	has a measured turk he first 4 hours of op has a measured turk each of 3 consecutive has a measured turk each of 2 consecutive Filter number, the obvious reason for Filter number, the obvious reason for Filter number, the exceedance Filter number, the	politity level of greater peration following a politic level of greater perater perate	r than 0.5 NTU in 2 of backwash or return r than 1.0 NTU in 2 of r than 2.0 NTU in 2 of it, the date of exceeding the date of exceeding the date of exceeding	onsecutive measurements taken 15 minionsecutive	utes apart utes apart utes apart cceedance, if no cceedance, if no days of the

#### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273	MONITORING PERIOD (MMYYYY) 04/2013								
	NOTE: COMPLI	ETE ALL	APPLICABLE FIELDS!!! NOT ALL C POPULATED FOR YOU!!!	F THE FIELDS ARE P						
10,000,000			ORMATION	(Cd. 202 Ball 5-202						
PLANTID A	APPLI	************	O ALL PLANTS TAL WATER TREATED (gallons)	56,784,000						
LANT NAME	Martin County Water District		E. DAILY PRODUCTION (gallons)	1,892,800						
AGENCY INTERES	T 2987	MA	XIMUM PUMPAGE (gallons per day)	2,012,000						
			EFFLUENT TURBIDLY ANTS WITH FILTRATION							
NALYTE CODE	0100		\$ \$02.48\$A							
	itored continuously? (Y/N)	*******								
	s recorded every 15 minutes? (Y/N) of the continuous monitoring equipment? (	(V/NI)								
	individual filter effluent turbidity grab samp		ted every four hours of operation? (Y/N)							
A CONTRACTOR OF THE PROPERTY O	he continuously monitoring equipment rep	Control of the Contro	990099999999966555555555555555555555555	***************************************						
	level greater than 1.0 NTU in two consecu		20000000000000000000000000000000000000							
			surements after on line for more than four h surements in three consecutive months? ()	IGODCCHOCHOCOCCOCDORTTCOGOCCO						
			surements in two consecutive months? (\/\)							
	poxes are YES, fill out the Individual Fil	000000000000000000000000000000000000000	<b>1944-01-01-01-01-15-15-15-15-15-15-15-15-15-15-15-15-15</b>	7.000,000,000,000,000,000						
	VED PRITER ENGLUENT TURBIDITY LE TO ALL PLANTS WITH FILTRATION		EATRY POINT RESIDUAL DISINFEC APPLICABLE TO AL	THE PERSON NAMED IN COLUMN TO PERSON NAMED I						
NALYTE CODE	0100		ANALYTE CODE 0999							
lumber of hours of	*******************	691.0	Number of days of plant operation	-						
Vere samples taker Number of samples	n every 4 hours of plant operation? (Y/N)	190	Were samples taken each day of operation Number of lowest chloring samples recor	SOCIETA POLICE OF THE PROPERTY OF						
dighest single turbid	SOCIO CONTROL DE LA CONTROL DE	0.09	Lowest single chlorine reading	dea						
	pt slow sand filtration:		If less than required:							
	les exceeded 0.1 NTU	0	Was residual restored within 4 hours of p	555556 T85655000 SCC VIII - 17						
100 Comment of the Co	les exceeded 0.3 NTU	0	Free Chlorine (for all disinfectants except	chloromine):						
Number of samp		0	Number of samples under 0.2 mg/L	and a second						
Vhen filtration is slo	w sand filtration:	0	Total Chlorine (when disinfectant is Chlor	amine):						
Vhen filtration is slo Number of samp		<u>0</u> 	[0000000000000000000000000000000000000	amine):						
When filtration is slo Number of samp Number of samp	w sand filtration: les exceeded 1 NTU les exceeded 5 NTU  DIOXIBE ENTRY POINT MONITORING		Total Chlorine (when disinfectant is Chlor	MONFORING						
When filtration is slo Number of samp Number of samp CHLORINE APPLICABLE T	w sand filtration: les exceeded 1 NTU les exceeded 5 NTU		Total Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZII	MONFORING						
When filtration is slo Number of samp Number of samp CHLORINE APPLICABLE T ANALYTE CODE	w sand filtration: les exceeded 1 NTU les exceeded 5 NTU  DIOXIDE ENTRY POINT MONITORING O PLANTS UTILIZING CHLORINE DIOXI 1008		Total Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZIO	MONFORING						
When filtration is slo Number of samp Number of samp CHLORINE APPLICABLE T ANALYTE CODE Number of days of p Were samples taken	w sand filtration: les exceeded 1 NTU les exceeded 5 NTU  DIOXIDE ENTRY POINT MONITORING O PLANTS UTILIZING CHLORINE DIOXI 1008 liant operation h each day of operation? (Y/N)	30   30	Total Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZING ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation	MENITORING NG CHLORINE DIOXIDE						
When filtration is slo Number of samp Number of samp CHLORINE APPLICABLE T ANALYTE CODE Number of days of p Were samples taker	w sand filtration: les exceeded 1 NTU les exceeded 5 NTU  DIOXIDE ENTRY POINT MONITORING O PLANTS UTILIZING CHLORINE DIOXI 1008 liant operation n each day of operation? (Y/N) taken	30 0	Total Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L.  CHLOPITE ENTRY POINT APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation Number of samples taken	MCNI FOR ING NG CHLORINE DIOXIDE on? (Y/N)						
When filtration is slo Number of samp Number of samp CHLORINE APPLICABLE T ANALYTE CODE Number of days of p Were samples taker Number of samples Highest single chlori	w sand filtration: les exceeded 1 NTU les exceeded 5 NTU  DIOXIDE ENTRY POINT MONITORING O PLANTS UTILIZING CHLORINE DIOXI 1008 liant operation n each day of operation? (Y/N) taken	30   30	Total Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZING ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation	MENITORING NG CHLORINE DIOXIDE on? (Y/N)						

Signature of Prinicipal Executive Officer or Authorized Agent

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800273	MONITORING PERIOD (MMYYYY) 04/2013								
AI <u>2987</u>	NOTE: COMPLETE ALL APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS ARE PRE								
PURCHAS	ED NEED N	SOL	D ₈₋₂						
	APPLICABLE TO ALL								
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)						
WV3303003	0								
KY0980575	0								
The second second		in the sense and							
			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
	P1090 21 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								
200			A SECULIAR TO A SECULIAR SECUL						
			ME 1837						
		Medical							
		The second district							
		All and the Street							
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Prince of the second se	e various								
	200 CONTRACTOR (CONTRACTOR CONTRACTOR CONTRA	The second of the							
-									
<del></del>									
THE PARTY OF THE P	DISTRIBUTION RESIDUAL DISI	NEECTANT CONCENTRATION	470.00						
	APPLICABLE TO AL								
ALYTE CODE 0989									
mber of days of operation	30	Free Chlorine (for all disinfectants ex							
ere samples taken each day of opera	ation? (Y/N)	Number of samples under 0.2 mg	***************************************						
mber of samples taken:		<u>Total Chlorine</u> (when disinfectant is o							
FREE	120	Number of samples under 0.5 mg	J/L						
TOTAL	120								
west single FREE chlorine reading	0.41								
west single TOTAL chlorine reading	0.47								

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am ewere that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Principal Executive Officer or Authorized Agent

05-07-2013

t)ate



## KENTUCKY DIVISION OF WATER

Revised 01/04/07

### DRINKING WATER BRANCH

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT DEP Form 4012R	FH & YEAR (mm/yyyy)	05/2013	Indicate one with "X"	X SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Wa	iter District	_ PLANT CLASS:	3 DIST, CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:	06-06-2013
SOURCE NAME:	Crum Reserv	oir	COUNTY:	Martin
	Tug Fork			
	OPERATOR(S) RESPONSI	BLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	17562
WTP SHIFT 2:	Michael Sar	tin	1V-A	21944
WTP SHIFT 3:	Jerry L Belcher / Justi	n L Blackburn	1V-A / 111-A	21719 / 16310
DISTRIBUTION:				
TREATMENT PLANTS	NO LATER THA	N 10 DAYS AFTE		O APPLICABLE FIELD OFFICE HE MONTH.
1. DESIGN CAPACITY (gpm)		1,66	7	
2. TYPE OF FILTRATION US	ED;	Dual M	edia	
3. DESIGN FILTRATION RAT	FE (gpm/sq. ft.):	2,66	6	
4. PERCENT BACKWASH W	ATER USED:	0.8		
5. DATE FLOCCULATION BA	ASIN(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/ 09	
6. DATE SETTLING BASIN(S	S) LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KR\$ 224.99-010 and 401 KAR 8:020. (Penalties under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT

06-06-2013

DATE

PWS ID: KY0800273

REPORT MONTH/YEAR: _____ PAGE 1 05/2013 OF 11

- 100	24 COLUMN SE 100 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Water and American								PAGE		
	RAW WATER	HOURS PLANT	COAGL	JLANT	COAGL	ACTIVATE TO THE RESIDENCE	. pH ADJU	STMENT	DISINFE		DISINFE	
DAY	TREATED	OPERATED	l nn	PPM	LBS	PPM	LBS	re PPM	LBS	PPM	LBS Po	et PPM
DAY	GALLONS		LBS				LD3		325.4	19.7	183.2	11.1
1	1,982,000	24.0	237.4	14.4	4.2	0.3						11.8
2	1,866,000	23.0	227.5	14.6	4.0	0.3			337.3	21.7	183.2	
3	1,977,000	24.0	237.4	14.4	4.2	.0,3			343.5	20.8	183.2	11.1
4	1,919,000	24.0	237.4	14,8	4.2	0.3			336.8	21.0	183.2	11.4
5	1,970,000	24.0	237.4	14.4	4.2	0.3			341.3	20.8	183.2	11.2
6	1,903,000	24.0	237.4	15.0	4.2	0.3			341.3	21.5	183.2	11.5
1	1,864,000	23.0	227.5	14.6	4.0	0.3			314.8	20.2	175.5	11.3
g	1,880,000	22,0	217.6	13.9	3.9	0.2			300,3	19.2	152.6	9.7
9	1,965,000	24.0	237.4	14.5	4.2	0.3			368.4	22.5	183.2	11,2
10	1,908,000	23.0	227,5	14.3	4.0	0.3			350.5	22.0	175.5	11.0
11	1,979,000	24.0	237:4	14.4	4.2	0.3			348.8	21.1	183.2	11.1
12	1,703,000	21.0	207.7	14.6	3.7	0.3			315,5	22.2	160.2	11.3
13	1,980,000	24.0	237,4	14.4	4.2	0.3			360.5	21,8	183.2	11.1
14	1,894,000	23.0	227,5	14.4	4.0	0.3			357.2	22.6	175.5	11.1
16	1,949,000	24.0	237.4	14.6	4.2	0.3			380.9	23.4	183.2	11.3
16	1,893,000	24.0	237.4	15.0	4.2	0.3			370.2	23.4	183.2	11.6
17	1,967,000	24.0	237.4	14.5	4,2	0.3			371.2	22.6	183.2	11.2
18	1,917,000	24.0	237.4	14.8	4.2	0.3			369.3	23.1	179.3	11.2
19	1,951,000	24.0	237.4	14,6	4.2	0.3			383.0	23,5	194.5	12.0
	1,895,000	24.0	237.4	15.0	4.2	0.3			381.8	24.2	190.8	12.1
20 8	Der Gertage	MILEULEUM	227.5	14.2	4.0	0.3			379.6	23.8	186.2	11.7
21	1,915,000	23.0	217.6	14.0	3.9	0.2			380.2	24.4	183.0	11.8
22	1,865,000			JICONES.	4.2	0.3			385.5	23.5	188.0	11.5
23	1,966,000	24.0	237.4	14.5	4.0	0.3			355.5	22.3	175.6	11.0
24	1,908,000	23.0	227.5	14.3						23.9	183.2	11.2
25	1,954,000	24.0	237.4	14.6	4.2	0.3			389.5		183.2	11.6
28	1,893,000	24.0	237.4	15.0	4.2	0.3			386.0	24.4		THEFT
27	1,929,000	24.0	237.4	14.8	4.2	0.3			389.5	24.2	183.2	11.4
28	1,885,000	24.0	237.4	15.1	4.2	0.3			393,4	25.0	186.7	11.9
29	1,944,000	24.0	237.4	14.6	4.2	0.3			393.4	24.3	186.5	11.5
30	1,929,000	24.0	237.4	14.8	4.2	0.3			417.6	26.0	191.3	11.9
31	1,956,000	24.0	237.4	14.6	4.2	0.3			417.6	25.6	194.6	11.9
OTAL	59,506,000 1,919,548		7230.6 233.2	14.6	127.8 4.1	0.3	0.0 #DIV/0I	#DIV/01	11285.8 364.1	22.7	5644.0 182.1	11.4

1,982,000

PWS ID : __ KY0800273 PLANT ID:

REPORT MONTH/YEAR: 05/2013

#DIV/01

#DIV/01

OF PAGE PH ADJUSTMENT CORROSION CARBON DISINFECTANT FLUORIDE INHIBITOR PPM LBS PPM PPM LBS LBS PPM LBS PPM LBS DAY LBS PPM PPM 30,8 60.9 508.6 3.7 520.5 33.4 58.4 3.8 526.7 31.9 60.9 3.7 520.1 32,5 60.9 3.8 60.9 3.7 524.5 31.9 60,9 3.8 524.5 33.0 490.3 31.5 58.4 3.8 3.6 452.9 28.9 55.8 551.6 33.7 60.9 3.7 58.4 526.0 33.1 3,7 532.1 32.2 60.9 3,7 33.5 53.3 3.8 475.7 3.7 543.7 32.9 60.9 532.7 33.7 58.4 3.7 3.7 564.1 34.7 60,9 16 553.4 35.1 60.9 3.9 554.4 33.8 60.9 3.7 548.6 34.3 60.9 3.8 577.6 35.5 60.9 3.7 572.6 36.2 60.9 3.9 3.7 565.8 35.4 58.4 3.6 563.2 36.2 55.8 35.0 60.9 3.7 573.5 3.7 24 531.1 33.4 58.4 60.9 3.7 572.7 35,1 3.9 569.2 36,1 60.9 27 572.7 35.6 60.9 3.8 36,9 60.9 3.9 28 580.1 3.8 579.9 35.8 60.9 608.9 37.8 60.9 3.8 612,2 37.5 60.9 3.7 0.0 0.0 0.0 0.0 16,929.8 1,855.1 0.0 TOTAL #DIV/01

#DIV/0!

3.7

548.1

34.1

59.8

#DIV/0!

#DIV/0I

#DIV/01

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#DIV/01

#DIV/01

PWS ID : PLANT ID: KY0800273 Α

REPORT MONTH/YEAR:

05/2013

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	pH			TO	ral.	TO	TAL NESS	TOP	CHLORINE	RESIDUAL PL	TURBIDITY (NTU)			
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP		TER		AP FREE	RAW	SETTLED WATER	PLANT TAP
		7.43	7.36	43	40		81	0.70	0.59	1.90	1.80	6.31	0.24	0.05
1	7.47					83	MINE STORY	0.68	0.59	1.87	1.79	7.02	0.22	0.05
	7.43	7.39	7.31	37	36	74	71				1.79	6.47	0.19	0.04
3	7.35	7.35	7.22	39	37	76	74	0.70	0.61	1.84				0.04
4	7.34	7.33	7.22	38	36	75	74	0.65	0.57	1.87	1.80	6.43	0.20	0.06
5	7.41	7.27	7.17	39	38	77	75	0.75	0.67	2.01	1.94	6.37	0.20	
6	7.47	7.21	7.08	38	36	78	76	0.68	0.58	1.92	1.83	6.39	0.16	0.05
7	7,31	7.27	7.19	39	36	81	80	0,70	0.61	1.95	1.86	8.31	0.18	0.05
	7.38	7.35	7.28	35	35	66	63	0.75	0.63	1.93	1.81	5.66	0.16	0.05
	7.40	7.38	7.29	37	35	68	65	0.78	0.64	1.95	1.85	5.53	0.19	0.05
0	7.33	7.33	7.27	40	38	72	69	0.84	0.74	1.96	1,86	5.33	0.19	0:05
1	7.32	7.32	7.23	41	40	71	70	0.80	0.72	1.93	1.85	5.31	0.21	0.50
	7.33	7.28	7.16	43	41	72	70	0.67	0.58	1.89	1.80	5.40	0.21	0.05
3	7.31	7.18	7.06	47	45	75	74	0.67	0.59	1.92	1.83	5.44	0.20	0.05
4	7,31	7.24	7.19	48	46	76	74	0.66	0.57	1.89	1.81	5.41	0.23	0.05
į.	7.23	7.31	7.23	42	45	76	79	0.74	0.65	1.96	1.86	5.26	0.20	0.05
8	7.28	7.37	7,31	45	49	87	93	0.74	0.63	1.97	1.88	5.08	0.19	0.05
	7.29	7,27	7.18	46	45	88	86	0.73	0.62	1.87	1.78	5.05	0.21	0.05
g (R)	7.33	7.42	7.30	48	47	89	87	0.74	0.63	1.95	1.85	5.03	0.19	0.05
	7.35	7.23	7,11	49	46	91	88	0.64	0.54	1.89	1.78	5.06	0.20	0.06
	7,33	7.28	7.22	48	45	92	91	0,66	0,56	1.96	1.87	4.87	0,15	0.06
1	7.31	7.36	7.34	49	48	94	93	0.60	0.50	1.90	1.81	4.91	0.19	0.05
2	7.47	7.39	7.33	63	60	115	113	0.78	0.67	1.94	1.82	3.52	0.16	0.06
3	7.39	7.44	7.37	67	64	111	110	0.83	0.70	2.04	1.92	3.06	0.15	0.05
t.	7.51	7.48	7.41	62	60	116	113	0.76	0.64	1.97	1.85	3.55	0.18	0.05
5	7.51	7.45	7.34	64	61	118	115	0.81	0.69	1.99	1.88	3.27	0.14	0.05
5	7.50	7.41	7.29	65	64	121	120	0.80	0.72	2.01	1.93	3.25	0.14	0.05
7	7.48	7.35	7.24	67	66	123	122	0.78	0.68	1.98	1.89	3.27	0.17	0.05
a	7.40	7.39	7.31	71	70	120	119	0.73	0.62	1.96	1.85	4.94	0.17	0.05
9/	7.43	7.45	7.38	65	62	113	111	0.74	0.61	1.94	1.82	5.23	0.19	0.05
0	7.41	7.42	7.37	67	65	115	112	0.71	0.60	1.94	1.84	5.91	0.19	0.05
	7.25	7.33	7.22	71	68	114	110	0.70	0.59	1.86	1.76	6.49	0.20	0.06
RAGE	7.4	7.3	7.3	50	49	91	90	0.73	0.62	1.93	1,84	5.26	0.19	0.07

#### OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: PLANT ID: KY0800273

2987

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AGENCY INTEREST: REPORT MONTH/YEAR:

05/2013

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF 11

	RAW DAILY			*** n.u. (-) (a) -9	BASIN EFF	LUENT	IAEYTICAL			DA	AL FILTER E	UM			CFE DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#8	#7	MAXIMUN
1	6.31		0.25	0.28						0.06	0.05	0.06	0.06		0.06
2	7.02		0.25	0.27	10.40					0.07	0.06	0.07	0.05		0.07
31	6.47		0.20	0.24						0.06	0,06	0.07	0.05		0.07
4	6.43	77 8	0.21	0.24						0.05	0.05	0.07	0.06		0.09
5	6.37		0.22	0.23						0.05	0.05	0.07	0.05		0.08
6	6.39		0.18	0.23						0.05	0.05	0.07	0.05		0.08
7	8.31		0.21	0.21						0.06	0.05	0.09	0.05		0.09
В	5,66		0.19	0.19						0.04	0.05	0.06	0.05		0.07
9	5.53		0.21	0.22						0.04	0.05	0.06	0.05		0.07
10	5.33		0.22	0.24						0.07	0.05	0.06	0.05		0.08
11	5.31		0.21	0.25						0.06	0.05	0.08	0.05		0.08
12	5.40		0.23	0.26						0.06	0.04	0.26	0.12		0.16
18	5.44		0.21	0.23						0.06	0.05	0.07	0.06		0.07
14	5.41		0.36	0.23			4-101-2-112			0.05	0.05	0.07	0.05		0.07
15	5.26		0.18	0.30						0.05	0,05	0.08	0.05		0.06
46	5.08		0.21	0.23						0.06	0.05	0.11	0.06		0.06
17	5.05		0.21	0.31						0.06	0.05	0.08	0:05		0.07
118	5.03		0.22	0.24						0.07	0.06	0.14	0.05		0.07
10	5.06		0.18	0.23						0.06	0.05	0.12	0.06		0.08
20	4.87		0.19	0.19						0.06	0.05	0.11	0.06		0.08
21	4.91		0.20	0.26						0.06	0.05	0.07	0.07		0.07
22	3,52		0.21	0,20						0.05	0.05	0.06	0.05		0.06
23	3.06		0.16	0.21						0.06	0.05	0:07	0.05		0.06
24	3.55		0.19	0.23						0.05	0.05	0.08	0.06		0.07
28	3.27		0.14	0.21						0.06	0.05	0.07	0.05		0.06
26	3.25		0.16	0.21	Jenial I					0.07	0.05	0.06	0:05		0.06
27	3.27		0.18	0.24						0.06	0.05	0.08	0.04		0.06
28	4,94		0.19	0.20				0111111		0.06	0.05	0.08	0.05		0.07
29	5.23		0.21	0.21						0.06	0.05	0.07	0.06		0.07
30	5.91		0.19	0.21						0.07	0.06	0.08	0.06		0.07
31	6.49		0.20	0.31						0.07	0.06	0.09	0.06		0.07
VERAGE	5.3	#DIV/01	0.2	0	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/0I	0.06	0.05	0,08	0.06	#DIV/0I	0.07

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR:

05/2013

OF 11 PAGE *Please answer Y/N question below this chart. ANALYTICAL RESULTS (mg/L OR IPPM ( WATER IRON MANGANESE FLUORIDE **Lowest Daily** Chlorine Residual RAINFALL TEMP. Plant Tap On-Line Chlorine DEGREES Analyzer Fº/Cº INCHES RAW TAP RAW TAP RAW TAP RAW TAP FREE / TOTAL DAY 0.0 12.5 1.90 0.13 0.92 0.11 0.03 0.05 0.01 1.80 0.0 13.2 0.03 0.04 0.01 0.12 0.92 0.12 13.1 0.0 0.13 0.94 0.13 0.03 0.04 0.01 1.70 12,9 1.80 0.0 0.04 0.01 0.12 0.93 0.12 0.03 0.0 13,3 0.04 1.90 0.93 0.09 0.03 0.01 0.11 5 1.85 0.4 13.2 0.01 0.90 0.09 0.03 0.04 0.13 6 0.1 13.3 0.01 1.95 0.03 0.05 0.15 0.91 0.12 13.7 0.1 0.01 1.65 0.91 0.11 0.03 0.04 8 0.12 1.95 0.0 13.9 0.11 0.92 0.12 0.03 0.04 0.01 9 0.0 14.4 0.01 1.80 0.95 0.11 0.03 0.06 0.13 0.4 14.6 1.90 0.12 0.94 0.10 0.03 0.06 0.01 14 0.1 14.5 1.85 0.89 0.12 0.03 0.06 0.01 12 0.11 0.01 0.0 14.5 0.07 1.90 0.92 0.13 0.03 0.13 0.0 15.0 0.07 0.01 1.85 0.93 0.15 0.03 14 0.15 1.90 0.0 14.8 0.09 0.82 0.08 0.03 0.06 0.01 15 1.90 0.0 15.4 0.03 0.06 0.01 0.04 0.96 0.10 15.5 0.2 1.80 0.04 0.92 0.12 0.03 0.06 0.01 17 1.85 0.0 15.7 0.01 0.03 0.05 0.06 0.96 0.13 18 1.80 0.0 15.9 0.03 0.06 0.01 0.05 0.90 0.09 19 0.0 16.1 0.03 0.06 0.01 1.85 0.07 0.89 0.08 20 1.85 0.0 16.9 0.05 0.01 0.03 0.08 0.89 0.08 0.1 16.7 0.01 1.85 1.00 0.07 0.03 0.06 0.19 22 16.8 0.03 0.06 0.01 1.95 0.5 0.18 1.00 0.06 23 16.9 0.07 0.03 0.06 0.01 1.85 0.3 0.98 24 0.15 0.0 17.0 1.90 0.08 0.03 0.07 0.01 0.14 0.99 25 0.01 1.85 0.0 17,1 0.09 0.03 0.06 0.15 0.96 26 16.8 0.0 1.80 0.14 0.92 0.12 0.03 0.07 0.01 27 0.0 17.8 1.80 0.24 1.10 0.10 0.03 0.07 0.01 28 0.0 17.9 0.07 0.01 1.90 0.15 0.97 0.10 0.03 29 0.0 18.3 0.16 0.99 0.11 0.03 0.07 0.01 1.90 30 0.0 18.6 1.80 0.01 0.15 1.00 0.14 0.03 0.08 34 #DIV/0! Rainfall 15.4 0.03 0.06 0.01 #DIV/0! Monthly Minimum 0.94 0.10 AVERAGE 0.12

Number of readings 31

For Free Chlorine, # less than 0.2 mg/L 0

For Chloramines, # less than 0.5 mg/L

1.65

2.18

Disinfectant Chloramines? (Y/N)

N

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273 PLANT ID: A

OF

11

REPORT MONTH/YEAR: 05/2013

PAGE

		LINE DE L'ANDRE DE L'A				PILITER OPER	ation	PAGE	Action and Appropriate	VID.E-2 (2.2.4)	
	TOTAL	No:	3	No:	4	No:	- 6	No:	6	No:	
	WASH WATER	AREA (square feet) WASHWATER	180 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILT RUN
DAY	GALLONS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS
1	0										
2	25,000	13,000	81.80	12,000	81.80						
3	0										
4	36,000					18,000	93.30	18,000	93.40		
6	0										
-6	0										
7	30,000	15,000	106,30	15,000	106.30						
8	32,000					19,000	78.30	13,000	78.30		
.9	0										
10	23,000	12,000	73.00	11,000	73.00						
11	0										
12	30,000					15,000	95,40	15,000	95.40		
18	0										
14	28,000	14,000	100.50	14,000	100.50						
16	0										
16	34,000					17,000	94.20	17,000	94.20		
17	0										
18	30,000	15,000	94.40	15,000	94.40						
19	0										
20	38,000					19,000	106.90	19,000	106.90		
24	0										
22	27,000	13,000	94.70	14,000	94.70						
23	0										
24	34,000					17,000	93.40	17,000	93.40		
25	0										
26	32,000	16,000	94.50	16,000	94.50						
27	0										
28	30,000					15,000	95.30	15,000	95.30		
29	0										
30	29,000	15,000	95.10	14,000	95.10						
34	0										wahen's
TOTAL	458,000	113,000	740.30	111,000	740.30	120,000	656.80	114,000	656.90	0	0.00
VERAGE	14,774	14,125	92.538	13,875	92.538	17,143	93.829	16,286	93.843	#DIV/01	#DIV/01

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 05/2013

OF PAGE version de la Company C Determined Strew berghow TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHLORINE WEST BOOSTER BOOSTER T F LBS DAY LBS 1,51 0.88 0,82 1,56 0.71 0.63 0.90 0.82 0.0 1.26 1.54 1.50 1.40 1.38 0.0 1.46 1.38 1.30 1,35 1.07 0.95 0.98 0.91 1.40 0.0 1.62 1.53 1.60 1.48 1.56 1.47 0.28 0.22 1.25 0.0 1.35 1.64 1.30 1.74 1.68 1.72 0.0 1.66 1.60 1.38 1.60 1.71 1.30 1.17 1.20 1.08 1.33 1.25 0.0 1,52 1.44 1.36 1.29 1.22 1.51 1.46 1.59 0.0 1.50 1.47 1.62 1.24 1.17 1.57 0.0 1.09 1.02 1.02 0.95 1,50 1.45 1.33 1.70 1.63 1.64 0.0 1:64 1.41 1.75 1.70 1.67 1,37 1.26 1.48 0.0 1:05 0.60 0.53 1.12 1.40 1.34 0.0 1.67 1.58 0.30 0.32 0.27 1.54 1.71 1.68 0.33 1.60 0.0 0.95 0.87 1.59 1.48 0.87 0.0 1.60 1.57 0.97 1.04 1.37 1.33 1.09 1,05 1.17 1:44 1.36 0.0 10 1.55 1.68 1.64 1.64 0.0 1.17 1.06 1.30 1.20 1.57 1.41 1 64 1.56 1.63 1,51 0,61 0.57 0.0 0.72 0.82 0.69 0.57 1.27 1.16 1.46 1.34 0.0 1.26 1.35 1.53 1.45 1.30 1.19 1.51 1.42 0.0 1,46 1.59 1.49 1.37 1.26 1,60 1.49 1.53 0.0 1.07 1.70 1.57 1.17 1.70 1.56 1.15 1.11 0.0 1.49 1.38 1.51 1,36 1.65 1.50 1.41 1.49 0.0 1.44 1.48 1.36 1.45 1.58 0.0 0.79 0.67 1.54 1.61 1,56 1.84 1.55 1.27 1.17 1.45 1.33 0.0 1.59 1.44 1.27 1.18 1.38 24 0.0 0.84 0.77 1.49 0.55 1.20 1.10 1.58 1.50 0.62 1.38 1.27 0.0 0.35 1.70 1.62 0,50 0.42 0.37 1.42 1,37 26. 0.0 1.34 1.30 1.21 1.42 1.07 0,0 0.47 0.37 1.15 27 1.56 1.48 0.57 0.47 1.21 28 1.65 1.58 1.29 0.0 1.02 0.94 1.29 1.40 1.31 1.08 1.02 1.34 0.0 1.30 1.60 1.50 1.37 1.49 1.32 1.02 0.90 0.0 0.73 0.65 1.46 1.37 0.72 0.51 1.03 0.98 0.0 1.27 1.18 1.29 #DIV/01 1.34 1.24 1.25 1.17 1.37 0.0 AVERAGE Average Total Minimum Fron Minimum 0.32 0.47 0.28 0:33 0.0 0.0 TOTAL 0,27 0,37 0.22 0.30 31 31 31 31 31 31 31 31 Total # Chlorina Samples

0.22

0.28

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 31

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID:	KY080	00273	
Т	URBIDITY R	EPORT				PLANT ID:	· ·		
	APPLICAB	LE TO ALL PL	ANTS WITH FI	LTRATION	Report Period	I (MM/YYYY):	05/2	013	PAGE:
S Na	me:	Martin	County Water	District					8 OF <u>11</u>
Y	Hours Plant Operated	# of Turploity Samples Required*	Mid-4 am	4 am + 8 am	8 amii Noon	Noon (4 nm	4 pm = 8 pm	8-pro-Mid	Dany Maximum
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
	23.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
	24.0	6	0.07	0.06	0.06	0.06	0.06	0.07	0.069
	24.0	6	0.07	0.06	0.07	0.07	0.08	0.09	0.087
	24.0	6	0.07	0.07	0.07	0.07	0.08	0.07	0.077
	24.0	6	0.07	0.08	0.07	0.07	0.07	0:07	0.077
	23.0	6	0.08	0.07	0.09	0.07	0.09	0.06	0.090
	22.0	6	0.06	0.07	0.07	0.06	0.06	0.07	0.070
	24.0	6	0.06	0.06	0.07	0.05	0.06	0.06	0.070
8	23.0	6	0.06	0.06	0.06	0.08	0.08	0.07	0.078
	24.0	6	0.07	0.07	0.07	0.08	0.08	0.07	0.079
	21.0	6	0.07	0.16	0.08	0.07	0.07	0.07	0.159
	24.0	6	0.07	0.06	0.06	0.06	0.07	0.06	0.066
	23.0	6	0.06	0.06	0.06	0.07	0.06	0.06	0.067
	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.061
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
	24.0	6	0.07	0.06	0.06	0.06	0.06	0.07	0.065
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.074
	24.0	6	0.08	0.08	0.07	0.07	0.08	0.08	0.076
	24.0	6	0.08	0.07	0.07	0.08	0.08	0.07	0.079
	23.0	6	0.06	0.06	0.05	0.06	0.06	0.07	0.068
	22.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
	23.0	6	0.06	0.07	0.06	0.06	0.07	0.07	0.070
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.063
	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.063
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.070
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
400	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
al	731.0	186				OTAL # OF TURBIDITY	SAMPLES TAKEN	186	0.159
E YO	U USING EITHE	R CONVENTION	I AL or DIRECT FII	TRATION? (Y/I	1970				
	of filtration besides si er of samples ex		0.1 NTL	1	0.3 NTI	J 0	1 NTU	0	
			er of samples ex				- 5 NTU		
					nours the plant ope	***************************************			
	e next whole nu					lgages, essages grane			
ertify	that the above	e turbidity readi	ngs were taken	every 4 hours	during plant oper	ration and in the	time frames note	ed above.	920
9	ignature of Princi	ipal Executive Off	icer or Authorized	Agent				ale	
S	ignature of Princi	ipal Executive Off	icer or Authorized	Agent				aio	

				PLANTS WITH FILTRA	HUP.	
INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REP	ORT			
PWS Name:	Ma	artin County Water Dis	trict			
PWS ID:	KY08	00273				
PLANT ID;		A				
Report Period (MM/Y)	<b>(</b> (Y):	05/2	2013			
	ne Summary Shee	ne individual filter t ), complete the fo				PAGE 9 OF 1
Date	Fijter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Excee	dance (if known)	Date and Time State was Contacted
		THE RUCK HINDS WITH				
IIII war enganisar						

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID KY0800273		MONITORING PERIOD (MM)	THE RESERVE THE PERSON NAMED IN COLUMN	
NOTE: CO		APPLICABLE FIELDS!!! NOT ALL O POPULATED FOR YOU!!!	OF THE FIELDS ARE F	PRE
	APPLICABLE T			
LANT ID .A		TAL WATER TREATED (gallons)	59,506,000	
LANT NAME Martin County Water Distric		E. DAILY PRODUCTION (gallons)	1,919,548	
GENCY INTEREST 2987		XIMUM PUMPAGE (gallons per day)	1,982,000	
		FFLUENT TURBIDITY ANTS WITH FILTRATION		
	DEE TO ALL FE	ANTO WITT PLETAMON		
NALYTE CODE 0100				F
Vas each filter monitored continuously? (Y/N) Vere measurements recorded every 15 minutes? (Y/N)				
las there a failure of the continuous monitoring equipn				ř
if Yes, (1) were individual filter effluent turbidity gra		ted every four hours of operation? (Y/N)		
(2) was the continuously monitoring equipm				Ē
Vas individual filter level greater than 1.0 NTU in two c	onsecutive meas	urements? (Y/N)		Ī
Vas individual filter level greater than 0.5 NTU in two c				
Vas individual filter level greater than 1.0 NTU in two c				Ì
Was individual filter level greater than 2.0 NTU in two c			N)	
fany of the last 4 boxes are YES, fill out the Individ	dual Filter Turbi	dity Sheet and submit with the MOR		
COMBINED FILTER EFFEUENT TURBID	TY SIZE AL AL	ENTRY POINT RESIDUAL DISINEE		DN3
	TY SIZE AL AL			DN)
COMBINED FILTER EFFLUENT TURBIDI APPLICABLE TO ALL PLANTS WITH FILTR	TY SIZE AL AL	ANALYTE CODE 0999		
COMBINED FILTER EFFLUENT TURBIDI APPLICABLE TO ALL PLANTS WITH FILTR  NALYTE CODE0100  umber of hours of plant operation	ATION 731.0	ANALYTE CODE 0999  Number of days of plant operation	L PLANTS	3
COMBINED FILTER EFFLUENT TURBIDI APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE	731.0 (Y/N)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation	L PLANTS	3
COMBINED FILTER EFFLUENT TURBIDI APPLICABLE TO ALL PLANTS WITH FILTRANALYTE CODE 0100	731.0 (Y/N) Y 186	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples reco	L PLANTS	3 [] 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  lumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  lumber of samples taken  lighest single turbidity reading	731.0 (Y/N)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples reco Lowest single chlorine reading	L PLANTS	3 [] 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  lumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  lumber of samples taken  lighest single turbidity reading  or all filtration except slow sand filtration;	731.0 (Y/N)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples reco Lowest single chlorine reading  If less than required:	L PLANTS  ion? (Y/N) rded	3 [] 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100 umber of hours of plant operation //ere samples taken every 4 hours of plant operation? umber of samples taken ighest single turbidity reading or all filtration except slow sand filtration; Number of samples exceeded 0.1 NTU	731.0 (Y/N) Y 186	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples reco Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of page 1.50 plants of page 2.50 plant	ion? (Y/N) rded  plant operation? (Y/N)	3 [] 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  lumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  lumber of samples taken  lighest single turbidity reading  or all filtration except slow sand filtration:  Number of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU	731.0 (Y/N)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples reco Lowest single chlorine reading  If less than required:	ion? (Y/N) rded  plant operation? (Y/N)	3 [] 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  lumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  lumber of samples taken  lighest single turbidity reading  or all filtration except slow sand filtration:  Number of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU  Number of samples exceeded 1 NTU	731.0 (Y/N)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples recolumns to lowest chlorine samples recolumns to lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pree Chlorine (for all disintectants exceptions)	L PLANTS  ion? (Y/N) rded  plant operation? (Y/N) it chloromine):	3 [] 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  lumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  lumber of samples taken  lighest single turbidity reading  or all filtration except slow sand filtration:  Number of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU  Number of samples exceeded 1 NTU	731.0 (Y/N)	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pree Chlorine (for all disinfectants excep Number of samples under 0.2 mg/L	L PLANTS  ion? (Y/N) rded  plant operation? (Y/N) it chloromine):	3 [ 3
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100 umber of hours of plant operation //ere samples taken every 4 hours of plant operation? umber of samples taken lighest single turbidity reading or all filtration except slow sand filtration; Number of samples exceeded 0.1 NTU Number of samples exceeded 0.3 NTU Number of samples exceeded 1 NTU //hen filtration is slow sand filtration;	731.0 (Y/N)	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Were samples taken each day of operation Were samples taken each day of operation Lowest single chlorine samples recolumnest single chlorine reading If less than required: Was residual restored within 4 hours of pree Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine)	L PLANTS  ion? (Y/N) rded  plant operation? (Y/N) it chloromine):	3 [ 3
COMBINED FILTER EFFLUENT TURBIDE  APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  Iumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  Iumber of samples taken  Ilighest single turbidity reading  or all filtration except slow sand filtration:  Number of samples exceeded 0.1 NTU  Number of samples exceeded 1 NTU  Vhen filtration is slow sand filtration:  Number of samples exceeded 1 NTU  Number of samples exceeded 5 NTU  CHEORINE BIOXIDE ENTRY POINT MONTE	731.0 (Y/N) 186 0.16 1 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Were samples taken each day of operation Were samples taken each day of operation Lowest single chlorine samples recolumnest single chlorine reading If less than required: Was residual restored within 4 hours of pree Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine)	Ion? (Y/N) rded  plant operation? (Y/N) it chloromine):	3 3 1.6
COMBINED FILTER EFFLUENT TURBIDITY APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  Jumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  Jumber of samples taken  Jumber of samples taken  Jumber of samples taken  Jumber of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 5 NTU  CHECRINE BIOXIDE ENTRY POINT MONITE  APPLICABLE TO PLANTS UTILIZING CHLORING	731.0 (Y/N) 186 0.16 1 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pere Chlorine (for all disintectants excep) Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine) Number of samples under 0.5 mg/L  CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009	Ion? (Y/N) rded  plant operation? (Y/N) it chloromine):	3 3 1.6
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100  Jumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  Jumber of samples taken  Jumber of samples taken  Jumber of samples taken  Jumber of samples taken  Jumber of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 5 NTU  CHECRINE BIOXIDE ENTRY POINT MONITE  APPLICABLE TO PLANTS UTILIZING CHLORINE	731.0 (Y/N) 186 0.16 1 0	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pree Chlorine (for all disintectants exception Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine)  Number of samples under 0.5 mg/L  CHLORITE ENTRY POIN  APPLICABLE TO PLANTS UTILIZED  ANALYTE CODE 1009  Number of days of plant operation	ion? (Y/N) rded  Diant operation? (Y/N) it chloromine):  pramine):  IMONITORING ING CHLORINE DIOXIDE	3 3 1.6
APPLICABLE TO ALL PLANTS WITH FILTR.  NALYTE CODE 0100 umber of hours of plant operation //ere samples taken every 4 hours of plant operation? umber of samples taken ighest single turbidity reading or all filtration except slow sand filtration; Number of samples exceeded 0.1 NTU Number of samples exceeded 1 NTU Number of samples exceeded 1 NTU //hen filtration is slow sand filtration; Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU  CHLORINE DIOXIDE ENTRY POINT MONITE APPLICABLE TO PLANTS UTILIZING CHLORINE NALYTE CODE 1008 umber of days of plant operation //ere samples taken each day of operation? (Y/N)	731.0 (Y/N)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pree Chlorine (for all disintectants exception Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine (when disinfectant is Chlorine)  Number of samples under 0.5 mg/L  CHLORITE ENTRY POIN  APPLICABLE TO PLANTS UTILIZED  ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation	ion? (Y/N) rded  Diant operation? (Y/N) it chloromine):  pramine):  IMONITORING ING CHLORINE DIOXIDE	3 3 1.6
APPLICABLE TO ALL PLANTS WITH FILTRANALYTE CODE Jumber of hours of plant operation Vere samples taken every 4 hours of plant operation? Vere samples taken every 4 hours of plant operation? Vere samples taken every 4 hours of plant operation? Vere samples taken Idighest single turbidity reading For all filtration except slow sand filtration; Number of samples exceeded 0.1 NTU Number of samples exceeded 1 NTU Number of samples exceeded 1 NTU Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU  CHECRINE BIOXIDE ENTRY POINT MONITE APPLICABLE TO PLANTS UTILIZING CHLORINE MALYTE CODE Jumber of days of plant operation Vere samples taken each day of operation? (Y/N) Jumber of samples taken	731.0 (Y/N) 186 0.16  1 0 0  ORING E DIOXIDE  31	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pree Chlorine (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine (when disinfectant is Chlorine) Number of samples under 0.5 mg/L  CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZED ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation Number of samples taken	L PLANTS  ion? (Y/N) rded  plant operation? (Y/N) it chloromine):  pramine):  IMONITORING ING CHLORINE DIOXIDE	3 3 1.6
APPLICABLE TO ALL PLANTS WITH FILTRANALYTE CODE 0100  Jumber of hours of plant operation  Vere samples taken every 4 hours of plant operation?  Jumber of samples taken  Jumber of samples taken  Jumber of samples taken  Jumber of samples taken  Jumber of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 1 NTU  Number of samples exceeded 5 NTU  CHECRINE BIOXIDE ENTRY POINT MONITE  APPLICABLE TO PLANTS UTILIZING CHLORINE	731.0 (Y/N) 186 0.16  1 0 0  ORING E DIOXIDE  31 0 0.00	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation United the control of the cont	In PLANTS  Ion? (Y/N) Irded  Diant operation? (Y/N) It chloromine):  Inamine):  INMONITORING ING CHLORINE DIOXIDE  Ion? (Y/N)	3 3 1.6

responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per

violation and in some cases a violation may subject the violator to prison.

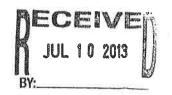
Signature of Prinicipal Executive Officer or Authorized Agent

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800273		MONITORING PERIOD (	ммүүүү) 05/2013
ΛΙ 2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT A POPULATED FOR YOU!!!	LL OF THE FIELDS ARE PRE-
FURCHA		sion side	LD
	APPLICABLE TO ALL		
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0		
KY0980575	<u> </u>		
New York Control of the Control of t			nemi lemmani i manusay dinastan 19
aring a spin and the property of the comment			ngan sayanggay ndilir nétig palionitaé
· · · · · · · · · · · · · · · · · · ·	Sixtension and the second configuration of the second conf		
The state of the s			***************************************
	DISTRIBUTION RESIDUAL DISA	FECTANT CONCENTRATION	
	APPLICABLE TO ALL		
ANALYTE CODE 0999	O CARLO DE LA PROPERTO DE LA COMPANSIÓN DE	marki lisikusa bariliti 1794	
Number of days of operation		Free Chlorine (for all disinfectants e	The first of the second
Were samples taken each day of ope	ration? (Y/N)	Number of samples under 0.2 m	g/L0
Number of samples taken:		Total Chlorine (when disinfectant is	
FREE	124	Number of samples under 0.5 m	g/L
TOTAL	124		
Lowest single FREE chlorine reading	0.22		
Lowest single TOTAL chlorine readin	g <u>0.28</u>		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

PWS NAME:   Martin County Water District   PLANT CLASS: 3   DIST. CLASS: 2	PWS ID :	KY0800273 PLANT ID: A	PLANT NAME:	Martin County Water District	t
SOURCE NAME:   Crum Reservoir   COUNTY:   Martin	PWS NAME:	Martin County Water District	PLANT CLASS: 3	DIST. CLASS: 2	
Tug Fork  OPERATOR(\$) RESPONSIBLE / IN-CHARGE CLASS CERTIFICATION NUMBER  WTP SHIFT 1: Earl T Alley 1V-A 17562  WTP SHIFT 2: Michael Sartin 1V-A 21944  WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667  2. TYPE OF FILTRATION USED: Dual Media 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66 4. PERCENT BACKWASH WATER USED: 0.7	GENCY INTEREST (AI):	2987	DATE MAILED:	07-08-2013	
OPERATOR(S) RESPONSIBLE / IN-CHARGE CLASS CERTIFICATION NUMBER  WTP SHIFT 1: Earl T Alley 1V-A 17562  WTP SHIFT 2: Michael Sartin 1V-A 21944  WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667  2. TYPE OF FILTRATION USED: Dual Media  3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66  4. PERCENT BACKWASH WATER USED: 0.7	SOURCE NAME:	Crum Reservoir	COUNTY:	Martin	
WTP SHIFT 1: Earl T Alley 1V-A 17562 WTP SHIFT 2: Michael Sartin 1V-A 21944 WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667 2. TYPE OF FILTRATION USED: Dual Media 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66 4. PERCENT BACKWASH WATER USED: 0.7		Tug Fork			
WTP SHIFT 2: Michael Sartin 1V-A 21944  WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667  2. TYPE OF FILTRATION USED: Dual Media 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66  4. PERCENT BACKWASH WATER USED: 0.7		OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER	
WTP SHIFT 3: Jerry L Belcher / Justin L Blackburn 1V-A / 111-A 21719 / 16310  DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667  2. TYPE OF FILTRATION USED: Dual Media  3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66  4. PERCENT BACKWASH WATER USED: 0.7	WTP SHIFT 1:	Earl T Alley	1V-A		
DISTRIBUTION:  THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE  NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667 2. TYPE OF FILTRATION USED: Dual Media 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 4. PERCENT BACKWASH WATER USED: 0.7	WTP SHIFT 2:	Michael Sartin	1V-A		
THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.  TREATMENT PLANTS COMPLETE:  1. DESIGN CAPACITY (gpm): 1,667 2. TYPE OF FILTRATION USED: Dual Media 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66 4. PERCENT BACKWASH WATER USED: 0.7	WTP SHIFT 3:	Jerry L Belcher / Justin L Blackburn	1V-A / 111-A	21719 / 16310	
1. DESIGN CAPACITY (gpm):         1,667           2. TYPE OF FILTRATION USED:         Dual Media           3. DESIGN FILTRATION RATE (gpm/sq. ft.):         2.66           4. PERCENT BACKWASH WATER USED:         0.7	DISTRIBUTION:				
2. TYPE OF FILTRATION USED: Dual Media 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 4. PERCENT BACKWASH WATER USED: 0.7	DISTRIBUTION:	PORT MUST BE RECEIVED BY THE DIVISION	N OF WATER AND	APPLICABLE FIELD OFFICE	
3. DESIGN FILTRATION RATE (gpm/sq. ft.):  4. PERCENT BACKWASH WATER USED:  2.66  0.7	DISTRIBUTION: THIS REI	PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE COMPLETE:	N OF WATER AND R THE END OF THE	APPLICABLE FIELD OFFICE	
4. PERCENT BACKWASH WATER USED: 0.7	DISTRIBUTION: THIS REI TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)	PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE COMPLETE:	N OF WATER AND R THE END OF THE	APPLICABLE FIELD OFFICE	_
4. PERCENT BROWNSHI WATER COLD.	THIS REI  TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)  2. TYPE OF FILTRATION US	PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE COMPLETE:  1,60  Dual N	N OF WATER AND R THE END OF THE	APPLICABLE FIELD OFFICE	
	THIS REI TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)  2. TYPE OF FILTRATION US  3. DESIGN FILTRATION RAT	PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE COMPLETE:  1,60 ED: Dual N E (gpm/sq. ft.): 2.6	N OF WATER AND R THE END OF THE	APPLICABLE FIELD OFFICE	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

REPURI MONTH/YEAR:

PAGE

06/2013 OF 11

TREATED OF PARTED LIBS PPM LIBS LIBS PPM LIBS PPM LIBS PPM LIBS PPM LIBS PPM LIBS PPM LIBS LIBS PPM LIBS LIBS PPM LIBS LIBS PPM LIBS PPM LIBS PPM LIBS LIBS LIBS LIBS LIBS LIBS LIBS LIBS		DISINFEC	CTANT	DISINFEC	TMENT	pH ADJUS		COAGU		COAGL	HOURS PLANT	RAW WATER	
1,93,000 24.0 237.4 14.8 4.2 0.3 410.6 25.6 194.6 194.6 1,94.000 24.0 237.4 14.8 4.2 0.3 410.6 25.6 194.6 194.6 1,94.000 24.0 237.4 14.8 4.2 0.3 412.5 25.4 198.1 1,94.000 24.0 237.4 14.8 4.2 0.3 412.5 25.4 198.1 1,94.000 24.0 237.4 14.5 4.2 0.3 412.5 25.4 198.1 1,94.000 24.0 237.4 14.5 4.2 0.3 45.0 27.6 199.0 1,94.000 24.0 237.4 14.5 4.2 0.3 45.0 27.6 199.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0 1,94.0				Pre		Pre							
1,980,000   24.0   237.4   14.5   4.2   0.3   407.4   24.9   200.0	PPM	LB9	PPM	LBS	PPM	LB8	PPM	LBS	PPM	LB\$		GALLONS	DAY
1,851,000   24.0   237.4   14.6   4.2   0.3   412.5   25.4   198.1     1,848,000   24.0   237.4   14.5   4.2   0.3   412.0   28.8   186.6     1,967,000   24.0   237.4   14.5   4.2   0.3   453.0   27.6   198.0     1,967,000   24.0   237.4   14.5   4.2   0.3   408.5   25.5   198.4     1,967,000   24.0   237.4   14.5   4.2   0.3   430.8   26.4   208.1     1,967,000   24.0   237.4   14.5   4.2   0.3   430.8   26.4   208.1     1,960,000   24.0   237.4   14.5   4.2   0.3   438.8   27.7   169.7     1,960,000   24.0   237.4   14.5   4.2   0.3   457.2   28.0   163.0     1,960,000   24.0   237.4   14.5   4.2   0.3   457.2   28.0   163.0     1,960,000   24.0   241.4   15.0   4.2   0.3   462.0   28.8   1719.1     1,970,000   23.0   231.3   14.5   4.0   0.3   438.8   27.4   172.0     1,990,000   24.0   241.4   15.0   4.2   0.3   462.0   28.8   1719.1     1,910,000   23.0   231.3   14.5   4.0   0.3   438.8   27.4   172.0     1,980,000   24.0   241.4   14.8   4.2   0.3   441.0   28.1   178.4     1,980,000   24.0   241.4   14.8   4.2   0.3   441.0   28.1   178.4     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.3   492.1   30.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.3   492.1   30.2   183.2     1,980,000   24.0   285.1   16.3   4.2   0.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.3   492.1   30.	12.2	194.6	25.6	410.6			0.3	4.2	14.8	237.4	24.0	1,920,000	10
1,946,000 24.0 237.4 14.6 4.2 0.3 412.5 25.4 198.1 1846,000 22.0 217.9 14.1 3.9 0.3 412.0 26.8 186.5 195.1 1840,000 23.0 227.5 14.2 4.0 0.3 465.0 25.5 198.4 198.7 000 24.0 237.4 14.5 4.2 0.3 465.0 25.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 19.5 198.4 1	12.2	200.0	24.9	407,4			0.3	4.2	14.5	237.4	24.0	1,961,000	2
1,940,000   240   237,4   14.5   4.2   0.3   453,0   27,6   199,0	12.1	196.1	25.4	412.5			0.3	4.2	14.6	237.4	24.0	1,948,000	
1,95,000	12.1	186.6	26.8	412.0			0.3	3.9	14.1	217.6	22.0	1,846,000	4
1,910,000 23.0 227.5 14.4 4.0 0.3 430.9 26.4 208.1 1,960,000 24.0 237.4 14.5 4.2 0.3 430.9 26.4 208.1 1,960,000 24.0 237.4 14.5 4.2 0.3 457.2 28.0 163.0 1,960,000 24.0 237.4 14.5 4.2 0.3 457.2 28.0 163.0 1,960,000 24.0 237.4 14.5 4.2 0.3 428.3 27.1 151.4 1,925,000 24.0 241.4 15.0 4.2 0.3 462.0 28.8 176.1 1,925,000 24.0 241.4 15.0 4.2 0.3 466.0 28.8 176.1 1,910,000 23.0 231.3 14.5 4.0 0.3 436.8 27.4 172.0 1,910,000 23.0 231.3 14.5 4.0 0.3 436.8 27.4 172.0 1,910,000 24.0 241.4 14.8 4.2 0.3 441.5 25.7 169.2 14.1 1,884,000 23.0 250.2 16.9 4.0 0.3 441.0 28.1 178.4 1,884,000 23.0 250.2 16.9 4.0 0.3 441.0 28.1 178.4 1,810,000 24.0 285.1 16.3 4.2 0.3 492.1 30.2 183.2 1,895,000 24.0 265.1 16.7 4.2 0.3 510.0 32.2 183.2 1,895,000 24.0 265.1 16.4 4.2 0.3 505.5 31.2 183.2 1,882,000 23.0 250.2 15.9 4.0 0.3 453.5 28.9 183.8 1,882,000 23.0 250.2 15.9 4.0 0.3 4451.5 28.9 183.8 1,882,000 23.0 250.2 15.9 4.0 0.3 453.5 28.9 183.8 1,882,000 23.0 250.2 15.5 4.0 0.2 497.0 30.8 178.0 1,932,000 24.0 265.1 16.3 4.2 0.3 505.5 31.2 183.2 1,932,000 24.0 265.1 16.2 4.2 0.3 505.5 31.2 183.2 1,944,000 24.0 265.1 16.3 4.2 0.3 505.5 31.2 183.2 1,944,000 24.0 265.1 16.3 4.2 0.3 505.5 31.2 183.2 1,944,000 24.0 265.1 16.3 4.2 0.3 505.5 31.2 183.2 1,944,000 24.0 265.1 16.3 4.2 0.3 505.5 31.2 183.2 1,944,000 24.0 265.1 16.3 4.2 0.3 505.5 31.2 17.1 17.1 17.1 17.1 17.1 17.1 17.1 1	12.1	199.0	27.6	453.0			0.3	4.2	14.5	237,4	24.0	1,967,000	5.8
1,89,000 23,0 227,5 14,4 4,0 0,3 438,6 27,7 169,7 169,7 169,6 1 1,960,000 24,0 237,4 14,5 4,2 0,3 462,0 28,8 176,1 1,970,000 23,0 227,5 14,4 4,0 0,3 428,3 27,1 151,4 1,970,000 23,0 227,5 14,4 4,0 0,3 462,0 28,8 176,1 1,970,000 23,0 231,3 14,5 4,0 0,3 462,0 28,8 176,1 1,910,000 23,0 231,3 14,5 4,0 0,3 436,8 27,4 172,0 1,970,000 24,0 24,1 14,8 4,2 0,3 449,5 25,7 189,2 14,184,000 23,0 250,2 16,9 4,0 0,3 441,0 28,1 178,4 1,810,000 24,0 285,1 16,3 4,2 0,3 492,1 30,2 183,2 1,896,000 24,0 285,1 16,7 4,2 0,3 510,0 32,2 183,2 1,944,000 24,0 265,1 16,4 4,2 0,3 505,5 31,2 183,2 1,944,000 24,0 265,1 16,4 4,2 0,3 492,1 30,3 206,3 1,82,000 23,0 250,2 15,9 4,0 0,3 445,5 28,9 183,8 1,957,000 24,0 285,1 16,2 4,2 0,3 494,1 30,3 206,3 1,82,000 23,0 250,2 15,9 4,0 0,3 445,5 28,9 183,8 1,957,000 24,0 285,1 16,2 4,2 0,3 494,1 30,3 206,3 1,83,000 24,0 285,1 16,2 4,2 0,3 494,1 30,3 206,3 1,83,000 24,0 285,1 16,2 4,2 0,3 505,5 31,2 183,2 1,940,000 24,0 285,1 16,2 4,2 0,3 494,1 30,3 206,3 1,83,000 24,0 285,1 16,3 4,2 0,3 505,5 31,2 183,2 1,940,000 24,0 285,1 16,3 4,2 0,3 505,5 31,2 178,0 1,940,000 24,0 285,1 16,3 4,2 0,3 505,5 31,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,4 171,	12.4	198.4	25.5	408.5			0.3	4.0	14.2	227.5	23.0	1,918,000	6
1,890,000   23.0   227.5   14.4   4.0   0.3   436.8   27.7   169.7     1,960,000   24.0   237.4   14.5   4.2   0.3   457.2   28.0   163.0     1,867,000   23.0   227.5   14.4   4.0   0.3   428.3   27.1   151.4     1,925,000   24.0   241.4   15.0   4.2   0.3   482.0   28.8   176.1     1,910,000   23.0   231.3   14.5   4.0   0.3   436.8   27.4   172.0     1,959,000   24.0   241.4   14.8   4.2   0.3   441.0   28.1   178.4     1,884,000   23.0   250.2   15.9   4.0   0.3   441.0   28.1   178.4     1,951,000   24.0   285.1   18.3   4.2   0.3   492.1   30.2   183.2     1,886,000   24.0   285.1   16.7   4.2   0.3   510.0   32.2   183.2     1,886,000   24.0   285.1   16.4   4.2   0.3   505.5   31.2   183.2     1,882,000   23.0   250.2   15.9   4.0   0.3   492.1   30.3   206.3     1,882,000   23.0   250.2   15.9   4.0   0.3   453.5   28.9   183.6     1,895,000   24.0   285.1   16.4   4.2   0.3   492.1   30.3   206.3     1,957,000   24.0   285.1   16.2   4.2   0.3   492.1   30.3   206.3     1,944,000   24.0   285.1   16.3   4.2   0.3   494.1   30.3   206.3     1,946,000   24.0   285.1   16.3   4.2   0.3   500.3   31.4   171.4     1,946,000   24.0   285.1   16.4   4.2   0.3   500.3   31.4   171.4     1,946,000   24.0   285.1   16.4   4.2   0.3   500.3   31.4   171.4     1,946,000   24.0   285.1   16.4   4.2   0.3   500.3   31.4   171.4     1,946,000   24.0   285.1   16.4   4.2   0.3   500.3   31.4   171.4     1,946,000   24.0   285.1   16.4   4.2   0.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8   4.0   0.3   500.3   31.4   171.4     1,946,000   23.0   227.5   14.8   4.0   0.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8   4.0   0.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8   4.0   0.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8   4.0   0.3   500.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8   4.0   0.3   500.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8   4.0   0.3   500.3   500.3   31.4   171.4     1,946,000   24.0   237.4   14.8	12,8	208.1	26.4	430.9			0.3	4.2	14.5	237.4	24.0	1,957,000	7
1,990,000	10.8	169.7	27.7	436.8			0,3	4.0	14.4	227.5	23.0	1,890,000	
1. 1,925,000	10.0	163.0	28.0	457.2			0.3	4.2	14.5	237.4	24.0	1,960,000	
11,925,000	9.6	151.4	27.1	428.3			0.3	4.0	14.4	227.5	23.0	W September 1	
17         1,910,000         23.0         231.3         14.5         4.0         0.3         436.8         27.4         172.0           13         1,959,000         24.0         241.4         14.8         4.2         0.3         419.5         25.7         169.2           14         1,884,000         23.0         250.2         15.9         4.0         0.3         441.0         28.1         176.4           15         1,951,000         24.0         285.1         16.3         4.2         0.3         492.1         30.2         183.2           16         1,898,000         24.0         285.1         16.7         4.2         0.3         510.0         32.2         183.2           17         1,944,000         24.0         265.1         16.4         4.2         0.3         505.5         31.2         183.2           18         1,882,000         23.0         250.2         15.9         4.0         0.3         453.5         28.9         183.8           19         1,957,000         24.0         285.1         16.2         4.2         0.3         494.1         30.3         206.3           1,948,000         23.0         250.2         15.7 <td>11.2</td> <td>179.1</td> <td>28.8</td> <td>462,0</td> <td></td> <td></td> <td>0,3</td> <td>4.2</td> <td>15.0</td> <td>241.4</td> <td>24.0</td> <td></td> <td></td>	11.2	179.1	28.8	462,0			0,3	4.2	15.0	241.4	24.0		
11       1.959,000       24.0       241.4       14.8       4.2       0.3       419.5       25.7       159.2         14       1.884,000       23.0       250.2       15.9       4.0       0.3       441.0       28.1       178.4         15       1.951,000       24.0       265.1       16.3       4.2       0.3       492.1       30.2       183.2         16       1.898,000       24.0       265.1       16.7       4.2       0.3       510.0       32.2       183.2         17       1.944,000       24.0       265.1       16.4       4.2       0.3       505.5       31.2       183.2         18       1.882,000       23.0       250.2       15.9       4.0       0.3       453.5       28.9       183.8         19       1.957,000       24.0       285.1       16.2       4.2       0.3       494.1       30.3       206.3         19       1.948,000       23.0       250.2       15.5       4.0       0.2       497.0       30.8       178.0         11       1.948,000       24.0       265.1       16.3       4.2       0.3       500.3       31.4       171.4         23	10.8	172.0	27.4	436.8			0,3	4.0	14.5	231.3			
14       1,884,000       23.0       250.2       15.9       4.0       0.3       441.0       28.1       178.4         15       1,951,000       24.0       285.1       16.3       4.2       0.3       492.1       30.2       183.2         16       1,898,000       24.0       265.1       16.7       4.2       0.3       510.0       32.2       183.2         17       1,944,000       24.0       265.1       16.4       4.2       0.3       505.5       31.2       183.2         18       1,882,000       23.0       250.2       15.9       4.0       0.3       453.5       28.9       183.6         19       1,987,000       24.0       265.1       16.2       4.2       0.3       494.1       30.3       206.3         10       1,982,000       23.0       250.2       15.5       4.0       0.2       497.0       30.8       178.0         11       1,946,000       24.0       265.1       16.3       4.2       0.3       502.2       32.6       183.2         12       1,912,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         12	10.4	169.2	25.7	419.5			0.3	4.2	14.8	241.4			
15       1,951,000       24.0       285.1       18.3       4.2       0.3       492.1       30.2       183.2         15       1,898,000       24.0       285.1       18.7       4.2       0.3       510.0       32.2       183.2         15       1,944,000       24.0       285.1       16.4       4.2       0.3       505.5       31.2       183.2         18       1,882,000       23.0       250.2       15.9       4.0       0.3       453.5       28.9       183.6         19       1,987,000       24.0       265.1       16.2       4.2       0.3       494.1       30.3       206.3         11       1,948,000       23.0       250.2       15.5       4.0       0.2       497.0       30.8       178.0         12       1,912,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         13       1,944,000       24.0       265.1       16.4       4.2       0.3       510.8       31.5       171.8         14       1,846,000       23.0       227.5       14.8       4.0       0.3       510.8       31.5       171.8         1,851,00	11.4	178.4	28.1	441.0			0.3	4.0	15.9			* 5	
16         1,898,000         24.0         285.1         16.7         4.2         0.3         510.0         32.2         183.2           15         1,944,000         24.0         265.1         18.4         4.2         0.3         505.5         31.2         183.2           18         1,882,000         23.0         250.2         15.9         4.0         0.3         453.5         28.9         183.6           19         1,957,000         24.0         265.1         18.2         4.2         0.3         494.1         30.3         206.3           10         1,932,000         23.0         250.2         15.5         4.0         0.2         497.0         30.8         178.0           21         1,948,000         24.0         265.1         16.3         4.2         0.3         529.2         32.6         183.2           12         1,912,000         23.0         250.2         15.7         4.0         0.3         500.3         31.4         171.4           23         1,944,000         24.0         285.1         16.4         4.2         0.3         510.8         31.5         171.8           24         1,846,000         23.0         227.5	11.3	183.2	30.2	492.1			0.3	4.2	16.3				11111
16         1,944,000         24.0         265.1         16.4         4.2         0.3         505.5         31.2         183.2           18         1,882,000         23.0         250.2         15.9         4.0         0.3         453.5         28.9         183.6           19         1,957,000         24.0         265.1         16.2         4.2         0.3         494.1         30.3         206.3           10         1,932,000         23.0         250.2         15.5         4.0         0.2         497.0         30.8         178.0           21         1,948,000         24.0         265.1         16.3         4.2         0.3         529.2         32.6         183.2           22         1,912,000         23.0         250.2         15.7         4.0         0.3         500.3         31.4         171.4           23         1,944,000         24.0         265.1         16.4         4.2         0.3         510.8         31.5         171.8           24         1,846,000         23.0         227.5         14.8         4.0         0.3         497.3         32.3         162.2           25         1,951,000         24.0         237.4	11.6	183.2	32.2	510.0			0.3	4.2	16.7				
16.8       1,882,000       23.0       250.2       15.9       4.0       0.3       453.5       28.9       183.6         19       1,957,000       24.0       265.1       16.2       4.2       0.3       494.1       30.3       206.3         20       1,932,000       23.0       250.2       15.5       4.0       0.2       497.0       30.8       178.0         21       1,948,000       24.0       265.1       16.3       4.2       0.3       529.2       32.6       183.2         12       1,948,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         23       1,944,000       24.0       285.1       16.4       4.2       0.3       510.8       31.5       171.8         24       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         25       1,837,000       24.0       237.4       15.5       4.2       0.3       502.1       32.8       174.5         27       1,896,000       23.0       227.5       14.7       4.0       0.3       502.1       32.3       179.3         29 <td>11.3</td> <td>183,2</td> <td>31.2</td> <td>505.5</td> <td></td> <td></td> <td>0.3</td> <td>4.2</td> <td>16.4</td> <td>265.1</td> <td></td> <td></td> <td></td>	11.3	183,2	31.2	505.5			0.3	4.2	16.4	265.1			
15       1,957,000       24.0       265.1       16.2       4.2       0.3       494.1       30.3       206.3         10       1,932,000       23.0       250.2       15.5       4.0       0.2       497.0       30.8       178.0         21       1,948,000       24.0       265.1       16.3       4.2       0.3       529.2       32.6       183.2         22       1,912,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         23       1,944,000       24.0       265.1       16.4       4.2       0.3       510.8       31.5       171.8         24       1,846,000       23.0       .227.5       14.8       4.0       0.3       497.3       32.3       162.2         25       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         26       1,837,000       24.0       237.4       15.5       4.2       0.3       502.1       32.8       174.5         27       1,860,000       23.0       227.5       14.7       4.0       0.3       510.5       32.3       179.3         29	11.7	183.6	28.9	453.5			0,3	4.0	15.9	250.2	23.0	- Frankling III	
1,832,000       23.0       250.2       15.5       4.0       0.2       497.0       30.8       178.0         1,948,000       24.0       265.1       16.3       4.2       0.3       529.2       32.6       183.2         1,912,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         23       1,944,000       24.0       285.1       16.4       4.2       0.3       510.8       31.5       171.8         26       1,846,000       23.0       227.5       14.8       4.0       0.3       497.3       32.3       162.2         25       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         26       1,837,000       24.0       237.4       15.5       4.2       0.3       502.1       32.8       174.5         27       1,860,000       23.0       227.5       14.7       4.0       0.3       456.6       29.4       172.0         28       1,875,000       24.0       237.4       15.2       4.2       0.3       532.4       34.0       169.2         30       1,875,000       24.0 <td< td=""><td>12.6</td><td>206.3</td><td>30.3</td><td>494.1</td><td></td><td></td><td>0.3</td><td>4.2</td><td>16.2</td><td></td><td></td><td></td><td></td></td<>	12.6	206.3	30.3	494.1			0.3	4.2	16.2				
21       1,948,000       24.0       265.1       16.3       4.2       0.3       529.2       32.6       183.2         22       1,912,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         23       1,944,000       24.0       265.1       16.4       4.2       0.3       510.8       31.5       171.8         24       1,846,000       23.0       227.5       14.8       4.0       0.3       497.3       32.3       162.2         25       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         26       1,837,000       24.0       237.4       15.5       4.2       0.3       502.1       32.8       174.5         27       1,860,000       23.0       227.5       14.7       4.0       0.3       456.6       29.4       172.0         28       1,875,000       24.0       237.4       15.2       4.2       0.3       510.5       32.3       179.3         29       1,875,000       24.0       237.4       15.2       4.2       0.3       521.1       33.3       169.2         30	11.0	178.0	30.8	497.0			0.2	4.0	15.5	250.2	47-7-413		
1,912,000       23.0       250.2       15.7       4.0       0.3       500.3       31.4       171.4         23       1,944,000       24.0       265.1       16.4       4.2       0.3       510.8       31.5       171.8         24       1,846,000       23.0       227.5       14.8       4.0       0.3       497.3       32.3       162.2         25       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         26       1,837,000       24.0       237.4       15.5       4.2       0.3       502.1       32.8       174.5         27       1,860,000       23.0       227.5       14.7       4.0       0.3       456.6       29.4       172.0         28       1,875,000       23.0       227.5       14.4       4.0       0.3       510.5       32.3       179.3         29       1,875,000       24.0       237.4       15.2       4.2       0.3       532.4       34.0       169.2         30       1,875,000       24.0       237.4       15.2       4.2       0.3       521.1       33.3       169.2         31       1,875,00	11.3	183.2	32.6	529.2			0.3	4.2	16.3				
23       1,944,000       24.0       265.1       16.4       4.2       0.3       510.8       31.5       171.8         26       1,846,000       23.0       227.5       14.8       4.0       0.3       497.3       32.3       162.2         25       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         26       1,837,000       24.0       237.4       15.5       4.2       0.3       502.1       32.8       174.5         27       1,860,000       23.0       227.5       14.7       4.0       0.3       456.6       29.4       172.0         28       1,875,000       23.0       227.5       14.4       4.0       0.3       510.5       32.3       179.3         29       1,875,000       24.0       237.4       15.2       4.2       0.3       532.4       34.0       169.2         30       1,875,000       24.0       237.4       15.2       4.2       0.3       521.1       33.3       169.2         OTAL       57,449,000       7262.1       123.5       0.0       14046.8       5414.9	10.7	171.4	31.4	500.3			0.3	4.0					
1,846,000       23.0       .227.5       14.8       4.0       0.3       497.3       32.3       162.2         25       1,951,000       24.0       237.4       14.6       4.2       0.3       517.7       31.8       179.1         26       1,837,000       24.0       237.4       15.5       4,2       0.3       502.1       32.8       174.5         27       1,860,000       23.0       227.5       14.7       4.0       0.3       456.6       29.4       172.0         28       1,895,000       23.0       227.5       14.4       4.0       0.3       510.5       32.3       179.3         29       1,875,000       24.0       237.4       15.2       4.2       0.3       532.4       34.0       169.2         30       1,875,000       24.0       237.4       15.2       4.2       0.3       521.1       33.3       169.2         31       17,749,000       7262.1       123.5       0.0       14046.6       5414.9	10.6	171.8	31.5	510.8			0.3	4.2	16.4	265.1	24.0		
25     1,951,000     24.0     237.4     14.6     4.2     0.3     517.7     31.8     179.1       26     1,837,000     24.0     237.4     15.5     4.2     0.3     502.1     32.8     174.5       27     1,860,000     23.0     227.5     14.7     4.0     0.3     456.6     29.4     172.0       28     1,895,000     23.0     227.5     14.4     4.0     0.3     510.5     32.3     179.3       29     1,875,000     24.0     237.4     15.2     4.2     0.3     532.4     34.0     169.2       30     1,875,000     24.0     237.4     15.2     4.2     0.3     521.1     33.3     169.2       10     10     7262.1     123.5     0.0     14046.8     5414.9	10.5	162.2	32.3	497.3			0.3	4.0	14.8	-227.5	23.0		
26     1,837,000     24.0     237.4     15.5     4,2     0.3     502.1     32.8     174.5       27     1,860,000     23.0     227.5     14.7     4,0     0.3     456.6     29.4     172.0       28     1,895,000     23.0     227.5     14.4     4.0     0.3     510.5     32.3     179.3       29     1,875,000     24.0     237.4     15.2     4.2     0.3     532.4     34.0     169.2       30     1,875,000     24.0     237.4     15.2     4.2     0.3     521.1     33.3     169.2       31     77,449,000     7262.1     123.5     0.0     14046.6     5414.9	11.0	179.1	31.8	517.7			0.3	4.2	14.6	237.4			
27     1,860,000     23.0     227.5     14.7     4.0     0.3     456.6     29.4     172.0       28     1,895,000     23.0     227.5     14.4     4.0     0.3     510.5     32.3     179.3       79     1,875,000     24.0     237.4     15.2     4.2     0.3     532.4     34.0     169.2       30     1,875,000     24.0     237.4     15.2     4.2     0.3     521.1     33.3     169.2       10     123.5     0.0     14046.8     5414.9	11.4	174.5	32.8	502.1			0.3	4,2	15.5	237.4	24.0	- (0.2	333 M
28     1,895,000     23.0     227.5     14.4     4.0     0.3     510.5     32.3     179.3       29     1,875,000     24.0     237.4     15.2     4.2     0.3     532.4     34.0     169.2       30     1,875,000     24.0     237.4     15.2     4.2     0.3     521.1     33.3     169.2       31     OTAL     57,449,000     7262.1     123.5     0.0     14046.6     5414.9	11.1	172.0	29.4	456.6			0.3	4,0	14.7	227.5	23.0	700	
1,875,000 24.0 237.4 15.2 4.2 0.3 532.4 34.0 169.2  1,875,000 24.0 237.4 15.2 4.2 0.3 521.1 33.3 169.2  OTAL 57,449,000 7262.1 123.5 0.0 14046.8 5414.9	11.3	179.3	32.3	510.5			0.3	4.0		- K-2		CANCELL PROPERTY.	1000
30 1,875,000 24.0 237.4 15.2 4.2 0.3 521.1 33.3 169.2 31	10.8	169.2	34.0	532.4			0.3						
TOTAL 57,449,000 7262.1 123.5 0.0 14046.6 5414.9	10.8	169.2	33.3	521.1					1,401,23				
				14046.6		0.0		123.5		7262.1		57,449,000	
VERAGE 1,914,967 242.1 15.2 4.1 0.3 #DIV/0! #DIV/0! 468.2 29.3 180.5	11.3	180,5	29.3	468.2	#DIV/01	#DIV/0!	0.3	4.1	15.2				

MAX

1,967,000

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 06/2013

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	DIBINFEC		FLUOF	RIDE	CARI	400	pH ADJ	JSTMENT	КМп	104	CORRO			
						-22	Po	st						
YAY	LBS	PPM	LBS	РРМ	LB8	PPM	LBS	PPM	L98	РРМ	LBS	PPM	LBS	PPM
1	605:2	37.8	60.9	3,8										
2	607.4	37.1	60.9	3,7										
7 (*) 3 ()	608.6	37.5	60.9	3.7										
4	598.6	38.9	55.8	3.6										
	652.0	39.7	60.9	3.7										
	606.9	37.9	58.4	3.7										
,	639.0	39.2	60.9	3.7									J	
	606.5	38.5	58.4	3.7		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
9	620.2	37.9	60,9	3.7										
0	579.7	36.6	58.4	3.7										
11	641.1	39.9	60.9	3.8										
12	608.8	38.2	58.4	3.7										
ä	588.7	36.0	60.9	3,7										
14"	619.3	39.4	58.4	3.7			(4,							
6	675.4	41.5	60.9	3.7										
j5,	693.2	43.8	60.9	3.8										
7	688.7	42.5	60,9	3.8										
8 1	637.1	40.6	58.4	3.7										
9	700.4	42.9	60.9	3.7										
0	675.0	41.9	58.4	3.6										
	712.4	43.8	60.9	3.7										
2 :	671.7	42,1	58.4	3.7										
	682.6	42.1	60.9	3.8								- Here		
4	659.5	42.8	58.4	3.8			Later Later							
26	696.8	42.8	60.9	3.7									-	
(B	676.6	44.2	60.9	4.0										
27	628.6	40.5	58.4	3.8										
28	689.8	43.6	58.4	3.7										-1100
29	701.5	44.9	60.9	3.9				4					1.00	
30:	690.3	44.1	60.9	3.9										
TAL	19,461.5		1,794.4		0.0		0.0		0.0		0.0		0.0	
ERAGE	10000100110001	40.6	59.8	3.7	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!	#DIV/0I	#DIV/0I	#DIV/0I	#DIV/0!	#DIV/0I	#DIV/0

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

06/2013

PAGE

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(cap)					ANALYTIC TAL		S (mg/L OR F	PM UNLESS	CHLORINE	RESIDUAL		Landa de la companya	TURBIDITY (	NTU)
		pН			LINITY		NESS	TOP		PLA TA			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1.54	7.24	7.30	7.17	72	70	115	113	0.70	0.59	1.95	1.85	6.48	0.18	0.06
2	7.25	7.25	7.14	73	72	116	115	0.68	0.56	1.95	1.85	6,44	0.17	0.05
3, 4	7,29	7.33	7.25	74	72	119	116	0.73	0.62	1.92	1.81	6.57	0.18	0.05
4	7.36	7.40	7.35	76	74	121	120	0.72	0.61	1.94	1.83	7.13	0.17	0.05
5	7.45	7.44	7.39	63	60	105	103	0.86	0.72	2.07	1.91	6,18	0.23	0.05
6	7.44	7.46	7.40	65	63	107	106	0.79	0.62	2.06	1.89	5.95	0.20	0.05
7	7.41	7.44	7.39	70	67	114	112	0.82	0.68	2.12	1.97	5.63	0.20	0.04
8	7.43	7.36	7.28	74	71	115	114	0.87	0.71	2.11	1.96	5.93	0.21	0.05
9	7.20	7.30	7.20	79	76	125	121	0.91	0.76	2.08	1.94	6.18	0.14	0.05
10	7.36	7.36	7.27	86	84	135	129	0.87	0.73	1.99	1.86	6.72	0.13	0.05
a,	7.29	7.42	7.30	84	81	138	135	0.84	0.68	2.12	1.96	9.13	0.16	0.05
12	7.32	7.42	7.30	91	88	145	141	0.86	0.69	2.14	1.95	21.80	0.17	0.05
13	7.35	7.44	7.33	97	94	148	146	0.84	0.68	2.07	1.90	22.30	0.18	0.05
14	7.34	7.37	7.31	102	100	149	148	0.69	0.59	1.98	1.88	24.20	0.17	0.05
l.	7.40	7.40	7.32	108	98	154	146	0.70	0.58	1.97	1.88	18.40	0.17	0.05
18	7.38	7.38	7.31	104	96	154	152	0.80	0.68	2.08	1.98	13.90	0.27	0.06
17	7.35	7.38	7.30	98	93	150	145	0.88	0.76	2.04	1.91	10.90	0.12	0.05
10	7.32	7.44	7.33	99	93	151	145	0.84	0.72	2.04	1.93	10.00	0.13	0.05
19 1	7.38	7.43	7.33	98	92	155	148	0.80	0.67	2.07	1.94	9.02	0.13	0.04
20	7.39	7.48	7.37	106	100	156	151	0.86	0.72	2.10	1.98	13.90	0.14	0.05
21	7.43	7.49	7.36	114	100	153	148	0.93	0.82	2.12	1.99	15.50	0.14	0.05
22	7.45	7.47	7.36	115	106	155	152	0.91	0.78	2.09	1.96	13.80	0.13	0.05
23	7.43	7.48	7.37	115	109	155	151	0.84	0.72	2.02	1.91	11.40	0.13	0.05
24	7.42	7.47	7.35	104	98	148	145	0.94	0.81	2.09	1.97	9.85	0.15	0.05
26	7.40	7.48	7.35	94	91	145	140	0.82	0.69	2.02	1.90	8.47	0.14	0.05
26	7.40	7.48	7.34	98	93	135	130	0.83	0.70	2.02	1.91	7.12	0.13	0,05
27	7,36	7.47	7.35	98	94	145	141	0.76	0.62	2.02	1.87	6.27	0.15	0.05
28	7.36	7.43	7.32	92	89	157	151	0.75	0.62	2.00	1.87	5.94	0.12	0.05
29	7.39	7.46	7.33	109	101	155	150	0.81	0.69	1.99	1.86	5.73	0.13	0.06
30	7.43	7.46	7.36	99	94	150	147	0.87	0.76	2.05	1.96	5.86	0.13	0.05
31 ERAGE	7.4	7.4	7.3	92	87	139	135	0.82	0.69	2.04	1.91	10.22	0.16	0.05

#### OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

PLANT ID:

A 2987

DRINKING WATER BRANCH

AGENCY INTEREST: 2987 REPORT MONTH/YEAR:

06/2013

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PAGE 4

OF 11

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

	RAW	2000年11年	SEDIM		BASIN EFFL		ACY FIGAL B	ESULISH	TUI	INDIVÍDUA	L FILTER E		o a constitution of		CFE DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUN
ħ.	6.48		0.19	0.21						0.06	0.05	0.11	80.0		0.07
2	6,44		0.18	0.19						0.06	0.05	0.11	0.07		0.07
	6.57		0.24	0.18						0.06	0.05	0.07	0.06		0.07
a-	7.13		0.19	0.18						0.08	0.06	0.07	0.06		0.11
5	6.18		0.20	0.25						0.06	0.05	0.08	0.06		0.07
6	5.95		0.20	0.29						0.06	0.05	0.09	0.08		0.07
7	5.63		0.28	0.23						0.06	0.05	0.06	0.06	1-2	0.06
a	5.93		0.52	0.28						0.07	0.06	0.06	0.06		0.07
ų.	6.18		0.16	0.19						0.06	0.06	0.06	0.06		0.06
10	6.72		0.18	0.17						0.06	0.05	0.08	0.08		0.07
111	9.13	ALI I	0.19	0.26						0.06	0.06	0.07	0.06		0.06
12	21.80		0.22	0.27						0.08	0.07	0.08	0.07		0.07
13	22.30		0.22	0.23						0.07	0.07	0.06	0.07		0.06
14	24.20		0.16	0.25						0.06	0.05	0.09	0.09		0.07
16	18.40		0.21	0.34						0.06	0.05	0.07	0.07		0.06
16	13.90		0.34	0.19						0.07	0.06	0.08	0.06		0.07
17	10.90		0.12	0.15				4/		0.06	0.06	0.07	0.06		0.06
18	10.00		0.18	0.21						0.06 .	0.05	0.08	0.09		0.07
19	9.02		0.14	0.17						0.06	0.05	0.06	0.06		0.06
20	13.90		0.16	0.20						0.07	0,06	0.06	0.06		0.07
21	15.50		0.18	0.18						0.07	0.06	0,07	0.07		0.06
22	13.80		0.16	0.18						0.06	0.06	0.08	0.08		0:07
23	11,40		0.15	0.16						0.06	0.06	0.07	0.07		0.06
24	9.85		0.28	0.21						0.08	0.07	0.06	0.07		0.07
25)	8,47		0.14	0.19						0.07	0.06	0.07	0.07		0.07
26	7.12	A	0.16	0.16						0.07	0.06	0.08	0.08		0.07
27.	6.27		0.19	0.21						0.07	0.07	0.07	0.08	1	0.07
21)	5.94		0.14	0.16						0.07	0.06	0.08	0.07		0.07
28	5.73		0.17	0.19						0.07	0.06	0.10	0.07		0.07
30	5.86		0.20	0.17						0.07	0,06	0.09	0.09		0.07
31			C												
VERAG	10.2	#DIV/0I	0.2	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	0.07	0.06	0.08	0.07	#DIV/0!	0.07

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR:

06/2013

OF

*Picase answer Y/N question below this chart.

PAGE <u>5</u>

30

0

Number of readings For Free Chlorine, # less than 0.2 mg/L

For Chloramines, # less

then 0.5 mg/L

***		FOR SEASON	186/19 37	WALYTICAL R		OR PPM UNI	ESS OTHERW	SEISPECIFIE	Lowest Dally		WATER
	C 6								Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	Fº/Cº
1	0.17	0.97	0.15	0.03	0.09	0.01	1000	77	1,80	0.0	18.7
2	0.15	1.00	0.16	0.03	0.08	0.01			1.85	0.1	18.8
3	0.17	0.98	0.17	0.03	0.09	0.01			1.75	0.2	18.7
4	0.16	0.98	0.15	0.03	0.08	0.01			1.65	0.0	18.9
- 6	0.12	0.94	0.14	0.03	0.11	0.01			1.85	0.0	19.9
6	0.15	0.99	0.13	0.03	0.11	0.01			1.75	0.1	20.2
7	0.17	0.99	0.13	0.03	0.15	0.01			1.80	0.3	20.5
8	0.12	0.99	0.14	0.03	0.12	0.01			1.80	0.0	20.8
9	0,14	0.93	0.15	0.03	0.12	0.01			1.82	0.0	21.2
10	0.18	1.04	0.11	0.03	0.13	0.01		X12-12-12-12-12-12-12-12-12-12-12-12-12-1	1.75	1.2	21.8
11	0.15	0.97	0.17	0.03	0.16	0.01			1.85	0.4	21.9
12	0.00	1,01	0.30	0.03	0.38	0.01			1.85	0.0	22.5
13	0.00	0.93	0.30	0.03	0.19	0.01			1.80	0.0	22.3
14	0,00	1.02	0.36	0.03	0.18	0.01			1.71	0.3	22.9
15	0.03	1.08	0.28	0.03	0.22	0.01			1.76	0.0	23.1
16	0.14	1.03	0.23	0.03	0.17	0.01	h. =		1.80	0.0	23.2
17	0.09	0.94	0.20	0.03	0.15	0.01			1.75	0.7	23.2
18	0.10	0.96	0.21	0.03	0.15	0.01			1.80	0.2	23.1
19	0.13	1.01	0.19	0.03	0.04	0.01		-		200	23.1
20	0.06	1.02	0.24	0.03	0.16	0.01			1.85	0.0	23.4
21	0.08	1.00	0.24	0.03	0.16	0.01					23.0
32	0.10	0.99	0.25	0.03	0.16	0.01			1.80	0.0	23.1
23	0.08	0.96	0.20	0.03	0.12	0.01			1.67	0.0	23.2
24	0.15	1.09	0.19	0.03	0.12	0.01			1.75	0.0	23.9
25	0.14	1.02	0.17	0.03	0.11	0.01			1.75	0.0	23.3
26	0.18	0.95	0.14	0.03	0.10	0.01			1.10	0.0	23.9
27	0.17	0.99	0.12	0.03	0.08	0.01			1.80	1.0	23.7
28	0.18	1.06	0.13	0.03	0.09	0.01			1.62	0.1	24.0
29	0.22	1.05	0.12	0.03	0.11	0.01			1.77	0.0	24.2
30	0.26	1.05	0.12	0.03	0.13	0.01			1.80	0.0	24.3
31 AVERAGE	0.13	1.00	0.19	0.03	0.14	0.01	#DIV/0!	#DIV/01	Monthly Minintim	Total Rainfall	22.2
								n stable	1.62		

Disinfectant Chloramines? (Y/N)

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273 PLANT ID: Α

06/2013 REPORT MONTH/YEAR. OF 11

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	TOTAL	No:	3	No:	4	No:	5	No:	6	No:	31.33
	WASH WATER	AREA (square feet)	180	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	190	AREA (square feet)	FILT RUN
YAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR9	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	HRS
1	0										
2	0										
3	0										
4	32,000	16,000	105.90	16,000	105.90						
6	0										
6	26,000					13,000	101.50	13,000	101.50		
,	0										
8	26,000	14,000	91.10	12,000	91.10						
9	0										
10	38,000					20,000	94.40	18,000	94.40		111
11	0	14.								·	
12	27,000	15,000	95.30	12,000	95.30						
13	0						-				
14	29,000					15,000	94.10	14,000	94.10		
15	0						ļ				-
16	29,000	15,000	94.30	14,000	94.40	::::::::::::::::::::::::::::::::::::	ļ				
17	0				ļ				<u> </u>		-
18	30,000	-11.00				16,000	95.50	14,000	95.50		
19	0										-4
20	26,000	14,000	93.90	12,000	93.90				-		
21	0				-						
22.	33,000				-	17,000	94.00	16,000	94.00		
23	0		70. 30.				<u> </u>		-		-
24	31,000	16,000	95.50	15,000	95.50		1		-		-
25	0	ļ					-	·			-
26	32,000					16,000	98.00	16,000	98.00		
27	0		-								
28	26,000	14,000	91.90	12,000	91.90				-		14.3
29	0					-	-				
30	31,000					16,000	92,70	15,000	92.70		
31	0				-			W			-
TOTAL	416,000	104,000	667.90	93,000	668.00	113,000	670.20	106,000	670.20	0	0.00
VERAGE	13,419	14,857	95.414	13,286 COPY AS NE	95.429	16,143	95.743	15,143	95.743	#DIV/01	#DIV

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

ÄLL WATER SYSTEMS

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

06/2013

PAGE____

OF

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Į.		MICALS ADDED				10 10 10	TEST RE		200004		
	CHLORINE	CHLORINE	-	NOF	mu	TOTAL		HLORINE RESIDUAL  EAS	(ppm)	WE	ST
Y	LBS	BOOSTER LB9		T	F	Т	F F	Т	F	T I	F
	0.0	17:		1.01	0.92	0.57	0.49	1.33	1.22	1.51	1.42
	0.0			1.16	1.07	1.52	1.42	1.27	1,16	1.20	1,14
	0.0			1.42	1.21	0.81	0.65	1.52	1,36	1.05	0.91
	0.0		は対象	1.27	1.15	1,18	1.09	1,15	1,06	1,44	1,30
	0.0		Mary .	1.71	1,55	1.29	1.15	1.60	1.45	0,67	0.54
	0.0			1.36	1,25	1.09	0.91	1.60	1.43	1.44	1,24
	0.0			1.69	1.49	0.86	0.77	1.69	1.60	0.93	0.81
	0.0			1.62	1.55	1,63	1,54	0.90	0.79	0,96	0,87
	0.0		i y	1.61	1.48	1.43	1.30	1.38	1.22	0.80	0,93
	0.0			1.44	1.33	1.09	0.99	1.69	1,58	1.04	0.91
1	0.0			1.61	1,45	1.37	1,25	1.25	1,11	1.11	1,00
2	0.0			0.60	0.48	0.98	0.87	1.39	1.29	1.49	1.35
3	0.0			1.50	1.37	0,93	0.80	1.70	1.52	1.70	1.54
	0.0			1.43	1.31	0,97	0.83	1.45	1.37	0.92	0.86
6 1	0.0			1.13	1.06	0.53	0.45	1.23	1.15	1.47	1.36
	0.0		100	1.33	1.26	0.27	0.25	1,39	1,23	1.43	1,39
7	0.0			0.68	0,50	1.00	0.89	1.56	1.45	1.54	1.46
8	0.0			1.39	1.31	0.91	0.83	1.41	1.32	0.95	0.87
9 10	0.0			1.54	1,42	0,95	0.84	1.50	1.44	1.64	1.55
	0.0			1.50	1.35	1.50	1.39	1.72	1.59	0.99	0.90
	0.0			1.68	1,53	0.79	0.69	1.53	1.39	0.78	0,66
,	0.0		187	1.51	1.40	1.23	1,15	0.42	0.37	0.76	0.64
8)	0.0			1.45	1,35	1.53	1,43	1.31	1.20	0.80	0.67
4	0.0			1.48	1.37	0.95	0,83	1.52	1.46	0.79	0.70
6	0.0			1,45	1.33	0.69	0.80	1,53	1.43	1,57	1,46
6	0.0	1 /		1.49	1,37	0.89	0.75	1.12	1.00	0.90	0.78
	0.0		10001-11	0.89	0.74	1.02	0.91	1.69	1.54	1.66	1.57
8	0.0			1.36	1.27	1.14	1.08	1.59	1.47	0.84	0.75
9	0.0			1.38	1.25	1.31	1.21	1.44	1.37	0.86	0.76
0	0.0			1.35	1.24	0.87	0.81	1.45	1.34	0.82	0.74
1	0.0	#DIV/0I		1.37	1.25	1.04	0.94	1,41	1.30	1.14	1.04
AGE	0.0		Average Total Minimum	0,60	1.20	0.27		0,42		0.67	100
	0.0	0.0	Free	0.00	0,48	0.21	0.25		0.37		0.54

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 30

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	00273	<b>-</b> 00
	TURBIDITY F	REPORT	100			PLANT ID:	F	1	-
	APPLICAB	LE TO ALL PI	ANTS WITH FIL	TRATION	Report Period (	MM/YYYY):	06/2	013	PAGE:
PWS	Name:	Marti	n County Water I	District	_	bullet say	CLUB SWAR		8 OF <u>11</u>
DAY	Hours Plant	# of Turbidity Samples Required	Mits 4 am	4 am - 8 am	8 am Noon	Ngon 4 pm	4 pm - 8 pm	8 pm - Mid	Daily Maximum
4	24.0	6	0.07	0.07	0.06	0.06	0.06	0.07	0.068
2	24.0	6	0.06	0.07	0.06	0.06	0.06	0.07	0.066
3	24.0	6	0.07	0.06	0.07	0.06	0.06	0.06	0.066
4	22.0	6	0.07	0.11	0.07	0.07	0.06	0.07	0.110
6	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
6	23.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.070
7.1	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
_8	23.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
9	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.060
10	23.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
14	24.0	6	0.06	0,06	0.06	0.06	0.06	0.06	0.060
12	23.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.070
18	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
14	23.0	6	0.06	0.07	0.05	0.05	0.05	0.06	0.070
115	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
16	24.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
17	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
18	23.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
19	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
20	23.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
34	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
27	23.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
23	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
24	23.0	6	0.06	0.07	0.07	0.06	0.06	0.07	0.070
25	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
26	24.0	6	0.07	0.07	0.07	0.07	0.06	0.07	0.070
27	23.0	6	0.07	0.07	0.07	0.06	0.06	0.06	0.070
28	23.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.069
10003.0000	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.072
30	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
31	0.0	0	0.07	0.07	0.01				0.000
-	707.0	180	_		TOT	AL # OF TURBIDITY	SAMPLES TAKEN	180	0.110
ARE '		R CONVENTION	NAL or DIRECT FIL	TRATION? (Y/	N) Y				
	ber of samples e		0.1 NTU	1	0.3 NTU	0	1 NTU	0	_
		Ť	ber of samples exc	ceeding>	1 NTU		5 NTU		
		of Turbidity Sam			nours the plant opera	ated divided by 4	rounded		7
I cert	Call	7. al	lus	Service Control	during plant opera	tion and in the ti	07-08-2	013	
	Signature of Princ		fficer or Authorized				D	ate	

	AF	PLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY EX	CEEDANCE REP	ORT		
PWS Name:	Mar	tin County Water Dis	trict		
PWS ID:	KY080	00273			
PLANT ID:	P			9	
Report Period (MM/YY)	M):	06/2	013	F	
If any filter excee (also listed on the the appropriate re	ded any one of the Summary Sheet eport(s).	e Individual filter ), complete the fo	turbidity triggers bilowing and subr	below, nit	PAGE 9 OF 11
Date	Filter Number	Turbidity Reading. (NTU)	Trigger Level (sne below)	Reason for Exceedance (If known)	Date and Time State was Contacted
Name and Association of the Party of the Par	Maria Caracter Caract	2000 BEN D. POLICE PRODUCTION OF THE PARTY O			
tournes not some st					
				2	

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
  - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	06/2013	
-		NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL OF TI POPULATED FOR YOU!!!	HE FIELDS ARE	PRE
HERMAN SER				ORMATION CAST 2		
NAME ID		APPLIC		O ALL PLANTS TAL WATER TREATED (gallons)	57,449,000	
PLANT ID A	Martin County	Motor Dietrict		E. DAILY PRODUCTION (gallons)	1,914,967	-
AGENCY INTERE		Nater District	_	XIMUM PUMPAGE (gallons per day)	1,967,000	
1021101 11112110	2001			(3		
				FFLUENT TURBIDITY ANTS WITH FILTRATION		
ANALYTE CODE	0100					
Nas each filter me	onitored continuously? (	Y/N)				Y
	ents recorded every 15 r			***************************************		Y
Nas there a failur	e of the continuous mor	nitoring equipment? (	Y/N)			. <u>I</u> N
If Yes, (1) we	re individual filter efflue	nt turbidity grab samp	ies collec	cted every four hours of operation? (Y/N)		
				in 5 working days? (Y/N)		
Was individual filt	er level greater than 1.0	NTU in two consecut	ive meas	surements after on line for more than four hours	2 (Y/N)	
vvas individual filti	er level greater than 0.5	NTU in two consecut	ive meas	surements in three consecutive months? (Y/N)	[ [ [ ] ]	· ii
was individual file	er level greater than 1.0	NTU in two consecut	ive meas	surements in two consecutive months? (Y/N)	. HANNANDANIALINI	P
If any of the last	4 hoves are YFS, fill o	ut the Individual Fill	ter Turbi	dity Sheet and submit with the MOR		
				ENTRY POINT RESIDUAL DISINFECTAN	EMCONGENTRATI	ION
APPLICA	BLE TO ALL PLANTS	WITH FILTRATION	HANNES GREAT	APPLICABLE TO ALL PL	ANTS	A COMMUNICATION
ANALYTE CODE	0100			ANALYTE CODE 0999		
Number of hours			707.0	Number of days of plant operation		30
Were samples tak	ken every 4 hours of pla	nt operation? (Y/N)	Y	Were samples taken each day of operation?	(Y/N)	N
Number of sample	*************		180	Number of lowest chlorine samples recorded		30
Highest single turi	100000000000000000000000000000000000000		0.11	Lowest single chlorine reading	***************	1.62
	cept slow sand filtration			If less than required: Was residual restored within 4 hours of plant	operation? (V/N)	100
	mples exceeded 0.1 NT	~~~~~~~~~~~~~~~		Free Chloring (for all disinfectants except chic	oromine):	
	mples exceeded 0.3 NT mples exceeded 1 NTU		<del>-</del>	Number of samples under 0.2 mg/L	,	(
	slow sand filtration:	*****************		Total Chlorine (when disinfectant is Chloramir	ne):	
	mples exceeded 1 NTU			Number of samples under 0.5 mg/L		
	mples exceeded 5 NTU			-		
CHLORI	NE DIOXIDE ENTRY P	OINT MONITORING		CHEORITE ENTRY POINT MG	INITORING	
APPLICABLE	TO PLANTS UTILIZIN	IG CHLORINE DIOXI	DE	APPLICABLE TO PLANTS UTILIZING	CHLORINE DIOXIC	)E
ANALYTE CODE				ANALYTE CODE 1009		9.0
Number of days o			30	Number of days of plant operation	() ( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	30
	ken each day of operation	on? (Y/N)	100	Were samples taken each day of operation?	(Y/N)	
Number of sample			0.00	Number of samples taken  Highest single chlorite reading		0.00
Highest single chi	orine dinvide reading		44 (1111 )	m minesusinose chionie (eauliio		0.00
	ne dioxide samples exce	adad 0.9 ma/l	0.00	Number of chlorite samples exceeded 1 mg/L		- (

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting felse information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

07-08-2013

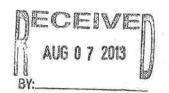
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273				MONITORING PERIO		06/2013
AI 2987		NOTE: COMPL	ETE ALL	APPLICAL	BLE FIELDS!!! NO	T ALL OF THE I	IELDS ARE PRE
	-	1 1280		POP	<b>ULATED FOR YO</b>	UIII	1
	PURCHASI					SIONO	
		APPLICAE	LE TO ALI	L WATER S	YSTEMS	11014/14	0110 (11)
FROM WHOM?	(PWS ID)	HOW MUCH? (gallo	ns)	TO	WHOM? (PWS ID)	HOW MU	CH? (gallons)
WV3303003			0				
KY0980575			0				
0	z =						
	N						
							7.1
W							
				N		_	
,				/			
11							1.25
-			-				
		en manufacture de la companya de la					
							3-3-1
1				-		-	
•						-	
-4-12							
				-			
				-		-	
				-	NAME OF TAXABLE PARTY.	-u	
						_	
San SEction				100.0		- 2 3 3	1-7-10-1922
						particular de la company	eranyesanyeskenih sid
	Section (Section 2)	DISTRIBUTION RES	DUAL DIS	L WATER S	EVETEMS		
ANALYTE CODE	0999	AFFLICA	JLE TO AL	LWAILN	21 01 11110		
Number of days of o	peration		30	Free Chlor	ine (for all disinfecta	nts except chloram	ilne)
Were samples taken		tion? (Y/N)	Y		er of samples under 0		0
Number of samples			Danie		<u>rine</u> (when disinfecta		
FREE			120		or of samples under (		
TOTAL			120				
Lowest single FREE	chlorine reading		0.25				
Lowest single TOTA			0.27				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent O7-08-2013

Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

#### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

PWS ID :	KY0800273 PLANT ID:	A PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	PLANT CLASS: _:	DIST. CLASS: 2
GENCY INTEREST (AI):	2987	DATE MAILED:	08-05-2013
SOURCE NAME:	Crum Reservoir	COUNTY:	Martin
	Tug Fork		
	OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	1V-A	17562
WTP SHIFT 2:	Michael Sartin	1V-A	21944
WTP SHIFT 3:	Jerry L Belcher	1V-A	21719
DISTRIBUTION: THIS REF	PORT MUST BE RECEIVED BY THE DIVISI	ON OF WATER AND	APPLICABLE FIELD OFFICE
THIS REP	NO LATER THAN 10 DAYS AFT		
THIS REF	NO LATER THAN 10 DAYS AFT	ER THE END OF TH	
THIS REF	NO LATER THAN 10 DAYS AFT	ER THE END OF THE	
THIS REF TREATMENT PLANTS  1. DESIGN CAPACITY (gpm):  2. TYPE OF FILTRATION USI	NO LATER THAN 10 DAYS AFT           COMPLETE:         1.0           ED:         Dual	ER THE END OF THI 667 Media	
THIS REF	NO LATER THAN 10 DAYS AFT           COMPLETE:         1,           ED:         Dual           E (gpm/sq. ft.):         2	ER THE END OF THE	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE

APPEICABLE TO ALL PLANTS

KY0800273 PWS ID: PLANT ID: 07/2013

REPORT MONTH/YEAK:

OF 11 PAGE DISINFECTANT DISINFECTANT COAGULANT PH ADJUSTMENT RAW COAGULANT HOURS WATER PLANT Post OPERATED TREATED PPM LBS PPM LBS PPM PPM LB9 LB9 DAY. GALLONS LB6 PPM 32.8 174.7 11.0 520.9 237.4 4.2 0.3 14.9 24.0 1,907,000 11.7 183.2 0.3 520.9 33.2 4.2 265.1 16.9 24.0 1,884,000 11.6 520.9 32.9 183.2 0.3 265.1 16.8 4.2 24.0 1,896,000 32.2 178.8 11.6 497.1 17.2 4.2 0.3 1,850,000 24.0 265.1 175.6 11.2 507.0 32.4 1,878,000 24.0 265.1 16.9 4.2 0.3 11.6 179.3 501.3 4.0 0.3 23.0 254.2 16.5 1,852,000 32.1 183.2 11:5 508.9 265.1 16.7 4.2 0.3 1,903,000 24.0 194.1 12.4 0.3 575.0 36.8 24.0 312.5 20.0 4.2 1,872,000 12.5 608.0 39.0 195.0 0:3 24.0 312.5 20.1 4.2 1,868,000 12.0 38.3 190.1 608.0 0.3 1,903,000 24.0 312.5 19.7 4.2 195.0 12.6 36.9 572.4 1,858,000 24.0 312.5 20.2 4.2 0.3 12.1 190.1 572.4 36.3 4.2 0.3 1,890,000 24.0 312.5 19.8 36.6 183.2 12.0 558.7 0.3 4.2 312.5 20.5 1,831,000 24.0 12.5 194.6 575.9 36.9 0.3 20.0 4.2 312.5 1,872,000 24.0 12.5 548.7 36.3 188.1 0.3 20.7 4.2 312.5 1,810,000 24.0 553.1 35.7 183.1 11.8 20.2 4.2 0.3 24.0 312.5 1,856,000 186.7 12.7 512.4 34.7 17 23.0 299.5 20.3 4.0 0.3 1,769,000 191.3 12.5 553.8 36.1 0.3 15.5 1,838,000 24.0 237.4 12.4 183.9 592.1 39.9 15.3 4.0 0.3 227.5 1,778,000 23,0 19 607.8 39.7 194.6 12.7 0.3 237.4 15.5 4.2 24.0 20 1,837,000 580.6 38.9 191.3 12.8 0.3 4.2 24.0 237.4 15.9 1,791,000 21 13.4 40.4 205.8 620.1 15.5 4.2 0.3 237.4 1,842,000 24.0 22 14.3 636.9 42.8 213.1 0.3 4.2 1,783,000 24.0 237.4 16.0 606.0 39.1 206.9 13.4 0.3 24,0 237.4 15.3 4.2 24 1,856,000 611.9 40.5 193.2 12.8 24.0 16.0 4.2 0,3 241.4 1,813,000 37,9 209.4 13.6 584.0 265.1 17.2 4.2 0,3 1,850,000 24.0 11.0 166.3 559.8 37.0 265.1 17.5 4.2 0.3 24.0 1.815.000 11.6 180.1 584.5 37,6 24.0 265.1 17.1 4.2 0.3 1,862,000 12.1 566.3 37.3 183.2 0.3 1,819,000 24.0 265.1 17,5 4.2 38.0 178.8 11.5 588.5 1,858,000 24.0 265.1 17.1 4.2 0.3 173.9 11.4 534.4 35.0 4.2 0.3 17.4 1,831,000 24.0 265.1 5829.8 17488.3 129.6 0.0 8413.0 TOTAL 57,272,000 12.2 36.6 188.1 564.1 #DIV/0! 17.6 4.2 0.3 #DIV/01 1,847,484 271.4

1,907,000

AVERAG

MAX

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 07/2013

PAGE 2 OF 11

	DISINFEC		FLUOF	RIDE	CARE			JSTMENT	KMn		CORRO	BION	H20	
							Por	at						
	LBS	РРМ	LBS	PPM	LBS	РРМ	LB\$	РРМ	LBS	PPM	LB9	PPM	LBS	PPM
	695.6	43.7	60.9	3.8										
	704.1	44.8	60.9	3.9										
	704.1	44.5	60.9	3.9										
	675.9	43.8	60.9	3.9										
	682.6	43.6	60.9	3.9										
	680.6	44.1	58.4	3.8			-							
	692,1	43.6	60.9	3.8										
	769.1	49.3	60.9	3.9									-812-	
	803.0	51.5	60.9	3.9										
	798.1	50.3	60.9	3.8										
	767.4	49.5	60.9	3.9										
	762.5	48.4	60.9	3.9										
	741.9	48.6	60.9	4.0										
	770,5	49.4	60.9	3.9										
	736.8	48.8	60.9	4.0										
	736.2	47.6	60.9	3.9										
	699.1	47.4	58.4	4.0									1.2	0.1
	745.1	48.6	80.9	4.0									2.4	0.2
	776.0	52.3	58.4	3.9									2.3	0.2
	802.4	52.4	60.9	4.0									2.4	0,2
	771.9	51.7	60.9	4.1									2.4	0,2
	825.9	53.8	60.9	4.0									2.4	0.2
	850.0	57.2	60.9	4:1									2.4	0.2
	812.9	62.5	60.9	3,9		3'							2.4	0.2
	805.1	53.2	60.9	4.0								L	2,4	0.2
	793.4	51.4	60.9	3.9			7						2.4	0.2
	726:1	48.0	60.9	4.0									2.4	0.2
	764.6	49.2	80.9	3.9									2.4	0.2
	749.5	49.4	60.9	4.0									10.4	0.7
	787.3	49,5	60.9	3.9									10.4	0.7
	708.3	48.4	60.9	4.0									10.4	0.7
AL	23,318.1		1,880.4		0.0		0.0		0.0		0.0		58.8	
AGE	752.2	48.9	60.7	3.9	#DIV/01	#DIV/0!	#DIV/0I	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0i	#DIV/01	3.9	0.3

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS:

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

07/2013

		pH		TO.	TAL	TO'	TAL		CHLORINE	E SPECIFIEI RESIDUAL PLA			TURBIDITY (N	ITU)
		TOP OF		ALKA	LINITY		NESS		TER	T/	AP		SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
11	7.37	7.43	7.34	99	95	153	150	0.84	0.71	2.06	1.94	7.58	0.14	0.06
2	7.36	7,45	7.34	102	96	155	150	0.89	0.76	2.08	1.96	9.24	0.17	0.06
	7.39	7.46	7.34	102	97	157	153	0.84	0.70	2.11	1.99	8.27	0.14	0.05
4	7.38	7.48	7.35	100	94	151	146	0.92	0.79	2.13	2.00	12.90	0.15	0.05
6	7.36	7.47	7.36	102	96	151	146	0.86	0.74	2.10	1.98	20.50	0.16	0.05
	7.43	7.47	7.35	114	109	154	149	0.88	0.74	2.13	1.99	18.20	0.18	0.05
7	7.42	7.46	7.43	116	109	149	146	0.78	0,66	2.10	1.99	17.40	0.18	0.06
ij	7.34	7.40	7.31	86	84	136	132	0.70	0.58	2.11	2.02	33.90	0.17	0.06
0.	7.36	7.38	7.27	82	78	125	119	0.76	0.64	2.11	2.01	29.40	0.16	0.05
10	7.37	7.41	7.29	75	72	107	102	0.80	0.70	2.16	2.05	22.40	0.12	0.05
10	7.35	7,41	7.28	87	85	123	117	0.73	0.64	2.03	1.94	16.50	0.13	0.05
12	7.34	7.42	7.30	87	82	135	132	0.77	0.64	2.10	1.98	12.60	0.17	0.05
13	7.37	7.41	7.32	89	84	132	128	0.83	0.70	2.05	1.95	10.80	0.15	0.06
14	7.34	7.42	7.33	88	83	143	136	0.95	0.83	2.18	2.08	10.10	0.17	0.05
115	7.34	7.41	7.30	91	88	138	135	0.85	0.75	2.13	2.01	9.21	0.15	0.05
10	7.33	7.42	7.30	103	98	148	144	0.85	0.72	2.11	2.00	7.83	0.16	0.05
17	7.34	7.43	7.30	95	83	136	134	0.86	0.75	2.08	1.98	7.10	0.17	0.05
18	7.34	7.46	7.32	94	87	135	134	0.75	0.65	2.00	1.90	6.17	0.15	0.05
19	7.38	7.48	7.37	120	116	150	146	0.82	0.71	2.12	1.99	5.08	0.16	0.05
201	7.37	7.46	7.37	106	100	155	149	0.83	0.71	2.08	1.96	4.99	0.13	0.06
21	7,41	7.45	7.37	105	100	156	149	1.04	0.90	2.19	2.09	4.14	0.13	0.06
22	7.37	7.44	7.36	102	96	156	151	0.85	0.69	2.13	2.01	5.15	0.13	0.05
255	7.40	7.46	7.38	105	100	157	151	0.83	0.69	2.11	1.98	4.27	0.14	0.05
24.	7.42	7.47	7.40	104	99	162	157	0.98	0.84	2.23	2.12	3.95	0.12	0.05
46	7.44	7.50	7.41	107	103	163	157	0.94	0.81	2.15	2,03	6.75	0.18	0.05
26	7.50	7.53	7.44	105	101	164	159	0.98	0.85	2.18	2.04	8.45	0.18	0.05
27/	7.62	7.60	7.48	113	108	170	164	0.98	0.85	2.19	2.07	9.82	0.15	0.05
þi.	7.67	7.66	7.52	116	114	167	168	0.94	0.81	2.16	2.01	8.46	0.17	0.05
29	7.74	7.71	7.56	116	112	182	177	0.88	0.75	2.16	2.02	7.82	0.16	0.05
30	7.82	7.73	7.61	127	122	184	181	0.85	0.72	2.16	2.03	5.90	0.19	0.05
541	7.84	7.80	7.66	121	114	188	180	0.97	0.83	2.13	2.01	5.24	0.14	0.05
AVERAGE	7.4	7.5	7.4	102	97	151	147	0.86	0.74	2.12	2.00	10.97	0.15	0.05

#### OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

PLANT ID:

A 2987

AGENCY INTEREST: 2
REPORT MONTH/YEAR:

07/2013

DRINKING WATER BRANCH
WATER TREATMENT PLANT MONTHLY OPERATION REPORT
AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

KENTUCKY DIVISION OF WATER

COPY PAGE AS NEEDED

PAGE 4

OF 1

	RAW DAILY			NTATION DAILY M		UENT				INDIVIDUA	L FILTER E		#6	#7	CFE DAILY MAXIMUM
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#0	10.1	mrodino
1	7.58		0.18	0.24						0.07	0.06	0.07	0.07		0.07
1	9.24	- 2	0.22	0.19				- 1		0.08	0.07	0.06	0.07		0.07
3	8,27		0.21	0.14						0.07	0.06	0.07	0.07		0.06
a	12.90		0.24	0.22						0.07	0.06	0.08	0.08		0.07
5	20.50	Е Н	0.19	0.19						0.07	0.06	0.07	0.07		0.06
8	18.20	V	0.19	0.37					I.	80.0	0.06	0.08	0:07	L Ly	0.07
75	17.40	111	0.20	0.26						0.08	0.07	0.09	0.08		0.07
8	33.90	ia i	0.22	0.25						0.08	0.07	0.11	0.10		0.08
9	29.40		0.24	0.19		1000000				0.08	0.07	0.07	0.07		0.07
10	22.40		0.14	0.19						0.08	0.07	0.07	0.07		0.07
11	16.50		0.14	0.17				-		0.07	0.06	0.07	0.07		0.06
112	12.60		0.19	0.34						0.07	0.06	0.09	0.09		0.07
11	10.80		0.23	0.27				1		0.08	0.07	0.06	0.07		0.08
14	10.10		0.18	0.33				20		0.07	0.07	0.06	0.07		0.07
15	9.21	E LY	0.19	0.20						0.07	0.06	0.06	0.07		0.06
16	7.83		0.20	0.23						0.07	0.06	0.09	0.08		0.07
17	7.10		0.44	0.24						0.07	0.06	0.07	0.07		0.07
10	6.17		0.16	0.33						0.07	0.06	0.07	0.06		0.07
10	5.08		0.22	0.24						0.07	0.07	0.07	0.07		0.08
20	4.99		0.16	0.24						0.07	0.06	0.09	0.09		0.07
21	4.14		0.17	0.28						0.08	0.07	0.07	0.07		0.07
212	5.15		0.15	0.17						0.07	0.07	0.07	0.07		0:07
24	4.27	+	0.23	0.17						0.08	0.06	0.07	0.06		0.07
91	3.95		0.15	0.15						0.07	0.06	0.08	0.08	Na Marine	0.07
25	6.75		0.23	0.32						0.07	0.06	0.09	0.07		0.07
20	8.45		0.26	0.26						0.07	0.06	0.08	0.07		0.07
27	9.82		0.20	0.24	**************************************					0.07	0.06	0.10	0.08		0:08
201	8.46		0.25	0.29						0.07	0.07	0.07	0.07		0.08
29	7,82		0.28	0.21						0.07	0.06	0.07	0.07		0.08
90	5.90		0.27	0.34						0.08	0.06	0.07	0.07	- I A	0.08
41		Į.	0.15	0.23						0.07	0.06	0.08	0.08		0.08
VERAG		#DIV/0!	0.2	0	#DIV/01	#DIV/01	#DIV/0!	#DIV/01	#DIV/0	0.07	0.06	0.08	0.07	#DIV/01	0.07

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

0

Number of readings For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L 31

KY0800273 A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

07/2013

	*Please ans	wer Y/N ques	stion below	this chart.						5 OF	11
	Market		A SOLVE A	NALYTICAL RI			ESS OTHERWI	SE SPECIFIEI	)), zi (* * * * * * * * * * * * * * * * * * *	4	WATER
	FLUC	RIDE	IR	ON	MAN	GANESE			Lowest Dally Chtorine Residual Plant Tap On-Line Chtorine Analyzer	RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1	0.10	1.08	0.13	0.03	0.09	0.01			1.65	0.3	24.4
2	0.11	1.03	0.15	0.03	0.10	0.01			1.75	0.1	24.2
1	0.17	1.06	0.16	0.03	0.22	0.01			1.85	0.7	24.8
4	0.09	1.02	0.18	0.03	0.13	0.01			1.85	0.1	24.8
5	0.00	1.14	0.27	0.03	0.16	0.01			1.80	0.4	24.9
6	0.02	1.10	0.26	0.03	0.14	0.01			1.69	0.1	25.0
7	0.11	1.14	0.25	0.03	0.12	0.01			1.75	0.7	25.1
8	0.00	1.03	0.51	0.03	0.23	0.01			1.75	1.1	24.7
9	0.00	1.03	0.52	0.03	0.20	0.01			1.70	0.0	24.6
10	0.03	0.92	0.32	0.03	0.17	0.01			1.90	0.0	24.7
11	0.00	1.05	0.30	0.03	0.15	0.01			1.75	0.3	24.8
12	0.01	1.05	0.28	0.03	0.11	0.01			1.85	0.1	24.5
13	0.06	1.02	0.29	0.03	0.11	0.01			1.75	0.0	24.6
14	0.13	1.09	0.21	0.03	0.11	0.01			1.90	0.0	24.6
15	0.05	1.06	0.20	0.03	0.11	0.01			1.80	0.0	25.0
16	0.10	1.15	0.17	0.03	0.12	0.01			1.80	0.0	25.0
17	0.15	0.95	0.15	0.07	0.08	0.01			1.85	0.0	25.4
18	0.17	0.99	0.09	0.03	0.16	0.01			1.90	0.1	25.4
19	0.19	1.07	0.13	0.03	0.11	0.01			1.85	0.0	25.3
20	0.21	1.09	0.11	0.03	0.13	0.01			1.90	0.8	25.8
21	0,22	1.06	0.13	0.03	0.13	0.01			2.00	0.0	25.9
27	0.16	1.08	0.11	0.03	0.11	0.01			1.95	0.1	25.7
23	0.21	1.04	0.10	0.03	0.11	0.01			1.85	1.0	25.5
24	0.15	1.01	0.07	0.03	0.10	0.01			1.80	0.0	25.6
25	0.14	1.05	0.10	0.03	0.10	0.01			1.80	0.0	25.6
26	0.10	1.02	0.16	0.03	0.11	0.01			1.75	0.0	25.7
27	0.10	1.03	0.16	0.03	0.11	0.01			1.80	0.0	25.5
28	0.15	1.04	0.16	0.03	0.10	0.01			1.90	0.2	26.1
29	0.15	1.02	0.14	0.03	0.09	0.01			1.80	0.0	25.5
30	0.19	1.16	0.13	0.03	0.09	0.01			1.90	0.0	25.4
31	0.27	1.06	0.10	0.03	0.08	0.01			1.70	0.0	25.8
VERAGE		1.05	0.19	0.03	0.13	0.01	#DIV/0}	#DIV/01	Monthly Minimum	l otal Rainfall	25.2
									1.65		

Disinfectant Chloramines? (Y/N)

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

OF

11

REPORT MONTH/YEAR: 07/2013

PAGE 6

The same of the sa				and the second		6	No:	6	No:	
OTAL	No:	160	No: AREA (square feet)	160	No: AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	
ALLONS	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR6	WASHWATER GALLONS	FILT RUN HR8
0										
5,000	14,000	95.00	11,000	95.00						
0										
9,000					16,000	90.70	13,000	90.70		
0										
9,000	15,000	95.00	14,000	95.00						
0										
5,000					13,000	94.90	12,000	94.90		
26,000	13,000	87.10	13,000	87.10						-
0										- 00
32,000					17,000	91.00	15,000	91.00		1
0									<u> </u>	
30,000	15,000	95.10	15,000	95.20						
0										- 12
30,000					15,000	95.10	15,000	95.10		-
0										<u> </u>
27,000	14,000	93.90	13,000	93.90						
0										-
31,000					16,000	94.90	15,000	94.90		-
0		ļ								
28,000	14,000	94.90	14,000	94.90						
0		-								-
32,000	ļ				16,000	94.90	16,000	94.90		
0				-						
30,000	15,000	93.90	15,000	93.90						1
0								04.00		
32,000	ļ	-			16,000	91.30	16,000	91.30	T C 1 7 3	
0		2000								
32,000	16,000	99.30	16,000	99.30						
0				-			4=	0.75		
30,000										2.00
468,000	116,000	754.20	111,000							0.00 #DIV/0
30,000	)	116,000	116,000 754.20	116,000 754.20 111,000 14,500 94.275 13,875	116,000 754.20 111,000 754.30	116,000 754.20 111,000 754.30 124,000 14,500 94.275 13,875 94.288 15,500	116,000 754.20 111,000 754.30 124,000 747.70 14,500 94.275 13,875 94.288 15,500 93.463	116,000 754.20 111,000 754.30 124,000 747.70 117,000 14,500 94.275 13,875 94.288 15,500 93.463 14,625	116,000 754.20 111,000 754.30 124,000 747.70 117,000 747.70 14,500 94.275 13,875 94.288 15,500 93.463 14,625 93.463	116,000 754.20 111,000 754.30 124,000 747.70 117,000 747.70 0 14,500 94.275 13,875 94.288 15,500 93.463 14,625 93.463 #DIV/0I

COPY AS NEEDED

REPORT M

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 07/2013

PAGE

OF

	CHE	MICALS ADDED					SULTS			
	CHLORINE	CHLORINE BOOSTER	NO	RTH	TOTAL	(T) AND FREE (F) C	HLORINE RESIDUAL EAS	(ppm)	WES	IT
1	BOOSTER LB8	LB8	ī	P	T	F	T 2	F	T	р
	0.0		0.62	0.48	0.85	0.77	1.60	1.53	0.87	0.77
	0.0		1.50	1.37	1.36	1,28	1.43	1.34	1.20	1.12
	0.0		1.15	1.07	0.71	0.58	1.36	1.25	1.63	1,40
	0.0		1.37	1.29	0.73	0.63	1.52	1.42	0.73	0.84
	0.0		1.46	1.39	1.45	1.34	0.57	0.46	0.88	0.76
	0.0		1,48	1.40	1.80	1.49	0.33	0,30	0.94	0.82
	0.0	0.00	1,53	1.41	1.44	1.37	0.25	0.23	0.34	0.23
	0.0		1.32	1.22	0.67	0.61	1.15	1.06	0.93	0,88
	0.0		1.53	1.44	0.94	0.86	1.44	1.37	0.59	0.53
	0.0		1.41	1.30	1,06	0,97	1,33	1.18	1,52	1:46
	0.0	7.5	1.25	1,17	1.17	1.09	1.41	1.33	1,12	1.06
	0,0		1.47	1.39	0.58	0.49	1.55	1.44	0.82	0.71
	0.0		1,19	1.09	1.01	0.91	1.23	1.13	1.52	1.44
	0.0		1.15	1.11	0.87	0.79	1.24	1.15	1.63	1,51
	0.0		1.35	1,28	0.78	0.68	1,48	1.38	0.81	0.72
	0.0		1.37	1.28	0.83	0.75	1.25	1.10	1.50	1.39
	0.0	120	0.72	0,63	0.33	0.28	1.47	1.35	0.79	0.65
	0.0		1.21	1.11	1,11	1.02	1.30	1.21	1,11	1.05
	0.0		1.16	1.06	0.70	0.64	1.17	1.14	0.79	0.74
ij,	0.0		1.45	1.37	1,59	1.55	0.33	0.31	0.79	0.66
	0.0		1.57	1.46	1.51	1.43	0.21	0.20	0,30	0.27
	0.0	950	1.41	1.30	0.81	0.73	1.47	1.39	0.81	0.73
	0.0		0.85	0.69	0.81	0.71	1.28	1.21	1.46	1.39
	0.0		1.60	1.49	0.94	0.82	0.60	0.49	1.82	1.74
	0.0		0.95	0,79	1.35	1.28	1.58	1.49	0.81	0.73
	0.0		1.55	1.43	0.95	0.80	1.69	1.50	0.91	0.82
	0.0	- 868		1.08	0.98	0.89	1,23	1.14	1.60	1.51
	0.0		0.77	0.69	1.08	1.01	1.2B	1.17	1.46	1.39
	0.0		1.36	1.23	0.67	0.68	1.48	1.35	0.99	0.86
×	0.0		1.29	1.16	0.73	0.59	1.68	1,53	0.84	0.71
	0.0		1.28	1,41	0.81	0.72	1.17	1.07	0.42	0.34
GE.	0.0	#DIV/0I Aver	rage 1.27	1.18	0.98	0.89	1.19	1.11	1.03	0:94
	0.0		mum 0.62		0.33		0,21		0.30	
		Free Mid	mum	0.48		0.28		0.20	25 July	0.23

# Less than 0.2 mg/L/0.6 mg/L
Number of Free Residuals 124 Mainturn Monthly Free Residual Number of Total Residuals 124 Total # Less than 0.2 mg/L 0

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080		-:
	TURBIDITY R	CHARLES THE PARTY OF THE PARTY			100 ·-	PLANT ID:	Α		<b>=</b> 1)
PWS N	Carrier Street, Carrier Street		ANTS WITH FILE	5620	Report Period	(MM/YYYY):	07/2	013	PAGE: 8 OF 11
DAY			Mid -4 301	4 sm. 8 am	8.am : Noon	= Noon · A pm	4 pm - 8 pm	8 pm - Mid	Daily Maximum
1	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0,070
	24.0	6	0.07	0.07	0.06	0.06	0.07	0.06	0.070
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
1	24.0	6	0.06	0.07	0.07	0.06	0.06	0.06	0.070
5	24.0	6	0.06	0.06	0.06	0.06	0.06	∞ 0.06	0.060
6	23.0	6	0.06	0.07	0.06	0.06	0.06	0.07	0.068
7	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
8	24.0	6	0.07	0.08	0.07	0.06	0.06	0.06	0.080
9	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
10	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
11	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
12	24.0	6	0.07	0.07	0.07	0.06	0.06	0.06	0.070
13	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
14	24.0	6	0.07	0:07	0.06	0.06	0.06	0.06	0.070
167	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
1616	24.0	6	0.07	0.07	0.07	0.06	0.06	0.06	0.070
17	23.0	6	0.07	0.07	0,07	0.06	0.06	0.06	0.070
18	24.0	6	0.07	0.07	0.07	0.06	0.07	0.07	0,070
40	23.0	6	0.08	0.07	0.08	0.06	0.06	0.06	0.080
70	24.0	6	0.07	0.07	0.06	0.06	0.06	0.07	0.070
41	24.0	6	0.07	0.06	0.07	0.07	0.06	0.07	0.070
22	24.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
73	24.0	6	0.06	0.07	0.06	0.06	0.07	0.06	0.070
24	24.0	6	0.07	0.07	0.06	0.06	0.06	0.07	0.070
25	24.0	6	0.07	0.06	0.06	0.06	0.06	0.07	0.070
26	24.0	6	0.07	0.07	0.06	0.06	0.07	0.06	0.070
. XT	24.0	6	0.07	0.07	0.07	0.07	0.07	0.08	0.075
28	24.0	6	0.08	0.08	0.07	0.07	0.07	0.07	0.080
26	24.0	6	0.08	0.08	0.07	0.07	0.07	0.07	0.080
30	24.0	6	0.08	0.08	0.08	0.07	0.07	0.07	0.080
31	24.0	6	0.07	0.07	0.07	0.07	0.07	0.08	0.075
Total	741.0	186			TO:	TAL # OF TURBIDITY	SAMPLES TAKEN	186	0.080
ARE Y		R CONVENTION	NAL or DIRECT FIL	TRATION? (Y/I	ν) <b>Υ</b>				
	ber of samples ex		0.1 NTU	0	0.3 NTU	0	1 NTU	0	-
	For slow sand fill	tration, the num	ber of samples exc	eeding>	1 NTU		6 NTU		_
	E: The "Number of the next whole nu		ples Required" is	the number of h	nours the plant oper	rated divided by	Frounded		
	100	17. 0	lings were taken	and the office of	during plant opera	ation and in the	08-00-	ed above. 2013 ate	<u></u>

WS Name:	Martin County Water D	elstrict		
WS ID:	KY0800273	_		
ANT ID:	A	10040		
eport Period (MM/YYYY):	07	/2013		
any filter exceeded any also listed on the Summ ne appropriate report(s).	one of the Individual filte ary Sheet ), complete the	r turbidity triggers i following and subr	below, nit	PAGE 9 OF
	Number (NTU)	Trigger Level (see helow)	Reason for Exceedance (if know	Date and Time State was Contacted
Date Filter	Number (NTU)	A STATE OF THE PARTY OF THE PAR	The state of the s	
			- 19-19-19-19-19-19-19-19-19-19-19-19-19-1	
- C.T.				
				D 107 (4 - (4
				4 1 1
				7 9 6
			****	

### Report Required:

For Trigger B.:

For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

at any time in each of 3 consecutive months.

at any time in each of 2 consecutive months.

For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY	(YY) <b>07/2013</b>	ĴĿ.
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL O POPULATED FOR YOU!!!	F THE FIELDS ARE	PRE
				ORMATION DALL PLANTS		202
PLANT ID A PLANT NAME AGENCY INTERE	Martin County V		TOT AVE	TAL PLANTS  TAL WATER TREATED (gallons)  E. DAILY PRODUCTION (gallons)  KIMUM PUMPAGE (gallons per day)	57,272,000 1,847,484 1,907,000	_
		APPLICABLE TO	ILTER E	FLUENT TURBIDITY		
Vere measureme Vas there a failur If Yes, (1) we (2) wa Vas individual filt Vas individual filt Was individual filt Was individual filt	s the continuously moniter level greater than 1.0 er level greater than 0.5 er level greater than 1.0 er level greater than 2.0	ninutes? (Y/N) itoring equipment? (' it turbidity grab samp toring equipment repa NTU in two consecut ut the Individual Fif	les collect aired within ive measi ive measi live measi ter Turbic	ted every four hours of operation? (Y/N) in 5 working days? (Y/N) urements? (Y/N) urements after on line for more than four h urements in three consecutive months? (Y/N) urements in two consecutive months? (Y/N) dity Sheet and submit with the MOR	//N)	Y N N N
APPLICA  ANALYTE CODE  Number of hours  Were samples ta  Number of sampl  Highest single tur  For all filtration ex  Number of sa	of plant operation ken every 4 hours of plaes taken	nt operation? (Y/N)	741.0   Y   186   0.08   0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples recor Lowest single chlorine reading If less than required: Was residual restored within 4 hours of p Free Chlorine (for all disintectants except	on? (Y/N) ded lant operation? (Y/N)	31 31 1.68
Number of sa When filtration Is Number of sa	mples exceeded 0.3 NTU slow sand filtration: mples exceeded 1 NTU mples exceeded 5 NTU		0	Number of samples under 0.2 mg/L <u>Total Chlorine</u> (when disinfectant is Chlor Number of samples under 0.5 mg/L	ramine):	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent Date

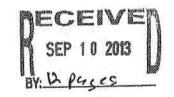
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIC	D (MMYYYY) 07/2013	
AI 298		NOTE: COMPL	ETE ALL	PPLICABLE FIELDS!!! NO	TALL OF THE FIELDS ARE	PRE-
AI	<del>'</del>			POPULATED FOR YOU	JIII	Last i
	PURCHAS				SOLD	
		APPLICAE	BLE TO ALL	WATER SYSTEMS	HOW MUCH? (gollong)	3.34
	IOM? (PW\$ ID)	HOW MUCH? (gallo		TO WHOM? (PWS ID)	HOW MUCH? (gallons)	_
WV3303003			0			
KY0980575			0			_
				en de la companya de		_
3						-
						-
- Inches				<del></del>	-	
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(Value Arian III)				-		-
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13 (C) (C)				/		A.
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-			الــــــــــــــــــــــــــــــــــــ			
		DISTRIBUTION RES	IDUALDISI	NEECTANT CONCENTRATION		
		APPLICA	BLE TO ALI	WATER SYSTEMS		
ANALYTE CO			24	Free Chiorine (for all disinfectar	nts except chloramine)	
Number of day			31	Number of samples under 0		0
	taken each day of ope	ration? (Y/N)	Y	Total Chlorine (when disinfectal		
Number of san	nples taken:		124	Number of samples under 0	5 mg/l	
FREE	naga a di unua ani internaciona a consecuencia della consecuencia di una consecuencia di una consecuencia di u		124	Trainion of complete and of a		_
TOTAL	FREE chlorine reading		0.20			
25/	TOTAL chlorine reading		0.21			
Lowest single	TOTAL GIROTING TEAGIN	,	V-21	- Company		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

08-05-2013 Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

# MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS Indicate one Surface water

PWS ID :	KY0800273 PLANT ID:	A PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	PLANT CLASS:	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987	DATE MAILED:	09-05-2013
SOURCE NAME:	Crum Reservoir	COUNTY:	Martin
	Tug Fork	_	Name of the same o
	OPERATOR(S) RESPONSIBLE / IN-CHARG	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	1V-A	17562
WTP SHIFT 2:	Michael Sartin	1V-A	21944
WTP SHIFT 3:	Jerry L Belcher	1V-A	21719
DISTRIBUTION:			
	PORT MUST BE RECEIVED BY THE DIVIS		
	PORT MUST BE RECEIVED BY THE DIVIS		
	NO LATER THAN 10 DAYS AF		
THIS RE	NO LATER THAN 10 DAYS AF		
THIS RE	NO LATER THAN 10 DAYS AF	TER THE END OF TH	
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)	NO LATER THAN 10 DAYS AF  COMPLETE:  ED: Dui	,667	
THIS REI TREATMENT PLANTS  1. DESIGN CAPACITY (gpm) 2. TYPE OF FILTRATION US	NO LATER THAN 10 DAYS AF  COMPLETE:  : ED: Dua  TE (gpm/sq, ft,):	,667 Il Media	
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)  2. TYPE OF FILTRATION US  3. DESIGN FILTRATION RAT	NO LATER THAN 10 DAYS AF  COMPLETE:  : ED: Dui TE (gpm/sq. ft.): ATER USED:	,667 Il Media 2.66	
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)  2. TYPE OF FILTRATION US  3. DESIGN FILTRATION RAT  4. PERCENT BACKWASH W	NO LATER THAN 10 DAYS AF  COMPLETE: : :ED: Dust  TE (gpm/sq. ft.): ATER USED: #2 - 3/18/2	,667 al Media 2.66 0.8	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalties under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

East T. alley

09-04.2013

DATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

PEANT ID: A

REPORT MONTH/YEAR: 08/2013

PAGE 1 OF 11

			oson which is to the second Audi			250 St St H250	//sincersor	THE PARTY OF	PAGE	1	OF	11
198	RAW WATER	HOURS PLANT	COAGU	-	COAGL		pH ADJUS	TMENT	DIBINFEC		DISINFE	CTANT
	TREATED	OPERATED			LBS	PPM	LBS	PPM	LBS	PPM	Pos	PPM
AY	GALLONS		LBB	PPM			LBS	FFIR	503.8	34.0	175.6	11.8
	1,779,000	23.0	254.1	17.1	4.0	0.3						12.6
	1,856,000	24.0	265.1	17.1	4.2	0.3			572,9	37.0	195.0	
3	1,879,000	24.0	265.1	16.9	4.2	0,3			574.7	36.7	173.9	11.1
1	1,838,000	24.0	265.1	17.3	4.2	0.3			550.8	35.9	173.9	11.3
9	1,871,000	24.0	265.1	17.0	4.2	0.3			557,1	35,7	183.1	11.7
6	1,722,000	22.0	265.1	18.5	4.2	0,3			547.9	38.2	183.1	12.7
	1,891,000	24.0	265.1	16.8	4.2	0.3			506.7	32.1	169.1	10.7
8	1,858,000	24.0	265.1	17.1	4.2	0.3			468.9	30.3	169.1	10.9
9	1,898,000	24.0	265.1	16.7	4.2	0.3			450.0	28.4	186.2	11.8
	1,868,000	24.0	265.1	17.0	4.2	0.3			442.3	28.4	177,6	11.4
(0)	1,900,000	24.0	265.1	16.7	4.2	0.3			460,2	29.0	194.3	12.3
m C				17.0	4.2	0.3			459.1	29.4	179.2	11.5
2	1,875,000	24.0	265.1			0.3			483.6	30.6	202.0	12.8
8	1,897,000	24.0	265,1	16.8	4.2				515.8	32.6	193.1	12.2
4:0	1,898,000	24.0	265.1	16.7	4.2	0.3		~				11.5
8 2	1,824,000	23.0	299.5	19.7	4.0	0.3			490,5	32.2	175.5	
6	1,906,000	24.0	265.1	16.7	4.2	0.3			499.4	31.4	183.2	11.5
	1,837,000	23.0	254.1	16,6	4.0	0.3			492.8	32.2	166.3	10.9
8	1,834,000	23.0	254.1	16.6	4.0	0.3			456.9	29.9	181.7	11,9
192	1,920,000	24.0	265.1	16.6	4,2	0.3			479.0	29.9	183,1	11.4
20	1,864,000	23.0	231.4	14.9	4.0	0.3			471.7	30.3	175.5	11.3
21	1,920,000	24.0	241.4	15.1	4.2	0.3			488.0	30.5	190.3	11.9
27	1,908,000	24.0	241.4	15.2	4.2	0.3			484.2	30.4	194.6	12.2
23	1,846,000	23.0	231.4	15.0	4.0	0.3			513.0	33.3	229:3	14.9
24	1,880,000	24.0	241.4	15.4	4.2	0.3			560.8	35.8	213,1	13.6
	1,875,000	24.0	241.4	15.4	4.2	0.3			557.7	35.7	198.2	12.7
25	1,773,000	23.0	231.4	15.6	4.0	0.3			527.9	35.7	191.9	13.0
261				14.9	4,0	0.3			534.2	34.5	191.9	12,4
y E	1,859,000	23.0	231.4			0.3			525.6	33.2	198.3	12.5
28	1,898,000	23.0	231.4	14.6	4.0				492.8	30.6	183.1	11.4
28	1,928,000	24.0	241.4	15.0	4.2	0.3						12.0
30	1,911,000	24.0	241.4	15.1	4.2	0.3	1	-	571.5	35.9	190.8	100
31	1,947,000	24.0	241.4	14.9	4.2	0.3			514.5	31.7	189.3 5791.3	11.7
OTAL	57,960,000	-	7885.1	400	128.4	0.3	0.0 #DIV/0I	#DIV/01	15754.3 508.2	32.6	186.8	12.0
MAX	1,869,677 1,947,000		254.4	16.3	4.1	0.0	T WOLVION			-	,	

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

d Sulf	APPLIC	ABLE	TO ALL	PLANT	5	
1000		100000	SOCIAL SERVICE	YES NO	PATRICES.	SOURCE STORY

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 08/2013

*					Out of the last	E (MALE IN CHE	JAICALS ADDEC						oli salvana	-
	DISINFEC	TANT	FLUOR	RIDE	CARB	ON	pH ADJU	JETMENT	KMn	04	CORRO	- 1	H20	2
							Pos	at						
-	LBS	РРМ	LBS	PPM	LBS	PPM	LBS	PPM	LB8	PPM	LBS	PPM	LB8	PPN
	679.4	45.8	58.4	3.9									10.4	0.7
	767.9	49.6	60.9	3.9									10.4	0.7
_	748.6	47.8	60.9	3.9									10.4	0.7
	724.7	47.3	60,9	4.0									10.4	0.
Ī	740.2	47.4	60.9	3,9									10.4	0.
	731.0	50.9	60.9	4.2									10.4	0.
	675.8	42.9	60.9	3.9									10.4	0.
	638.0	41.2	60.9	3.9									10.4	0.
	636.2	40.2	80,9	3.8									10.4	0.
	619.9	39.8	60.9	3.9									10.4	0.
	654.5	41.3	60.9	3,8									10.4	0.
	638.3	40.8	60.9	3,9									10.4	0.
	685.6	43.3	60.9	3.8									13.8	0.
	708.9	44.8	60.9	3.8									13.8	0.
Ī	666.0	43.8	58.4	3.8									13.2	0.
13	682.6	42.9	60.9	3.8										
U	659.1	43.0	58.4	3.8									_ =	54
	638.6	41.8	58.4	3.8										
	662.1	41.3	60.9	3.8										
Г	647.2	41.6	58.4	3.8										
Г	678.3	42.4	60.9	3.8										
	678.8	42.4	60.9	3.8									3.4	0
	742.3	48.2	58.4	3.8									3.4	0
	773.9	49.4	60.9	3.9									3.4	0
	755.9	48.3	60.9	3.9									3.4	0
	719.8	48.7	58.4	3.9									3.4	0
	726.1	46.8	58.4	3.8									3.4	0
	723.9	45.7	58.4	3.7									3.4	0
	675.9	42.0	60.9	3.8									3.4	C
	762.3	47.8	60.9	3.8									3.4	0
		43.3	60.9	3.8									3.4	C
	703.8	43.3		J,D	0.0		0.0		0.0		0.0		199.6	
-	21,545.6 695.0	44.6	1,865.4	3.9	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0!	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0I	8.0	0

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

OF

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

08/2013

PAGE

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	.yli(集est/	E NORM		TO:			i (mg/L OR ) TAL	PMUNLESS	OTHERWIS	E SPECIFIED	ijo i		TURBIDITY (N	TU)
		pH TOP OF		ALKA			NESS	TOP		PLA			SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7.89	7.82	7.68	117	114	150	146	0.82	0.70	2.16	2.04	4,41	0.14	0.05
2	7.87	7.85	7.67	138	133	168	166	0.81	0.69	2.08	1.94	4.23	0.13	0.05
2 2	7.85	7.81	7.68	139	136	165	162	1.11	0.97	2.28	2.17	3.79	0.11	0.05
	7.88	7.82	7.69	140	136	208	203	0.88	0.75	2.09	1.98	3.63	0.10	0.05
6	7.85	7.85	7.70	141	136	220	213	0.89	0.76	2.14	2.02	3.24	0.15	0.06
15	7.92	7.90	7.73	143	140	212	207	1.05	0.92	2.11	1.98	3.18	0.16	0.06
100 (00.00) 300 (7)	7.95	7.94	7.78	139	137	210	205	1.29	1.15	2.26	2.12	2.82	0.18	0.06
	7.93	7.95	7.79	150	146	207	204	1.20	1.04	2.18	2.06	2.66	0.14	0.06
10	7.96	7.96	7.81	152	147	220	216	0.90	0,78	2.09	1.98	3.09	0.13	0.07
10	8.00	7.91	7.78	154	149	217	213	0.89	0.77	2.14	2.04	6.78	0.14	0:06
411	7.95	7.88	7.75	180	174	220	216	0.78	0.68	2.12	2.03	8.34	0.11	0.05
12	7.98	7.88	7.74	181	174	222	215	0.84	0.73	2.03	1.94	6.26	0.13	0.06
(e ) ( <u>4</u> 1)	7.94	7,92	7.73	156	151	221	217	0.81	0.69	2.06	1.97	6.51	0.12	0.06
14 2	7.88	7.85	7.71	154	149	224	219	0.85	0.71	2.06	1.91	5.46	0.16	0.06
(6	7.90	7.84	7.70	143	138	197	195	0.88	0.74	2.09	1.98	15.10	0.15	0.06
16	7.98	7.85	7.69	133	129	196	192	0.90	0.79	2.08	2.00	10.50	0.15	0.07
÷ 17	7.96	7.87	7.74	135	132	198	194	1.10	0.96	2.21	2.08	8.51	0.14	0.06
18	7.93	7.86	7.72	140	136	199	195	0.96	0.87	2.12	2.04	6.54	0.11	0.06
19	7.94	7.89	7.72	130	127	203	199	0.85	0.77	2.09	2.02	4.72	0.13	0.06
20	7.92	7.85	7.71	163	157	203	198	0.85	0.75	2.16	2.10	4.08	0.13	0.06
23	7.90	7.88	7.72	122	119	193	189	0.87	0.75	2.10	2.00	3.24	0.11	0.06
22	7.88	7.87	7.72	131	129	185	180	0.83	0,72	2.09	2.01	3.93	0,11	0.07
23	7.90	7.88	7.72	136	131	206	202	0.83	0,72	2.08	1.98	2.66	0.12	0.06
24	7.97	7.88	7.74	145	140	212	207	1.02	0.88	2.13	1.99	2.95	0.11	0.05
26	7.97	7.87	7.75	150	144	215	210	1.01	0.90	2.14	2.06	4.36	0.14	0.06
20	7.93	7.87	7.74	155	149	208	203	0.88	0.79	2.01	1.93	5.13	0.16	0.06
27	7.87	7.88	7.72	147	143	205	200	0.90	0.81	2.09	2.02	4.53	0.15	0.07
28	7.91	7.90	7.73	153	150	193	188	0.92	0.81	2.16	2.08	4.35	0.11	0.06
29	7.90	7.87	7.71	127	123	188	183	0.92	0.83	2.07	1.98	3.60	0.12	0.07
30	7.93	7.90	7.73	142	138	202	198	0.91	0.81	2.06	2.00	3.20	0.13	0.06
351	7.93	7.89	7.75	145	141	204	198	1.02	0.91	2.21	2.10	2.93	0.13	0.06
AVERAG	7.9	7.9	7.7	145	140	202	198	0.93	0.81	2.12	2.02	4.99	0.13	0.06

### OPTIONAL INFORMATION-Surface Water Plants Only

KY0800273 PWS ID:

PLANT ID:

Α AGENCY INTEREST:

2987 REPORT MONTH/YEAR:

08/2013

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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	RAW SEDIMENTATION BASIN EFFLUENT DAILY DAILY MAXIMUM #E				INDIVIDUAL FILTER EFFLUENT DAILY MAXIMUM							CFE DAILY MAXIMUM			
DAY	MUMIXAM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#6	#6	#7	MAXIMUM
1	4.41		0.13	0.20						0.08	0.06	0.07	0.08		0.07
2011	4.23		0.13	0.19						0.08	0.06	0.07	0.07	2	0.07
	3.79		0.15	0.23						0.07	0.07	0.07	0.07		0.08
4	3.63		0.17	0.16						0.05	0.06	0.08	0.08	E	0.08
	3.24		0.21	0.27						0.05	0.07	0.08	0.07	20	0.08
. 6	3.18		0.28	0.28						0.08	0.07	0.08	0.07		80.0
	2.82		0.18	0.20						0.09	0.07	0.08	0.07		0:08
8	2.66		0.23	0.18						0.10	0.09	0.08	0.08		0.09
9	3.09		0.13	0.22						0.07	0.07	0.07	0.07		0.09
1.0	6.78		0.19	0.19						0.08	0.08	0.08	0.08		0.09
	8.34		0.16	0.16						0.09	0.08	0.08	0.07		0.09
12	6:26		0.16	0.23						0.07	0.07	0.07	0.07		0.08
13 5	6.51	2020011-115	0.14	0.18						0.07	0.07	0.09	0.08		0.09
14	5.46		0.18	0.29						0.08	0.07	0.07	0.07		0.09
45	15.10		0.20	0.29						0.09	0.09	0.08	0.08		0.10
181	10.50		0.15	0.22						0.09	0.08	0.13	0.08		0.08
47	8.51		0.16	0.22						0.08	0.08	0.11	0.08		0.09
18	6.54		0.14	0.14						0.08	0.08	0.09	0.07		0.07
19	4.72		0.15	0.18						0.08	0.08	0.09	0.06		0.07
20	4.08		0.12	0.21						0.08	0.08	0.08	0.07		0.07
71	3.24		0.16	0.13						0.07	0.07	0.10	0.09	ſ	0.07
精烈	3.93		0.16	0.14						0.07	0.07	0.10	0.08		0.07
22	2.66		0.12	0.17						0.08	0.07	0.08	0.07		0.07
	2.95		0.13	0.12						0.07	0.08	0.09	0.08		0.06
24	4.36		0.22	0.15						0.07	0.07	0.08	0.07	Switch Lighter	0.06
26	5.13	-	0.22	0.25						0.07	0.07	0.08	0.07		0.06
distribution of the	4.53		0.16	0.23				11		0.07	0.08	0,08	0.08		0.06
27.				0.13						0.07	0.07	0.08	0.09		0.06
28	4.35		0.12	0.13		(4				0.07	0.07	0.25	0.25		0.10
29	3.60		0.13							0.07	0.08	0.08	0.07		0.06
30	3.20		0.13	0.15						0.07	0.09	0.09	0.07		0.07
775	2.93 5.0	#DIV/0I	0.16	0.18	11D 11 115 1	#DI: #6:	#DIV/0!	4D1/40/	#DIV//01	0.08	0.03	0.09	0.08	#DIV/01	0.08

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

08/2013

*Please answer Y/N question below this chart.

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	FLUORIDE RAW TAP			ON		NGANESE			Lowest Dally Chtorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1	0.22	1.10	0.08	0.03	0.07	0.01			1.80	0.0	25.6
2	0.25	1.02	0.10	0.03	80.0	0.01			1.80	0.0	25.3
3	0.27	1.04	0.11	0.03	0.08	0.01			1.95	0.0	25.0
4	0.27	0.98	0.09	0.03	0.07	0.01			1.90	0.0	25.1
5	0.26	1.06	0.06	0.03	0.06	0.01			1.90	0.0	25.3
.6	0.27	1.10	0.10	0.03	0.05	0.01			1.75	0.0	25.3
7	0.29	1.19	0.07	0.03	0.06	0.01			1.70	0.0	25.5
9	0.32	1.11	0.07	0.03	0.07	0.01			1.75	0:0	25.6
ġ	0.29	1.02	0.06	0.03	0.09	0.01			1.80	1.0	25.5
10	0.32	1.03	0.07	0.03	0.09	0.01			1.80	0.7	25.7
11	0.18	0.98	0,13	0.03	0.13	0.01			1.80	0.3	25.6
12	0.20	1.01	0.12	0.03	0.13	0.01			1.75	0.1	25.7
43	0.25	0.96	0.11	0.03	0.08	0.01			1.80	0.1	25.7
14	0.27	0.99	0.12	0.03					1.85	0.1	25.8
15	0.06	1.00	0.22	0.03					1.85	0.0	25.0
16	0.14	0.91	0.19	0.03			10.		1.90	0.0	24,5
17	0.16	0.91	0.20	0.03					1.75	0.0	24.5
18	0.13	0.96	0.13	0.03					1.75	0.1	24.6
19	0.23	0.98	0.08	0.03		pa .			1.85	0.1	24.0
20	0.23	0.98	0.09	0.03	0.06	0.02			1.85	0.0	23.0
. 21	0.26	1.02	0.05	0.03	0.05	0.02			1.90	0.0	24.7
22	0.30	0.97	0.07	0.03	0.05	0.01			1.80	0.1	24.7
23	0.26	0.95	0.03	0.03	0.05	0.01			1.75	0.1	24.7
24	0.31	0.95	0.06	0.03	0.12	0.01			1.75	0.1	24.8
25	0.30	0.97	0.07	0.03	0.06	0.01			1.80	0.0	24.8
26	0.22	0.91	0.09	0.03	0.06	0.01			1.75	0.0	24.7
27	0.26	0.99	0.08	0.03	0.06	0.01		V V	1.85	0.0	24.9
28	0.29	0.94	0.05	0.03	0.06	0.02			1.80	0.1	25.2
29	0.24	1.04	0.05	0.03	0.06	0.01			1.80	0,6	25.2
30	0.25	1.01	0.06	0.03	0.08	0.01				0.0	25.0
31	0.27	1.00	0.07	0.03	0.07	0.01	319000		1.75	0.0	25.3
AVERAGE	0.24	1.00	0.09	0.03	0.07	0.01	#DIV/0!	#DIV/0!	Monunly Minimum	Rainfall	25.0
								of readings	1,70	3.4	

For Free Chlorine, # less

then 0.2 mg/L For Chloramines, # less than 0.5 mg/L 0

Disinfectant Chloramines? (Y/N)

N

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

OF

11

REPORT MONTH/YEAR: 08/2013

PAGE 6

	Control	MA LONG CO.				FILTER OPEN					0.00
	TOTAL WASH WATER	No: AREA (equare feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	6	No: AREA (square feet)	
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRB	WASHWATER GALLONS	FILT RUN HRS
1	0										
ė,	26,000	13,000	94.00	13,000	94.00						11.27
3	0		¥)								
4	32,000					16,000	94.00	16,000	94.00		
<b>5</b> . ( )	0									IV	
6	30,000	15,000	95.00	15,000	95.00						
$\hat{\eta}, \hat{\mathcal{Y}}$	0										
8	29,000					14,000	94.30	15,000	94.30		
9	0										
10	30,000	15,000	94.70	15,000	94.70						
41	0									1	-
12	30,000					16,000	98.90	14,000	98.90		
13	0								ļ		
14	0								-		
16	26,000	14,000	98.80	12,000	98.80						-
16	0										
17	32,000					16,000	98.30	16,000	98.30		-
18	29,000	15,000	89.60	14,000	89.60						
19									-		
20	32,000					16,000	89.80	16,000	89.80		-
24	0				<u></u>				-		
2/2	0				ļ						1
23	26,000	13,000	98.40	13,000	98.40						1
24[	32,000					16,000	90.00	16,000	90.00		
26	0								-		-
26	30,000	15,000	89.90	15,000	89.90	1.0				-	
27	0								<u> </u>	-	+
28	30,000		<u> </u>			15,000	98.10	15,000	98.10		-
29	0										-
30	26,000	15,000	92.70	11,000	92.70						-
31	0				-		ļ				-
TOTAL	440,000	115,000	753.10	108,000	753.10	109,000	663.40	108,000	663.40		0.00
VERAGE	14,667	14,375	94.138	13,500	94.138	15,571	94.771	15,429	94.771	#DIV/0I	#DIV/

COPY AS NEEDED

PWS ID : KY0800273 PLANT ID:

OF

11

REPORT MONTH/YEAR: 08/2013

PAGE

ľ		AICALS ADDED	(100 M) (100 M)	THE REAL PROPERTY AND ADDRESS OF THE PERSON		DISTRIBUTION	TEST R	ESULTS			Military - 11
	CHLORINE	CHLORINE		110	RTH	TOTAL		HLORINE RESIDUAL		WE	ST
ΛA .	BOOSTER	BOOSTER LBS		T	F F	T	F F	ı	F	Ţ	F
**		l		1,51	1,37	1.53	1.43	1.69	1.57	1.11	0.94
16				1.47	1.36	0.94	0.88	1.40	1.25	0,83	0.73
			* A 1000	1,55	1.49	1.53	1,46	0.31	0.25	0.79	0.65
				1.55	1.43	1,50	1.43	0.35	0.31	0.82	0.71
		0.00		1.54	1.23	1.28	1.17	1.27	0.95	0.77	0.62
				1.60	1.35	0.87	0.78	1.48	1.34	1.62	1.50
				0.48	0.40	1.15	1.03	1.77	1.52	1,31	1.18
		10.000		1.58	1.45	1.21	1,10	1.72	1.58	1.01	0.86
				1,53	1,44	0.91	0.82	1.55	1.46	0.89	0.79
				0.87	0.79	1.23	1.15	1.28	1.17	1.41	1.34
				0.92	0.84	1,13	1.07	1.24	1.19	1.54	1.49
				1.49	1.35	0.82	0.72	1.35	1.28	0.76	0.68
				0.43	0.35	0.85	0.77	1.47	1.36	0.87	0.80
				1.46	1.27	0.71	0.57	1,61	1.53	1.60	1.46
				1.54	1.52	1.29	1.24	1,46	1.41	1.37	1.35
				1.37	1.31	0.85	0.80	1.56	1.53	0.81	0.74
				0.96	0.87	1,43	1.34	0.39	0,35	0.80	0.69
				1.48	1.41	1.51	1.43	0.25	0.23	1.06	0.94
				0,91	0,82	0.78	0.74	1.37	1.33	0.78	0.78
				1.31	1.18	1.00	0.98	1.52	1.51	1.59	1.53
				1,48	1,43	0.93	0.89	1.55	1.52	0.72	0.65
	N.			1.53	1.48	1.40	1,34	1.61	1.57	1.43	1.38
			(0)	1,18	1.13	1.09	1.00	1,52	1.45	0.81	0.71
				0.71	0.57	1.42	1.34	1.43	1.36	1.02	0.91
	12.0			1.27	1.15	0,81	0.72	0.90	0.81	1.53	1.44
			No.16	1.44	1.44	0.80	0.76	1.48	1.47	0.83	0.77
2.5				1,35	1.28	0.71	0.68	1.58	1.57	1.44	1.41
				1.23	1.10	1.39	1.34	1.38	1.31	1.26	1,18
				1.32	1.31	1.25	1.04	1.41	1,36	1,20	1.19
				1,37	1.36	0.79	0.73	1.39	1.36	0.89	0.83
			100	1.28	1.18	1.15	1.02	1.24	1.14	1.19	1,13
GE	#DIV/01	#DIV/0!	Average	1.28	1.18	1,11	1.02	1.31	1.23	1.10	1,0
	0.0	0.0	Total Minimum	0.43		0.71		0.25		0.72	
			Free Minimum		0.35		0.57		0,23		0,62

Total # Chlorine samples

# Less than 0.2 mg/L/0.5 mg/L

Residuals 124
Residuals 124
Residual Residual Number of Free Residuals Number of Total Residuals 0 Total # Less than 0.2 mg/L Total # Less than 0.5 mg/L

0.23 0.25

Disinfectant Chloramines? (Y/N) Number of days of operation?

ecarc - N 3.1

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID:	KY08	00273	_
	TURBIDITY R	EPORT				PLANT ID:	/	4	-
			ANTS WITH FI	52.50	Report Period	(MM/YYYY):	08/2	2013	PAGE: 8 OF 11
DAY I	Name:		n County Water I	District	-				Daily
GO-ISTING E		# or Turbidity Samples Required		4 am + 8. am	6 am Noon-	- Noon -4 pm	0.06	0.07	0.070
1	23.0	6	0.07	0.07	0.07	0.07	0.06	0.07	0.070
2	24.0	6	0.07	0.07	0.07	0.06	0.07	0.07	0.080
143	24.0	6	0.08	0.07	0.07	0.06	0.06	0.07	0.080
4	24.0	6	0.07	0.07 0.08	0.07	0.06	0.06	0.07	0.080
8.1	24.0		0.08	0.08	0.08	0.06	0.06	0.07	0.080
6	22.0	6	0.08		0.07	0.00	0.08	0.08	0.084
ï	24.0	6	0.08	0.08		0.07	0.09	0.09	0.090
į.	24.0	6	0.08	0.08	0.08	0.09	0.07	0.08	0.090
9	24.0	6	0.09		0.08	0.07	0.07	0.09	0.090
10	24.0	6	0.09	0.08	0.08	0.07	0.07	0.08	0.090
<b>Market</b>	24.0	6	0.09	0.09	0.08	0.07	0.07	0.08	0.080
12	24.0	6	0.08	0.08	0.08	0.07	0.00	0.09	0.090
/13	24.0	6	0.09	0.08	0.09	0.03	0.03	0.09	0.088
14	24.0	6	0.08	0.09	0.10	0.07	0.07	0.09	0.099
16	23.0	6	0.09	0.09	0.10	0.05	0.06	0.08	0.120
16	24.0	6	0.09	0.10	0.08	0.06	0.06	0.07	0.090
17	23.0	6	0.09	0.03	0.00	0.06	0.06	0.07	0.070
[8]	23.0	6	0.07	0.07	0.07	0.05	0.05	0.07	0.070
18	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.066
20	24.0	6	0.07	0.07	0.06	0.05	0.06	0.06	0.072
ŽĄ.	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.064
22	23.0	6	0.06	0.06	0.00	0.05	0.05	0.06	0.070
23	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
24	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
75	23.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.060
28	23.0	6	0.06	0.05	0.05	0.05	0.04	0.06	0.058
27	23.0	6	0.06	0.05	0.05	0.04	0.05	0.05	0.058
28	24.0	6	0.00	0.13	0.12	0.13	0.13	0.11	0.130
28 130	24.0	6	0.06	0.06	0.05	0.05	0.05	0.06	0,060
31	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.070
	733.0	186	0.01	0.00		AL#OF TURBIDITY		400	0.130
Total			LI NAL or DIRECT FIL	TRATION? (Y/					
(Any ty	e of flitration besides s	low sand)		_				0	
Number of samples exceeding> 0.1 NTU 6 0.3 NTU 0 1 NTU 0									
For slow sand filtration, the number of samples exceeding> 1 NTU 5 NTU 5 NTU 1 NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded									
			ples Required" is	the number of I	hours the plant oper	ated divided by 4	rounded		
	the next whole nu		12	Wesen.		Service		ad alcan-	
I cert	ify that the above	turbidity read	ings were taken	every 4 hours	during plant opera	ttion and in the t	me frames note	2013	31
	Signature of Princi	inal Executive Of	ficer or Authorized					ate	
	organizate of FIIIICI	Pai Executive O	liour of Janioracoo	.90.11					

APPLICABLE TO ALL SUBFACE WATER PLANTS WITH FILTRATION

INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE RE	PORT		
PWS Name:	Ma	rtin County Water Di	strict	er e	
PWS ID:	KY08	00273	_		
PLANT ID:		Α		i:	
Report Period (MM/Y	YYY):	08/2013		41;	
	eded any one of the Summary Shee report(s).				PAGE 9 OF 1
Date	Filter Number	Turbldity Reading (NTU)	Trigger Level (see	Reason for Exceedance (if k	Date and Time rown) State was Contacted
	14		1		
				W-V-1_1W1	
	-				
				111 111 111 111	
				L	
<ul><li>B. Any one filter at the end of t</li><li>C. Any one filter at any time in</li><li>D. Any one filter</li></ul>	has a measured turb he first 4 hours of op has a measured turb each of 3 consecutive	idity level of greate eration following a Idity level of greate e months. Idity level of greate	r than 0.5 NTU in 2 c backwash or return r than 1.0 NTU in 2 c	onsecutive measurements take onsecutive measurements take o service. onsecutive measurements take onsecutive measurements take	n 15 minutes apart
Report Required:	-			منتملة 7 ماطانين جالامهم مطالع المساورة	of the exceedance of the
For Trigger A.:	obvious reason for	the exceedance		ince and filter profile within 7 days	
For Trigger B.:	Filter number, the t	urbidity measuremer		nnce and filter profile within 7 days	
For Trigger C.:	evceedance			ince and a filter self-assessment \	
For Trigger D.:	Filter number, the t	king Water Branch r	nt, the date of exceeda no later than 30 days f S AS NEEDED	ince and arrange for a Comprehe bllowing the exceedance	nsive Performance Evaluation

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYY	Y) 08/2013
		IOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL OF	THE FIELDS ARE PRE-
ITHORKOOO X KOO HERSIIIII		A MANAGEMENT	WEINER	POPULATED FOR YOU!!! DRMATION	
	N. A. DEL MINISTERNA HER TANK		ABLE TO	O ALL PLANTS	
PLANTID A				TAL WATER TREATED (gallons)	57,960,000
PLANT NAME	Martin County Wat	er District		E. DAILY PRODUCTION (gallons)	1,869,677
AGENCY INTER	REST	_	MA	XIMUM PUMPAGE (gallons per day)	1,947,000
		INDIVIDUAL F	LTER E	FFLUENT TURBIDITY ANTS WITH FILTRATION	
Were measuren Was there a fail If Yes, (1) v (2) w Was individual f Was Individual f Was individual f Was individual f If any of the las	monitored continuously? (Y/N nents recorded every 15 minure of the continuous monito were individual filter effluent twas the continuously monitorifilter level greater than 1.0 Notifilter level greater than 1.0 Notifilter level greater than 2.0	utes? (Y/N) ring equipment? (\footnote{'\text{V}}\) ring equipment repared in two consecut. The in two consecut. The in two consecut in two consecut. The in two consecut. The individual File in two consecut.	r/N) les collec ired withlive meas ive meas ive meas ive meas ter Turbi	ted every four hours of operation? (Y/N) in 5 working days? (Y/N)	ANT CONCENTRATION
ANALYTE COD Number of hour Were samples t Number of sam Highest single t For all filtration Number of s Number of s When filtration Number of s	is of plant operation taken every 4 hours of plant of ples taken urbidity reading except slow sand filtration: samples exceeded 0.1 NTU samples exceeded 1 NTU is slow sand filtration: samples exceeded 1 NTU is slow sand filtration: samples exceeded 1 NTU		733.0 186 0.13 6 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples recorde Lowest single chlorine reading If less than required: Was residual restored within 4 hours of platere Chlorine (for all disinfectants except of Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorae Number of samples under 0.5 mg/L	31 17 (Y/N) 98 31 1.70 ant operation? (Y/N) chloromine): 0
APPLICAB  ANALYTE COL  Number of days  Were samples  Number of sam  Highest single	DE 1008 s of plant operation taken each day of operation	Y(Y/N)	31 0 0.00	CHLORITE ENTRY POINTS APPLICABLE TO PLANTS UTILIZIN  ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation Number of samples taken Highest single chlorite reading Number of chlorite samples exceeded 1 m	31 n? (Y/N) 0 0.00

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am ewere that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executivy Officer or Authorized Agent

09-04-2013 Date

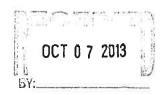
## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORING PERI	OD (MMYYYY) 08/2	2013
AI 29	-	NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NO	OT ALL OF THE FIELDS	ARE PRE
	21			POPULATED FOR YO	The second secon	
	PURCHAS			Personal Indiana Control	SOLD	
1616130120				WATER SYSTEMS	HOW MHOUR /	allana\
	HOM? (PWS ID)	HOW MUCH? (gallon		TO WHOM? (PWS ID)	HOW MUCH? (g	jalions)
WV330300	3		0			
KY0980575			0	end a seven		
						-
//						
13						
				Di		
	**********					
			-			
				( <del>-                                    </del>	_	
-					Water State of the	
)						
						The state of the s
						The second second
						-
						1.90
			_			
					AND THE RESERVE OF THE PARTY OF	0.000
		DISTRIBUTION RESID	UAL DISIN	NEGTANT CONGENTRATIO		
ANIALVER	DE 0999	APPLICABI	E TO ALL	WATER SYSTEMS		
ANALYTE CO			31	Free Chlorine (for all disinfects	ints except chloramine)	
	s of operation taken each day of oper	ation? (Y/N)	Y	Number of samples under		0
vvere samples Number of san		adony (T/N)	22.5	Total Chlorine (when disinfects	***************************************	
FREE			124	Number of samples under		
TOTAL			124	- various of samples and all		
	FREE chlorine reading		0.23			
	TOTAL chlorine reading		0.25			
JUL 0111910	,					

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent 09-04-2013

Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI	H & YEAR (mm/yyyy)	09/2013	Indicate one with "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PW\$ ID :	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Wa	ter District	PLANT CLASS:	3 DIST. CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:	10-04-2013
SOURCE NAME:	Crum Reserv	olr	COUNTY:	Martin
	Tug Fork			en e
	OPERATOR(S) RESPONSI	BLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	17562
WTP SHIFT 2:	Michael Sar	tln	1V-A	21944
WTP SHIFT 3:	Jerry L Belci	ner	1V-A	21719
DISTRIBUTION:				
THIS REP				ID APPLICABLE FIELD OFFICE
	NO LATER THA	N 10 DAYS AFTER	R THE END OF I	HE MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):	-	1,66	7	-
2. TYPE OF FILTRATION USE	ED:	Dual M	edia	-
3. DESIGN FILTRATION RATE	E (gpm/sq. ft.):	2.66		<del>.</del>
4. PERCENT BACKWASH WA	ATER USED:	0.8		<b>-</b> 7
5. DATE FLOCCULATION BA	SIN(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/ 09	-2.
6. DATE SETTLING BASIN(S)	LAST CLEANED:			  

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

10-03-2013

DATE



APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

PAGE 1 OF

	medical fallon	THE STREET	Transaction Co.	e reastrance	THE STATE OF THE S		and the same of the same	Lisoner -	PAGE		OF	11
	RAW WATER	HOURS PLANT	COAGI	11	COAGL		pH ADJU	STMENT	DISINFE	CTANT	DISINFE	CTANT
DAY	TREATED GALLONS	OPERATED	LBS	PPM	LBS	PPM	LBS	PPM	LB8	PPM	LBS	PPM
6,47	1,788,000	22.0	221.3	14.8	3.9	0.3			482.8	32.4	178,4	12.0
	1,946,000	24.0	241.4	14.9	4.2	0.3			539.4	33.2	207.0	12.8
	1,900,000	24.0	241.4	15.2	4.2	0.3			520.7	32.9	194.6	12.3
0	1,926,000	24.0	241.4	15.0	4.2	0,3			546.3	34.0	212.4	13.2
5	1,883,000	24.0	241.4	15.4	4.2	0.3			535.6	34.1	213.1	13.6
6		24.0	241.4	15.1	4.2	0.3			542.0	33.9	213.1	13.3
	1,918,000	24.0	241.4	15.2	4.2	0.3			535.5	33.8	213.1	13.4
3575	1,900,000					0.3			535.5	33.7	213.1	13.4
8	1,907,000	24.0	241.4	15.2	4.2				522.9	33.5	187.6	12.0
0	1,871,000	24.0	241.4	15.5	4.2	0.3			555.9	33.7	206.9	12.5
10	1,977,000	24.0	241,4	14.6	4.2	0.3				33.0	205.8	12.9
41	1,917,000	24.0	241.4	15.1	4.2	0.3			526.8		191.7	12.1
<u>rivi</u>	1,897,000	24.0	241.4	15.3	4,2	0.3		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	526.7	33.3		13.0
18	1,884,000	23.0	231.3	14.7	4.0	0.3	-		521.4	33.2	204.2	
10	1,912,000	24.0	241.4	15.1	4.2	0.3			552.0	34.6	202.3	12.7
省5年	1,887,000	24.0	241.4	15.3	4.2	0.3			598.9	38.1	209.3	13.3
76 1	1,919,000	24.0	241.4	15.1	4.2	0.3			482.6	30.2	192.7	12.0
47	1,920,000	24.0	241.4	15.1	4.2	0.3			557.2	34.8	190.1	11.9
18	1,969,000	24.0	241.4	14.7	4.2	0.3	-		541.0	32.9	183.1	11.2
-0	1,921,000	24.0	241.4	15.1	4.2	0.3		7.71	570.0	35.6	190.0	11.9
20	1,889,000	24.0	241.4	15.3	4.2	0.3			573.1	36.4	194.6	12.4
20	1,870,000	22.0	221.3	14.2	3.6	0.2			498.3	32.0	177.5	11.4
120	1,875,000	23.0	231.3	14.8	4.0	0.3			520.1	33.3	191.5	12.2
-8:	1,598,000	20.0	201.2	15.1	3.5	0.3	-		473.5	35.5	154.9	11.6
24	1,900,000	24.0	241.4	15.2	4.2	0.3			481.9	30.4	185.1	11.7
30	1,883,000	24.0	241.4	15.4	4.2	0.3			545.4	34.7	177.8	11.3
26	1,898,000	24.0	241.4	15.3	4.2	0.3			539.2	34.1	181.4	11.5
24. 7	1,745,000	22.0	221.3	15.2	4,2	0.3			493.1	33.9	178.0	12,2
28	1,855,000	23.0	231.3	15.0	4.0	0.3			531.1	34.3	182.3	11.8
21)	1,838,000	23.0	231.3	15.1	4.0	0.3			494.2	32.2	186.5	12.2
30)	1,887,000	24.0	241.4	15.3	4.2	0.3			507.3	32.2	189.6	12.0
301												
TOTAL	56,480,000		7101.1	45.1	123.6		0.0	#DN//01	15850.4	33.7	5807.7 193.6	12.3
AVERAGE	1,882,667		236.7	15.1	4.1	0.3	#DIV/0I	#DIV/01	528.3	33.7	183.0	12.3

MAX

1,977,000

APPLICABLE NO AND	PLANTS
2011年10月1日 · 10月1日 ·	a minintification and account

PWS ID :	KY0800273
DI ANT ID:	A

REPORT MONTH/YEAR: 09/2013

					0.0	र जा शहर की है। इस्ते के प्रतिकार की किस्ता की	MICALS ADDED					1005		
DI	SINFECTANT		FLUOR	IDE	CARB	ON	pH ADJU	JETMENT	KMr	04	CORRO		H20	2
							Poi	ıt						
LBS	PPM	LE	B8	PPM	LBB	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LBS	PP
681.	2 44.3	55	5.8	3.7									3.1	0
746.	4 46.0	60	0.9	3.8						1		-	3.4	0.:
715	3 45,1	80	0.9	3.8									3.4	0.
758.	7 47.2	60	0.9	3.8									3.4	0.
748.	7 47.7	60	0.9	3.9									6.0	0.
755.	1 47.2	60	0.9	3.8									6.5	0.
748.	6 47.2	. 60	0.9	3.8									6.0	0.
748.	8 47.1	60	0.9	3.8									6.0	0.
710.	5 45.5	6 6	0.9	3.9			mile strice						6,5	0.
762.	8 46.3	6	0.9	3.7									6.0	0.
732		61	0.9	3,8									6.0	0.
718			0.9	3.8									6.0	0.
725.		2 5	8.4	3.7									5.5	0.
754		=11175	0.9	3.8		50							4.5	0.
808			0.9	3.9	1								8.0	0.
675			0.9	3.8									6.0	0,
747			0.9	3.8									6.5	0.
724.			0.9	3.7									6.0	0
780.			0.9	3.8									6.5	0
767			0.9	3.9									6.5	0
675			55.8	3.6									5,5	0
711			88.4	3.7									6.0	0
628			50.8	3.8									5.0	0
667			9.08	3.8									6.5	0
723			80.9	3.9									8.5	0
720			30.9	3.8									6.5	0
671			55.8	3.8									4.5	0
713			58.4	3.8									5.0	0
680			58.4	3.8									7.0	0
696			80.9	3.9									7.5	0
			701.0	i	0.0		0.0		0.0		0.0		169.8	
21,65	.9 46.	0 5	791.6	3.8	#DIV/01	#DIV/0!	#DIV/01	#DIV/01	#DIV/01	#DIV/0I	#DIV/0I	#DIV/01	5.7	c

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : ___

OF

KY0800273

REPORT MONTH/YEAR:

09/2013

PAGE

3

____11

	A to April	pH	開放機構	TO			MOLOR F	PM UNLESS		E SPECIFIED RESIDUAL			TURBIDITY	
		TOP OF	8	ALKAI		HARD	NE9\$	TOP FILT		PLA TA			SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
	7.97	7.89	7.76	140	137	207	202	0.80	0.70	2.09	1.99	2.68	0.12	0.06
13	7.95	7.88	7.73	146	141	210	206	0.97	0.87	2.11	2.04	2.55	0.13	0.08
	7.91	7.91	7.74	147	143	211	207	0.98	0.89	2.08	2.01	2.77	0.14	0.07
	7.88	7.91	7.76	146	141	214	209	0.84	0.74	2.09	2.02	2.48	0.15	0.06
6	7.97	7.93	7.79	156	151	215	211	0.84	0.74	2.14	2.04	2.92	0.17	0.07
	8.02	7.97	7.81	152	147	225	220	0.92	0.80	2.14	2.03	2.67	0.15	0.06
37	8.04	8.00	7.84	150	147	226	222	0.99	0.85	2.24	2,09	2.47	0.17	0.06
	8.09	8.03	7.89	168	161	228	224	1.17	1.03	2.25	2.13	2.35	0.13	0.06
	8.16	8.06	7.89	169	163	231	226	0.97	0.87	2.11	2.02	2.77	0.12	0.06
10	8.09	8.04	7.86	173	169	233	228	0.98	0.85	2.10	2.02	2.38	0.12	0,06
	8.08	8.03	7.87	156	153	225	220	0.99	0.89	2.12	2.02	2.03	0.11	0.06
12	8.08	8.05	7.88	154	150	223	219	1.04	0.96	2.13	2.05	1.77	0.14	0.07
18	8.12	8.06	7.90	161	157	230	225	0.89	0.78	2.02	1.95	1.95	0.16	0.07
144	8.11	8.09	7.94	163	157	233	228	0.97	0.84	2.12	2.00	2.53	0.15	0.06
16	8.25	8.11	7.94	160	156	234	229	0.92	0.79	2.11	1.97	3.52	0.16	0.06
16.	8.24	8.13	7.96	175	170	239	236	0.96	0.85	2.03	1.93	2.78	0.15	0.07
	8.21	8.13	7.97	173	169	237	233	1.02	0.90	2.03	1.94	2.60	0.14	0.06
10	8.20	8.16	7.99	155	151	222	219	1.02	0.92	2.03	1.94	2.59	0.15	0.07
ø	8.22	8.16	7.98	158	155_	200	198	0.85	0.77	2.00	1.94	2.13	0.13	0.06
20:	8.16	8.08	7.92	185	180	203	196	1.02	0.91	2.06	1.97	3.04	0.13	0.07
2	8.15	8.06	7.91	174	170	240	234	1.11	0.99	2.15	2.01	3.04	0.13	0.06
2.12	8.13	8.05	7.90	194	178	246	255	1.05	0.94	2.06	1.97	4.38	0.15	0.07
	8,18	8.09	7.92	178	173	248	244	0.90	0.81	2.16	2.06	3.67	0.13	0.06
201	8.11	8.07	7.90	179	175	245	240	1,10	0.96	2.14	2.03	3.31	0.17	0.08
ri.	8.14	8.06	7.88	159	155	239	234	1.14	1.03	2.16	2.09	2.68	0.14	0.07
28	8.06	8.07	7.90	161	156	242	236	0.91	1.00	2.13	2.06	2.59	0.12	0.06
240	8.08	8.04	7.88	165	159	235	231	1.02	0.93	2.17	2.07	2.17	0.13	0.06
26	8.08	8.06	7.89	163	159	237	233	0.99	0.89	2.18	2.07	2.04	0.13	0.06
4.	8.10	8.05	7.89	158	160	245	245	0.93	0.84	2.07	1.99	1.97	0.13	0.06
<u> 195</u>	8.09	8.07	7.89	160	160	248	244	1.09	0.99	2.08	2.03	1.90	0.12	0.06
VERAGI	8.1	8.0	7.9	163	158	229	225	0.98	0.88	2.11	2.02	2.62	0.14	0.06

### OPHIONAL INFORMATION Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

PLANT ID: AGENCY INTEREST: REPORT MONTH/YEAR:

A 2987 09/2013

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

COPY PAGE AS NEEDED

PAGE__ 4 OF __11

1800			25000	10000000000000000000000000000000000000		STEEL PAN	ALYTICAL	ESULTS (N			L FILTER E	EEI HENT		ALL PROPERTY OF	CFE
	DAILY		SEDIM		BASIN EFFL AXIMUM	.UENT					ILY MAXIMI				DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUN
310	2.68		0.16	0.16						0.07	0.08	0.09	0.09		0.06
	2.55		0.15	0.16						0.06	0.07	0.08	0.08		0.06
Ď.	2.77		0.19	0.13						0.07	0.08	0.08	0.08		0.06
20 12	2.48		0.23	0.19						0.07	0.08	0.09	0.08		0.06
	2.92		0.22	0.22						0.07	0.09	0.11	0.10		0.07
6	2.67		0.21	0.23						0.07	0.09	0.10	0.08		0.07
itir eti Y	2.47		0.23	0.23						0.07	0.09	0.12	0.07		0.07
0.00	2.35		0.21	0.16						0.08	0.09	0.09	0.05		0.07
10	2.77		0.15	0.16						0.07	0.07	0.09	0.05		0.06
do.	2.38		0.15	0.13						0.06	0.07	0.09	0.05		0.06
	2.03		0.14	0.12			1			0.06	0.07	0.08	0.06		0.06
Ė	1.77		0.16	0.18						80.0	0.08	0.09	0.06		0.06
of G	1.95		0.18	0.23						0.07	0.08	0.09	0.06		0.06
10	2.53		0.18	0.18						0.07	0.08	0.09	0.06		0.06
(i)	3.52		0.22	0.25						0.07	0.09	0.09	0.05		0.06
10)	2.78		0.19	0.16						0.08	0.09	0.08	0.06		0.06
	2.60		0.19	0.18						0.07	0.08	0.07	0.05		0.06
161	2.59		0.16	0.17						0.06	0.07	0.09	0.05		0.06
30	2.13		0.18	0.12	2211					0.08	0.09	0.08	0.05		0.05
(0)	3.04		0.15	0.13						0.07	0.08	0.08	0.05		0.06
241	3.04		0.18	0.14						0.07	0.08	0.08	0.08		0.05
ψĐ	4.38		0.22	0.21						0.07	0.08	0.09	0.08		0.08
.23	3.67		0.21	0.18						0.08	0.08	0.08	0.08		0.06
37	3.31		0.19	0.23						0.08	0.08	0.09	0.07		0.06
41	2.68		0.16	0.16						0.07	0.07	0.08	0.07		0.05
246	2.59		0.15	0.17						0.08	0.07	0.09	0.08		0.05
<b>4</b> )	2.17		0.19	0.16						0.08	0.07	0.07	0.07		0.05
2	2.04		0.19	0.20						0.08	0.08	0.08	0.07		0.05
29	1.97		0.16	0.20						0.06	0.07	0.09	0.08		0.05
çi)	1.90		0.14	0.13						0.06	0.07	0.07	0.07		0.05
at i	d														
VERAG		#DIV/0!	0.2	0	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	0.07	0.08	0.09	0.07	#DIV/0!	0.06

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Marking Asias, (Guardinal Wangs)

PWSID: PLANT ID:

KY0800273

REPORT MONTH/YEAR:

09/2013

1			stion below						PAGE	5 OF	11
All V							ESS OTHERW	SE SPECIFIED		CHEST A COUNTY	WATER
	FLUO	RIDE	IFI	ON	MAN	IGANESE			Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	TEMP.
Y	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1,11	0.27	0.98	0.07	0.03	0.05	0.01			1.75	0.2	25.3
	0.21	0.91	0.07	0.03	0.06	0.01			1.90	0.0	25.3
	0.23	0.92	0.06	0.03	0.06	0.01			1.90	0.1	25.5
	0.27	0.90	0.05	0.03	0.23	0.01			1.80	0.0	25.6
	0.26	0.93	0.06	0.03	0.08	0.01			1.85	0.0	25.5
	0.24	0.99	0.08	0.03	0.08	0.01			1.85	0.0	25.3
	0.26	0.97	0.07	0.03	0.08	0.01			1.90	0.0	25.3
y.	0.27	1.03	0.05	0.03	0.08	0.01			1.95	0.0	25.0
	0.29	1.00	0.06	0.03	0.07	0.01			1.75	0.0	25.2
<b>(i</b> )	0.28	1.04	0.06	0.03	0.06	0.02			1.90	0.0	25.0
10	0.36	1.10	0.07	0.03	0.06	0.01			1.90	0.0	25.6
è	0.34	1.04	0.03	0.03	0.06	0.01			1.85	0.0	25.6
3 10	0.33	1.03	0.07	0.03	0.07	0.01			1.75	8.0	25.5
4	0.31	1.04	0.06	0.03	0.07	0.01			1.75	0.0	25.2
l51	0.31	1.00	0.08	0.03	0.07	0.01			1.75	0.0	25.0
8	0.33	1.00	0.07	0.03	0.09	0.02			1.80	0.0	24.0
7 L	0.33	1.04	0.06	0.03	0.07	0.01			1.85	0.0	24.0
B W	0.32	0.93	0.03	0.03	0.07	0.01			1.75	0.0	23.5
9	0.38	0.93	0.04	0.04	0.09	0.02			1.85	0.1	23.1
0	0.33	0.99	0.06	0.03	0.09	0.02			1.75	0.3	22.8
	0.37	1.00	0.08	0.03	0.08	0.01			1.75	0.0	23.0
7	0.40	1.00	0.09	0.03	0.11	0.03			1.70	0.7	22.6
8)	0.39	1.01	0.08	0.03	0.11	0.01			1.40	0.0	22.3
Z)	0.41	1.02	0.07	0.03	0.09	0.01			1.80	0.0	22.2
46	0.26	0.97	0.06	0.03	0.09	0.01			1.90	0.0	21.6
<u>(</u>	0.28	0.99	0.08	0.03	0.09	0.01			1.90	0.1	20.6
	0.30	1.05	0.05	0.03	0.11	0.01			1.85	0.0	21.7
li.	0.31	0.88	0.05	0.03	0.11	0.01			1.85	0.0	21.5
di.	0.29	0.95	0.05	0.03	0.10	0.04			1.90	0.0	21.5
0	0.22	1.04	0.05	0.03	0.05	0.01			1.90	0.0	21.7
	0.22	1.07									
AGE	0.31	0.99	0.06	0.03	0.08	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	23.9
							Set Pirate		1.40		VERNING IN
							Number of	of readings	30	2.30	

Number of readings For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L 0

Disinfectant Chloramines? (Y/N)

### Media Wind Harri West Was and or a preposition

PWS ID : KY0800273
PLANT ID: A

#DIV/0!

93.013

14,500

#DIV/01

REPORT MONTH/YEAR: 09/2013

11 OF PAGE No: No: TOTAL No: No: AREA (square feet)
WASHWATER AREA (square feet) 160 AREA (square feet) 160 WASH WATER AREA (square feet) 160 AREA (square feet) 160 FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER **FILT RUN** GALLONS HRS HRS GALLONB HRS GALLON6 HRS GALLONS GALLONS HR8 **GALLONS** DAY 14,000 87.80 14,000 87.80 28,000 0 14,000 28,000 14,000 90.20 90.20 47 0 95.10 15,000 15000.00 95.10 30,000 0 99.00 12,000 99.00 25,000 13,000 0 15,000 98.50 15,000 98.50 30,000 健 0 0 115.80 15,000 15,000 115.80 30,000 91.20 91.20 15,000 16,000 31,000 0 74.90 15,000 74.90 14,000 29,000 di. 0 98.40 15,000 98.40 15,000 30,000 16 0 0 15,000 98.70 12,000 98.70 27,000 20 0 15,000 97.10 14,000 97.10 29,000 de. 0 89.60 89.60 12,000 27,000 15,000 86.70 14,000 86.70 14,000 28,000 0 1 0 14 15,000 94.50 94.50 15,000 30,000 28 14,000 89.30 14,000 89.30 28,000 41 0 0 311 0.00 0 744.10 662.70 118,000 744.10 116,000 95,000 430,000 101,000 662.70 TOTAL

> 13,571 94. COPY AS NEEDED

14,429

13,871

AVERAGE

94.671

94.671

14,750

93.013

An well-statement

PWS ID : KY0800273
PLANT ID: A

PEANTID: 08/2013

PAGE 7 OF 11

- 1	CHE	MICALS ADDED					TEST RE	SULTS			
1	CHLORINE	CHLORINE						HLORINE RESIDUAL EAS	(ppm)	WE	8T
	BOOSTER LBS	BOOSTER LBS		T	ETH F	T SOL	F F	T	F	7	P
	0.0		V mile	1.40	1,30	1,46	1.33	1.56	1.48	1.43	1.33
	0.0			1.37	1.29	1.32	1,28	1.42	1.40	1.36	1.31
	0.0			1.40	1,36	1.49	1,47	1.55	1.54	1,64	1.63
	0.0			1.46	1.40	0.75	0,69	1.52	1,43	0.87	0.82
	0.0			1.35	1,22	1.47	1.34	0.97	0.88	1,05	0.96
1	0.0			1,44	1.39	0.85	0.81	1.48	1,44	0.90	0.82
		121/107		1.61	1.49	1.37	1.26	1.49	1.36	1,58	1.47
	0.0		.40	1.48	1.37	1.60	1.44	0,33	0.29	0.84	0.71
	0.0			1.53	1.50	0.55	0.49	1,54	1.53	0,53	0.49
	0.0			1.31	1,29	1,49	1.45	1.44	1.40	1.87	1.64
	0.0			1.00	0.96	0.69	0.61	1.66	1.62	0.57	0.50
	0.0			1.58	1.56	1.38	1.34	0.74	0.69	1.31	1.30
	0.0				1.42	1.10	1.05	1.50	1.48	1,10	1.07
	0.0		e e	1.46		1.62	1.52	0.45	0.37	1.61	1.50
	0.0			1.51	1.38	0.87	0.77	1.20	1.10	1,48	1.37
题	0.0			1.13	1.02		0.76	1.36	1.32	0.81	0.75
	0.0			1.43	1,38	0.81	0.94	1,46	1,42	1.16	1.12
	0.0			1.08	1.05			1,57	1.53	0.80	0.76
	0.0	-		1.54	1.56	0.80	1.35	1.57	1.58	1.08	1.04
	0.0		<b>是</b> 担亚	1.46	1.44	1.36	0.91	1.11	1.08	0.89	0.84
	0.0			1.39	1,28	0.96	1.41	1.45	1.40	1.54	1.46
	0.0	-	D-120 (25)	1.53	1.44	1.52	1.40	0.33	0.25	0.71	0.60
	0.0			1.55	1.44	1.50		1.40	1.32	1,53	1.43
	0.0			0.98	0.89	1,49	0.81	1.59	1.50	0.86	0.77
	0.0			1.58	1.47	0.88	1,01	1.65	1,61	1.18	1.14
	0.0	-		1,53	1.39	1.04	1.47	1.52	1.51	0,72	0.68
	0,0			1.62	1.53	1.49	1.00	1.81	1.59	1.41	1,36
	0.0			1.52	1.48	1.03	1.25	1.35	1.30	1.77	1.69
	0.0	-		1.09		1.59	1.48	1.41	1.38	1.60	1,46
	0.0			1.50	1.42	1.14	1.09	1.21	1.15	1.44	1.34
	0.0	<b> </b>		1.66	1.53	1,14	1.09	1.2.1	10		
	0.0	4450 464	65 000	4.40	4.04	1,20	1,13	1.31	1,26	1,18	1.11
GE	0.0	#DIV/01	Total	1.42	1.34		1,13	0.33	1,20	0.53	
	0.0	0.0	Minimum Free Minimum	0.98	0.89	0.55	0.49	0.00	0.25		0.49

Disinfectant Chloramines? (Y/N)

Number of days of operation?

N 30

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	0273	41
	TURBIDITY R	REPORT			_	PLANT ID:	Α		
	APPER CAR		AND STRUM		Report Period	(MM/YYYY):	09/20	013	PAGE: 8 OF <u>11</u>
	Name:		n County Water I	District				enculsado da esta	
DAY	Heury Plantes Obstated	Sample Result of	1899 Sam	san sau	-8 em - Noon	Noon spin	digms 6 dm es	strem) Mile	Pally Maximum
	22.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
ji.	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.058
ı.f	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
	24.0	6	0.06	0.06	0.07	0.05	0.05	0.07	0.073
T),als	24.0	6	0.07	0.07	0.07	0.05	0.05	0.07	0.070
5) 3	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.070
	24.0	6	0.07	0.06	0.06	0.05	0.05	0.05	0.070
10	24.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.060
je V	24.0	6	0.06	0.05	0.05	0.04	0.04	0.05	0.058
No.	24.0	6	0.05	0.05	0.05	0.04	0.04	0.06	0.055
100	24.0	6	0.06	0.05	0.05	0.04	0.06	0.06	0.060
e.	23.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
	24.0	6	0.06	0.06	0.06	0.04	0.05	0.05	0.060
nt8)	24.0	6	0.06	0.06	0.05	0.05	0.04	0.05	0.058
100	24.0	6	0.05	0.06	0.09	0.05	0.05	0.05	0.092
110	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.058
(0)	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
20-2	24.0	6	0.05	0.06	0.06	0.05	0.04	0.05	0.058
36	22.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
	23.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.060
20	20.0	5	0.06	0.06	0.05		0.05	0.05	0.060
ją.	24.0	6	0.05	0.06	0.06	0.04	0.05	0.05	0.061
jile .	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
28	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.054
17	22.0	6	0.05	0.05	0.04	0.04	0.04	0.04	0.047
2h	23.0	6	0.04	0.05	0.05	0.04	0.04	0.04	0.049
	23.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.051
30	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.047
<b>B</b> W	0.0	0			r .				0.000
Total	7000	179		Asset (F)	то	TAL # OF TURBIDITY	SAMPLES TAKEN	179	0.092
ARE		ER CONVENTION	NAL or DIRECT FI	LTRATION? (Y/N	) Y	J	,		
	nber of samples e		0.1 NTL	J 0	0.3 NTU	0	1 NTU	0	_
140	-	_	ber of samples ex		— 1 NTL		5 NTU		
		of Turbidity Sam			ours the plant ope		Frounded		_
I cer	tify that the abov		lings were taken	every 4 hours	during plant oper	ation and in the	time frames note	d above.	
	Signature of Prince		ficer or Authorized	Agent		-		ate	

Christian Company of the Con-	ALL ALLESSO BRIDERS AL	BEILG VEREEL (O) VERE	SURPAGE WATERIE	REANING WITH THE	TRATION	701 200 000
INDIVIDUAL FILT	ER TURBIDITY EX	CEEDANCE REP	ORT			
PWS Name:	Mai	tin County Water Dis	trict			
PW\$ ID:	KY08	00273				
PLANT ID:	-	4				
Report Period (MM/YYY	<b>(Y)</b> :	09/2	013			
		e individual filter: ), complete the fo				
the appropriate re	eport(s).		SUBJECT OF STREET	Harata San San San San San San San San San Sa	Manager Indomination (#8019)	PAGE 9 OF 11
(Orio)	Oltor Number	Turblelty Reading	Trigger Level (see the low)	Rotsonifor	cerodanes ((Canowii)	Sint Was Contacted
				ASSESSED ASSESSEDA		
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	=((=)))					
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			1101013			
	<u> </u>					

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

NOTE: COMPLETE ALL APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS ARE PRE-POPULATED FOR YOU!!!    PLANT ID A	PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	09/2013	
PLANT ID A Martin County Water District AVE. DAILY PRODUCTION (gallons) 56,480,000 PLANT NAME Martin County Water District AVE. DAILY PRODUCTION (gallons) 1,382,667 AGENCY INTEREST 2987 MAXIMUM PUMPAGE (gallons per day) 1,977,000    WAS AGENCY INTEREST 2987   MAXIMUM PUMPAGE (gallons per day) 1,977,000    WAS acab filter monitored continuously? (Y/N)	-		NOTE: COMPLE	TE ALL		FIELDS ARE P	RE-
APPLICABLE TO ALL PLANTS TOTAL WATER TREATED (gallons) 56,480,000 PLANT NAME Martin County Water District AVE. DAILY PRODUCTION (gallons) 1,882,667 AGENCY INTEREST 2987 MAXIMUM PUMPAGE (gallons per day) 1,977,000    WAS INDIVIDUAL PLETER REPUENT URBIDITY	EST STATE OF THE S	NOT THE RESERVE OF THE PERSON		E SELVER SE	The second secon	PREMIUNAMEN OFFICE STATES	100000
PLANT NAME Martin County Water District AVE. DAILY PRODUCTION (gallons) 1,882,667  AGENCY INTEREST 2987 MAXIMUM PUMPAGE (gallons per day) 1,977,000    ANALYTE CODE	BEDIEVE MINISTER	是在"其一"就是一个人的。				MINESTER TO THE RESERVE OF THE RESER	NOTE OF STREET
ARALYTE CODE 0100 To samples taken every 4 hours of plant operation? (Y/N)  ANALYTE CODE 0100 To samples sexceeded 0.3 NTU Number of samples exceeded 0.1 NTU Number of samples exceeded 1 NTU Number of samples taken Number 0 Number 0 Number 0 Number 0 Numbe	PLANT ID A			TO	TAL WATER TREATED (gallons) 56	,480,000	
APPLICABLE TO ALL PLANTS WITH FILTRATION  APPLICABLE TO ALL PLANTS WITH FILTRATION  APPLICABLE TO ALL PLANTS WITH FILTRATION  Was each filter monitored continuously? (Y/N)  Was there a failure of the continuous monitoring equipment? (Y/N)  If Yes, (1) were individual filter effluent furbidity grab samples collected every four hours of operation? (Y/N)  (2) was the continuously monitoring equipment repaired within 5 working days? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Number of hours of plant operation  ANALYTE CODE 0100  Number of hours of plant operation  Younder of samples taken  Number of samples aveceded 0.1 NTU  Number of samples exceeded 0.1 NTU  Number of samples aveceded 0.1 NTU  Numbe	PLANT NAME	Martin County W	ater District			,882,667	_
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Was individual filter level greater than 1.0 NTU in two consecutive measurements? (Y/N)  Was individual filter level greater than 0.5 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Was individual filter level greater than 0.5 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Now individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements in three consecutive months? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements in three consecutive months? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now individual filter level greater than 0.5 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now and individual filter level greater than 0.5 NTU in two consecutive measurements in two consecutive months? (Y/N)  Now and of the last 4 boxes are YES, fill out the Individual Filter Turbidity Set and submit with the MOR   PRICABLE TO ALL PLANTS  ANALYTE CODE 1008  Number of days of plant operation? (Y/N)  Number of days of plant operation? (Y/N)  Number of samples taken each day of operation? (Y/N)  Number	If Yes, (1) wer	e individual filter effluen	turbidity grab sampl	es collec	ted every four hours of operation? (Y/N)	**************	
Was individual filter level greater than 0.5 NTU in two consecutive measurements after on line for more than four hours? (Y/N) Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N) Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N) Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N) Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N) Number of that boxes are YES, fill out the Individual Filter Turbidity  **PAPLICABLE TO ALL PLANTS WITH FILTRATION**  **APPLICABLE TO ALL PLANTS WITH FILTRATION**  ANALYTE CODE 0100 Number of bours of plant operation 706.0 Were samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken exceeded 0.1 NTU Number of samples exceeded 0.1 NTU Number of samples exceeded 0.3 NTU Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU  **APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE**  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1009 Number of days of plant operation? (Y/N) Number of days of plant operation? (Y/							N
Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N) Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N) If any of the last 4 boxes are YES, fill out the Individual Filter Turbidity Sheet and submit with the MOR  COMENINE CREATER SHILLEN STURBIDITY  APPLICABLE TO ALL PLANTS WITH FILTRATION  ANALYTE CODE 0100 Number of hours of plant operation 706.0 Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples exceeded 0.1 NTU 0 Number of samples exceeded 0.1 NTU 0 Number of samples exceeded 1 NTU 0 Number of samples exceeded 5 NTU   CHEORINE DIOXIDE ENTRY-FOINT MONITORING APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1008 Number of days of plant operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of days of plant operation 30 Number of days of plant operation 30 Number of days of plant operation 30 Number of samples taken each day of operation? (Y/N) Number of days of plant operation 30 Number of days of plant	Was individual filte	r level greater than 1.0 i	NTU in two consecuti	ive meas	urements after on line for more than four hours?	(Y/N)	
Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  If any of the last 4 boxes are YES, fill out the Individual Filter Turbidity Sheet and submit with the MOR    COMBINEORIE TEXT (ERFILUEN) ITURBIDITY)	Was individual filte	ir level greater than 0.5 i	NTU in two consecuti	ive meas	urements in three consecutive months? (Y/N)	INTERPRETATION OF STREET	
If any of the last 4 boxes are YES, fill out the Individual Filter Turbidity Sheet and submit with the MOR   COMEINFOILITER REFLUENT TURBIDITY APPLICABLE TO ALL PLANTS WITH FILTRATION	Was individual filte	or level greater than 1.0 i	NTU in two consecuti	ive meas	urements In two consecutive months? (Y/N)		N
ANALYTE CODE 0100 Number of hours of plant operation 706.0 Were samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Highest single turbidity reading 0.09 For all filtration except slow sand filtration: Number of samples exceeded 0.1 NTU 0 Number of samples exceeded 0.3 NTU 0 Number of samples exceeded 1 NTU 0 Number of samples exceeded 5 NTU 0 Number of samples taken each day of operation 0 Number of days of plant operation 0 Number of samples taken each day of operation? (Y/N) 0 Number of samples taken each day of operation? (Y/N) 0 Number of samples taken each day of operation? (Y/N) 0 Number of samples taken	If any of the last 4	boxes are YES, fill ou	t the Individual Filt	er Turbi	dity Sheet and submit with the MOR		
ANALYTE CODE 0100 Number of hours of plant operation 706.0 Were samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples taken every 4 hours of plant operation? (Y/N) Number of samples exceeded 0.1 NTU 0 Number of samples exceeded 0.1 NTU 0 Number of samples exceeded 0.3 NTU 0 Number of samples exceeded 0.3 NTU 0 Number of samples exceeded 1 NTU 0 Number of samples exceeded 1 NTU 0 Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU 0 Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation						CONCENTRATIO	M
Number of hours of plant operation  Were samples taken every 4 hours of plant operation? (Y/N)  Number of samples taken  Highest single turbidity reading  For all filtration except slow sand filtration:  Number of samples exceeded 0.1 NTU  Number of samples exceeded 0.3 NTU  Number of samples exceeded 1.NTU  Number of samples under 0.2 mg/L  Number of samples under 0.5 mg/L   **PLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE**  ANALYTE CODE 1008  Number of days of plant operation  30  **Were samples taken each day of operation? (Y/N)  Number of days of plant operation  30  **Were samples taken each day of operation? (Y/N)  Number of samples taken each day of operation? (Y/N)  Number of samples taken each day of operation? (Y/N)  Number of samples taken  179  Number of days of plant operation  30  Number of days of plant operation  30  Number of samples taken each day of operation? (Y/N)  Number of samples taken each day of operation? (Y/N)  Number of samples taken  Number of samples taken  Number of samples taken  179  Number of samples taken  Number of samples tak	APPLICA	BLE TO ALL PLANTS	WITH FILTRATION	ATTENNA NO.	APPLICABLE TO ALL PLAN	ITS	
Number of hours of plant operation  Were samples taken every 4 hours of plant operation? (Y/N) Number of samples taken  Highest single turbidity reading For all filtration except slow sand filtration: Number of samples exceeded 0.1 NTU Number of samples exceeded 0.3 NTU Number of samples exceeded 0.3 NTU Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU   CHEORING DIOXIDE ENTRY FOIN MONITORING APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE ANALYTE CODE 1008 Number of days of plant operation 30  Vere samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken 0 Highest single chlorine days of plant operation 30  Number of days of plant operation 30  Were samples taken each day of operation? (Y/N) Number of samples taken 0 Highest single chlorine days of plant operation 0.000	ANALYTE CODE	0100			ANALYTE CODE 0999		
Number of samples taken 179 Highest single turbidity reading 0.09 For all filtration except slow sand filtration: Number of samples exceeded 0.1 NTU 0 Number of samples exceeded 0.3 NTU 0 Number of samples exceeded 0.3 NTU 0 Number of samples exceeded 1 NTU 0 Number of samples under 0.2 mg/L 0  Total Chlorine (when disinfectant is Chloramine): Number of samples under 0.5 mg/L  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1008 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operation? (Y/N) 1 Number of samples taken each day of operat				706.0			
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For all filtration except slow sand filtration: Number of samples exceeded 0.1 NTU Number of samples exceeded 0.3 NTU Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU     Collaboration   Collaboratio	Number of sample	s taken					
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Number of samples exceeded 1 NTU  When filtration is slow sand filtration: Number of samples exceeded 1 NTU  Number of samples exceeded 5 NTU   CHECRINE DIOXIDE ENTRY POINT MONITORING  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1008  Number of days of plant operation 30  Were samples taken each day of operation? (Y/N)  Number of samples taken each day of operation? (Y/N)  Number of samples taken each day of operation 0.00  Highest single chlorine dioxide reading 0.000			•			eration? (Y/N)	
Number of samples exceeded 1 NTU  When filtration is slow sand filtration: Number of samples exceeded 1 NTU Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU  Number of samples exceeded 5 NTU   CHICARINE DIOXIDE ENTRY POINT MONITORING APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1008 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken each day of operation? (Y/N) Number of samples taken 0 Highest single chlorine dioxide reading 0.000  Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chloramine): Number of samples under 0.5 mg/L  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1009 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken 0 Highest single chlorite reading 0.000					Free Chlorine (for all disintectants except chloroi	mine):	
When filtration is slow sand filtration: Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU    Number of samples exceeded 5 NTU   Number of samples under 0.5 mg/L		•				_	0
Number of samples exceeded 1 NTU Number of samples exceeded 5 NTU    Number of samples exceeded 5 NTU   Number of samples under 0.5 mg/L		•					
APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1008 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken 0 Highest single chlorine dioxide reading 0.00  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE  ANALYTE CODE 1009 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken 0 Highest single chlorite reading 0.000					Number of samples under 0.5 mg/L		
ANALYTE CODE 1008 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken Highest single chlorine dioxide reading ANALYTE CODE 1009 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken 0	Number of san	nples exceeded 5 NTU					
ANALYTE CODE 1008 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken Highest single chlorine dioxide reading ANALYTE CODE 1009 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken 0	DESCRIPTION OF THE PROPERTY OF	vistava valori is Norewielo	MARAMATA MARAMATANA	GERENIN	CHLORUTE BANKY ROINT MONI	HORING	
ANALYTE CODE 1008 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken Highest single chlorine dioxide reading ANALYTE CODE 1009 Number of days of plant operation 30 Were samples taken each day of operation? (Y/N) Number of samples taken 0	APPLICABLE	TO PLANTS UTILIZING	G CHLORINE DIOXI	DE	APPLICABLE TO PLANTS UTILIZING CHI	LORINE DIOXIDE	
Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of samples taken  Number of samples taken each day of operation? (Y/N)  Number of samples taken  Output  Number of samples taken					ANALYTE CODE 1009		
Were samples taken each day of operation? (Y/N)  Number of samples taken  Highest single chlorine dioxide reading  Were samples taken each day of operation? (Y/N)  Number of samples taken  0  Highest single chlorite reading				30	Number of days of plant operation		7220
Number of samples taken  Number of samples taken  Number of samples taken  O  Number of samples taken  U  O  O  O  O  O  O  O  O  O  O  O  O			n? (Y/N)	- 5	Were samples taken each day of operation? (Y	/N)	
I nightest single chlorine dioxide reading	Number of sample	es taken					
Number of chlorine dioxide samples exceeded 0.8 mg/L Number of chlorite samples exceeded 1 mg/L					Highest single chlorite reading		
	Number of chlorin	e dioxide samples excee	eded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

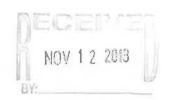
10-03-2013 Date

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY080027		MONITORING PERIOD	
Al 2987		L APPLICABLE FIELDS!!! NOT	
	ACCULATION AND A STATE OF THE S	POPULATED FOR YOU!	1
[-10]E(6	HASED THE RESERVE	III	ORDAN SANCTON NO TO A SANCTON
		LL WATER SYSTEMS	
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
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KY0980575	0		100
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ASSESSMENT AND A SECOND OF THE		SAUTA	
ESTATION ESTATEMENT OF A VALUE OF THE	APPLICABLE TO	SINFECTANT CONCENTRATION	
ANALYTE CODE 0999	AFT EIGABLE TO A	TEL WATER OF CHEM	Augu Streething
Number of days of operation	30	Free Chlorine (for all disinfectants	except chloramine)
Were samples taken each day of		Number of samples under 0.2	
Number of samples taken:		Total Chlorine (when disinfectant i	100000000000000000000000000000000000000
FDEE	120	Number of samples under 0.5	
TOTAL	120	·	
Lowest single FREE chlorine read			
Lowest single TOTAL chlorine rea	4-44		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent Date



### KENTUCKY DIVISION OF WATER

### Revised 01/04/07 **DRINKING WATER BRANCH**

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

PWS ID : _M	CONTRACTOR OF THE PROPERTY OF			PURCHASE/DISTRIBUTE ONLY
DIAIC MARIE.	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PVVS NAME:	Martin County Water D	istrict	PLANT CLASS: 3	DIST. CLASS: 2
GENCY INTEREST (AI):	2987		DATE MAILED:	11-01-2013
SOURCE NAME:	Crum Reservoir	S IS WILLIAM	COUNTY:	Martin
	Tug Fork			
	OPERATOR(S) RESPONSIBLE	/ IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	17562
WTP SHIFT 2:	Michael Sartin		1V-A	21944
WTP SHIFT 3:	Jerry L Belcher	E BELLEVIER .	1V-A	21719
DISTRIBUTION:		85.	10.104.70	
THIS REPO	NO LATER THAN 1			APPLICABLE FIELD OFFICE E MONTH.
TREATMENT PLANTS CO	OMPLETE:			
1. DESIGN CAPACITY (gpm):		1,667		
2. TYPE OF FILTRATION USED:		Dual Me	dia	
3. DESIGN FILTRATION RATE (g	gpm/sq. ft.):	2.66		
4. PERCENT BACKWASH WATE	ER USED:	0.8		
6. DATE FLOCCULATION BASIN	N(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/09	
6. DATE SETTLING BASIN(S) LA	AST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possiblity of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE



PWS ID: KY0800273
PLANT ID: A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: 10/2013 PAGE 1 OF 11

	RAW WATER	HOURS PLANT	COAGUI	LANT	COAGU	LANT	PH ADJUS		DISINFEC	21.71	DISINFEC	
	TREATED	OPERATED	100	PPM	LB9	PPM	LB8	PPM	Pre LBS	РРМ	LBS	PPM
YAY	GALLONS		LBS				CBO	7	508.9	33.4	194.6	12.8
1	1,825,000	23.0	204 1	13.4	4.0	0,3				32.6	169.7	11.4
2	1,786,000	23.0	189.5	12.7	4.0	0.3			485.5		- : 2	11.9
3	1,756,000	23.0	189.5	12.9	4.0	0.3	- Asia		442.5	30.2	175.0	
4	1,878,000	24.0	197.8	12.6	4.2	0.3			481.8	30.8	178.7	11.4
5	1,887,000	24.0	197.8	12.6	4,2	0.3		-	476.4	30,3	158.4	10.1
6	1,806,000	23.0	189.5	12.6	4.0	0.3			458.8	30.5	158 6	10.5
7	1,806,000	23.0	189,5	12.6	4.0	0.3			458.8	30.5	153.2	10.2
8	1,784,000	23.0	189.5	12.7	4.0	0.3	N. Cont.		458.8	30.8	158 1	10.6
9	1,781,000	23.0	189.5	12.8	4.0	0,3		HW/TV.	458.8	30.9	167.8	11.3
10	1,800,000	24.0	197.8	13.2	4.2	0.3			476,4	31.7	174.4	11.6
11	1,838,000	24.0	197.8	12.9	4.2	0.3			487,3	31.8	167.7	10.9
12	1,816,000	24.0	197.8	13.1	4.2	0.3			508.1	33.5	173.5	11.5
13	1,853,000	24.0	197.8	12.8	4.2	0.3			520.3	33.7	177,3	11.5
14	1,816,000	24.0	197.8	13.1	4.2	0.3			488.8	32.3	175.5	11.6
DENIN	1,851,000	24 0	197.8	12,8	4.2	0.3			527.2	34.2	183.1	11,9
15	AND THE REAL PROPERTY.	THE STATE OF	189.5	12.6	4.0	0.3			521.0	34.5	183 1	12 1
16	1,810,000	23.0			4.2	0.3			520.9	33.9	183.1	11.9
17	1,843,000	24.0	197.8	12.9		0.3			510.3	33.8	175.5	11.6
18	1,808,000	23,0	189.5	12.6	4.0			- V	520.5	33.7	183.1	11.8
19	1,854,000	24.0	197.8	12.8	4.2	0.3				32.4	153.2	10.4
20	1,773,000	23,0	189.5	12.8	4.0	0.3			479.5			10.7
21	1,845,000	24.0	197.8	12.9	4.2	0.3		N	536.2	34.8	164.7	DESCRIPTION OF
22	1,797,000	23.0	189.5	12.6	4.0	0.3			480.6	32.1	148.4	9.9
23	1,750,000	23.0	189.5	13.0	4.0	0.3			464.6	31.8	153.2	10.5
24	1,733,000	23.0	189.5	13.1	4.0	0.3			451.1	31.2	146 5	10.1
25	1,811,000	24.0	197.8	13.1	4.2	0.3			487.8	32.3	159.8	10.6
26	1,784,000	23.0	189.5	12.7	4.0	0.3			487.5	32.8	153.2	10.3
27	1,675,000	22.0	181.3	13.0	3.9	0.3			465.6	33.3	146.5	10.5
28	1,789,000	24.0	197.8	13.3	4.2	0.3			459.0	30.8	158.0	10.6
29	1,746,000	23.0	189.5	13.0	4.0	0.3			472.8	32.5	153.2	10.
30	1,811,000	24.0	197.8	13.1	4.2	0.3	100	1412	469 6	31.1	159.8	10.6
31	1,752,000	23.0	189.5	13.0	4.0	0.3	H in Oak		460.4	31.5	153.2	10.
TOTAL	55,864,000		5997.4		126.7		0.0		15025 8	XB	5140.1	
AVERAGE			193 5	12.9	4.1	0.3	#DIV/01	#DIV/0I	484.7	32.2	165.8	11,

#### APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 10/2013

PAGE 2 OF _____11

	2 PM	AS ENG			ST TWO STATES	CHI	MICALS ADDET				Softed ow	MIST SAID	Jan Bar	<b>ISSUES</b>
	DISINFEC	TANT	FLUOR	IIDE	CARE	ION	pH ADJI	JETMENT	KMin	104	CORRO		H20	2
		T V					Pos	rt		2	-			
DAY	LBS	РРМ	LBS	PPM	LBS	PPM	LB8	РРМ	LBS	PPM	LBS	PPM	LB8	PPM
1	703.5	46.2	58.4	3.8									7.5	0.5
2	655.2	44.0	58.4	3.9					(N			2011	6.5	0.4
3	617.5	42.2	58.4	4.0			A . 3						7.0	0.5
4	880.5	42.2	60.9	3,9									7.0	0.4
5	634.8	40.3	60.9	3.9									7.0	0.4
6	617.4	41.0	58.4	3.9								- 1	7.0	0.5
7	612.0	40.6	58.4	3.9									6.0	0.4
8	616.9	41.5	58.4	3.9		- 1.6		VIII.					6.5	0.4
9	626.6	42.2	58.4	3.9		143.1	me to		5 30				8.5	0.4
10	650.8	43.4	60.9	4.1									7.5	0.5
11	655.0	42.7	60.9	4.0			4500						8.0	0.5
12	681.6	45.0	60.9	4.0			5-5-11		311			in to the	8.5	0.6
13	697.6	45.1	60.9	3.9		A/_a		71.					8.0	0.5
14	664.3	43.9	60.9	4.0									9.5	0.6
15	710.3	46.0	60.9	3.9			574 yil		251		17.83		11 0	0.7
16	704.1	46.6	58.4	3.9		-18							10.0	0.7
17	704.0	45.8	80.9	4.0		17.0						133	10.0	0.7
18	685.8	45.5	58.4	3.9									10.0	0.7
19	703.6	45.5	60.9	3.9				( O O					10.0	0.6
20	632.7	42.8	58.4	3.9									10.0	0.7
21	700.9	45.8	60.9	4.0		20			Better				10.5	0.7
22	629.0	42.0	58.4	3.9					-0.4				10.0	0.7
23	617.8	42.3	58.4	4.0					ind .				9.5	0.7
24	597.6	41.3	58.4	4.0			With It w						12.0	0.8
26	647.6	42 9	60.9	4.0									10.0	0.7
Van-	640.7	43.1	58.4	3.9							- 8 2 1		10.5	0.7
26	612.1	43.8	55.9	4.0			1 31 9				1		13.5	1.0
28	617.0	41.4	60.9	4.1		1	1.51 (3)						11.0	0.7
	626.0	43.0	58.4	4.0	toje opij		R FAM	FireVal	24		G 1		10.0	0.7
29	629.4	41.7	60.9	4.0	13.11			EU					11.0	0.7
30				4.0	7	n aliezoj			Dis.		W 7'5		5.0	0.3
31	613.6	42.0	58.4	4.0	-		0.0	ALEXE IN	0.0		0.0		278.6	
TOTAL	20,165.9		1.842.9		0.0		0.0	455 (6)		4D/1/01	#DIV/01	#DIV/01	8.9	0.6
VERAGI	650.5	43.3	59.4	4.0	#DIV/01	#DIV/0!	#DIV/0I	#DIV/0I	#DIV/0I	#DIV/01	WEJIVJUI	#DIVIOI	0.0	0.

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

10/2013

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11.

and the	morter 12 los	рН	A STATE OF THE PARTY OF	тот		TOI	AL		CHLORINE	RESIDUAL	- 11 11 - 1		TURBIDITY (	VTU)
			1111	ALKAL	INITY	HARD		TOP FILT	OF	PLA TA			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	8.25	8.11	7.95	157	155	243	240	0.97	0.92	1.97	1.90	1.97	0.12	0.05
2	8.18	8.10	7.92	163	160	243	241	1.00	0.93	2.11	1.94	1.92	0.13	0.07
3	8.21	8.11	7.94	165	163	250	247	0.92	0.85	2.03	1.95	2.45	0.14	0.06
4	8.09	8.10	7.92	165	164	246	244	0.93	0.84	2.14	2.06	1.90	0.11	0.06
5	8.10	8.07	7.91	168	166	249	244	0.96	0.85	2.07	1.98	1.47	0.12	0.05
160	8.11	8.06	7.90	175	170	257	253	1.04	0.95	2.08	2.00	1.46	0.12	0.05
7	8.13	8.15	7.98	172	167	259	254	0.92	0.84	2.08	2.00	1.25	0.15	0.05
8	8.12	8.12	7.95	175	171	253	248	0.88	0.79	2.01	1.95	1.23	0.16	0.06
0	8.22	8.13	7.96	164	162	254	251	0.84	0.76	2.01	1,94	1.63	0.16	0.06
10	8.17	8.16	7.98	186	184	250	247	0.90	0.80	2.06	1.97	1.40	0.15	0.08
11	8.17	8.11	7.95	186	181	250	245	0.78	0.68	2.02	1.95	1.92	0.15	0.06
12	8.14	8.09	7.95	188	184	252	247	0.92	0.82	2.09	1.99	3.25	0.12	0.06
13	8.15	8.10	7.96	175	171	270	262	0.89	0.77	2.10	1.99	4.77	0.12	0.06
14	8.22	8.15	8.01	178	172	272	265	0.90	0.81	2.08	2.00	3.64	0.12	0.05
15	8.17	8.14	8.00	189	184	276	272	0.89	0.79	2.05	1.92	3.63	0.12	0.05
16	8.20	8.13	7.99	194	191	276	272	0.89	0.81	1.96	1.91	2.85	0.11	0.06
17	8.14	8.13	7.98	203	202	272	269	0.85	0.75	2.01	1.91	2.54	0.14	0.06
18	8.21	8.17	8.03	189	185	169	166	0.96	0.82	2.15	2.15	2.18	0.15	0.07
19	8.16	8.13	7.99	185	182	273	269	0.98	0.84	2.07	1.94	2.15	0.12	0.05
20	8.14	8.12	7.98	186	183	274	270	0.95	0.86	2.01	1.91	2.06	0.12	0.06
21	8.14	8.10	7.98	186	184	273	271	0.96	0.85	1.86	1.81	2.15	0.18	0,06
22	8.15	8.12	7.99	189	186	276	270	1.26	1.16	2.16	2.04	2.20	0.12	0.08
23	8.20	8.13	8.01	190	187	278	280	0.94	0.83	1.89	1.86	1.67	0.15	0.06
24	8.18	8.13	8.02	192	188	299	295	0.90	0.76	1.98	1.84	3.72	0.14	0.05
26	8.20	8.13	8.07	195	193	287	285	0.75	0.67	1.92	1.84	2.42	0.14	0.06
26	8.21	8.15	8.04	199	201	288	290	0.77	0.57	1.94	1.84	2.81	0.15	0.06
27	8.03	8.13	8.01	190	188	287	288	0.92	0.82	1.93	1.82	3.77	0.14	0.06
28	8.20	8.16	8.03	192	194	284	283	0.88	0.82	1.94	1.86	3.06	0.14	0.06
29	8.22	8.18	8.04	208	201	312	300	0.92	0.50	1.95	1.90	2.94	0.14	0.05
30	8.21	8.15	8.04	203	200	305	300	0.75	0.67	2.05	1.96	2.47	0.13	0.05
31	8.19	8.15	8.02	203	200	294	291	0.85	0.77	1.94	1.85	2.08	0.14	0.06
AVERAG	8.2	8.1	8.0	184	181	267	263	0.91	0.80	2.02	1.93	2.42	0.14	0.08

### **OPTIONAL INFORMATION-Surface Water Plants Only**

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

PWS ID: KY0800273

PLANT ID: AGENCY INTEREST:

A 2987

REPORT MONTH/YEAR:

10/2013

PAGE COPY PAGE AS NEEDED ANALYTICAL RESULTS (NTU)

	RAW		SEDIME		BASIN EFFL	UENT					L FILTER E				CFE
DAY	DAILY MAXIMUM	#1	#2	DAILY M	AXIMUM #4	<b>#</b> 5	#6	#1	#2	₩3	ILY MAXIMU	#5	#6	#7	MAXIMU
	1.97	- 4	0.15	0.14						0.06	0.07	0.07	0.07	K-118	0.05
2	1.92		0.14	0.21		Tile-1				0.06	0.07	0.08	0.07		0.05
3	2.45		0.17	0.18						0.08	0.09	0.13	0.07		0.05
4	1.95		0.13	0.12						0.06	0.07	0.08	0.08		0.05
5	1.47	TANK	0.15	0.15						0.06	0.08	0.07	0.06	101	0.05
6	1.46		0.13	0.25			1=1		DO AL	0.07	0.07	0.06	0.06	10	0.05
7	1.25		0.26	0.19						0.06	0.07	0.06	0.06		0.04
8	1.23		0.18	0.25						0.06	0.07	0.10	0.09		0.06
9	1.63		0.18	0.24						0.06	0.07	0.10	0.07		0.05
10	1.54		0.20	0.20				er in i		0.06	0.07	0.08	0.06		0.05
11	1.92		0.17	0.17						0.06	0.07	0.09	0.06		0.05
12	3.25		0.18	0.11				The same	7	0.06	0.07	0.09	0.07		0.05
13	4.77		0.18	0.12			7 6			0.06	0.07	0.07	0.06		0.05
14	3.64		0.17	0.11						0.06	0.07	0.07	0.06		0.05
15	3.63		0.16	0.13		III DOM	L USE III			0.06	0.07	0.06	0.06		0.05
16	2.85		0.13	0.14						0.06	0.06	0.08	0.07		0.05
17	2.54		0.12	0.10						0.05	0.07	0.06	0.06		0.04
18	2.18		0.17	0.13	8-					0.06	0.07	0.07	0.06		0.04
19	2.15		0.12	0.12					ni i	0.06	0.07	0.08	0.06		0.05
20	2.06		0.12	0.12						0.06	0.07	0.08	0.06	41	0.05
21	2.15		0.18	0.18			14			0.06	0.07	0.09	0.06		0.06
22	2.20		0.12	0.12						0.06	0.07	0.07	0.06		0.06
23	1.67		0.17	0.13						0.05	0.07	0.07	0.06		0.06
24	3.72		0.15	0.12						0.06	0.06	0.09	0.07	1000	0.06
25	2.42		0.12	0.16						0.05	0.06	0.08	0.06		0.06
26	2.81	4-7	0.13	0.16				SV N		0.05	0.06	0.08	0.06		0.06
27	3.77		0.17	0.18						0.05	0.06	0.09	0.05		0.06
28	3.06		0.14	0.17		11-11-2	12		88	0.05	0.06	0.10	0.06		0.06
29	2.94		0.15	0.18				F HIS		0.05	0.06	0.07	0.06	H (V)	0.05
30	2.47		0.13	0.13						0.06	0.07	0.06	0.06		0.08
31	2.08		0.16	0.14			T. Line			0.05	0.06	0.06	0.05		0.05
AVERAC	CONT.	#DIV/0!	0.2	0	#DIV/01	#DIV/0I	#DIV/0!	#DIV/01	#DIV/0!	0.06	0.07	0.08	0.06	#DIV/0!	0.05

APPLICABLE TO ALL PLANTS

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR:

10/2013

*Please answer Y/N question below this chart.

PAGE

OF

	FLUO	PRIDE		ON		GANESE	ESS OTHERWIS		Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL		INCHES	F°/C°
1	0.33	1.00	0.05	0.03	0.07	0.01			1.85		0.0	21.4
2	0.35	1.03	0.07	0.03	0.08	0.01					0.0	21.6
3	0.31	1.06	0.04	0.03	0.08	0.01			1.95		0.0	21.8
4	0.39	1.00	0.06	0.03	0.06	0.01			1.80		0.2	21.9
5	0.35	1.11	0.06	0.03	0.10	0.01			1.80	# F	0.0	22.0
6	0.35	1,12	0.05	0.03	0.06	0.01	III IN		1.75		0.0	22,0
7	0.35	1.06	0.05	0.03	0.06	0.07	100		1.85	18	0.2	22.3
8	0.34	1.08	0.06	0.03	0.06	0.01	E-NEW		1.50	94.1	0.0	22.1
9	0.34	1.13	0.03	0.03	0.08	0.01	1.00				0.0	21.7
10	0.39	1.15	0.06	0.03	0.09	0.01					0.0	21.2
11	0.40	1.03	0.06	0.03	0.11	0.01					0.0	20.8
12	0.39	1.01	0.05	0.03	0.18	0.01					0.0	20.7
13	0.31	1.03	0.12	0.03	0.13	0.01	1. 1.		1.80		0.0	20.4
14	0.32	1.00	0.11	0.03	0.13	0.01			1.85	8	0.0	20.5
15	0.34	1.03	0.10	0.03	0.11	0.01			1.90		0.0	20.4
16	0.32	1.05	0.10	0.03	0.10	0.01			1.50		0.0	20.5
17	0.30	0.95	0.06	0.03	0.09	0.01			1.85		0.2	20.4
18	0.42	1,19	0.05	0.03	0.08	0.01					0.2	20.1
19	0.36	0.90	0.05	0.03	0.11	0.01			1.90	·	0.0	19.8
20	0.41	1.05	0.05	0.03	0.10	0.01				营	0.1	19.0
21	0.40	1.04	0.03	0.03	0.09	0.01				***	0.0	18.5
22	0.43	1.05	0.07	0.03	0.09	0.01		7 5 1	1.85	海流	0.1	17.9
23	0.36	1.06	0.08	0.03	0.07	0.01		13.7	1.90		0.1	17.6
24	0.38	0.96	0.09	0.05	0.10	0.02			1.85		0.3	16.5
25	0.32	0.93	0.07	0.03	0.09	0.01			1.80		0.1	16.1
26	0.45	1.08	0.09	0.03	0.09	0.01			1.00		0.0	15.3
27	0.42	1.13	0.11	0.03	0.09	0.01			1.80		0.0	14.9
28	0.41	1.13	0.10	0.03	0.09	0.01			1.95		0.0	14.3
29	0.31	0.85	0.15	0.03	0.11	0.01			1.85	*	0.1	14.6
30	0.45	1.20	0.11	0.03	0.08	0.01		8	1.85		0.5	18.0
31	0.39	1.05	0.11	0.03	0.08	0.01			1.80		0.2	14.4
AVERAGE	0.37	1.05	0.07	0.03	0.09	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	1	Rainfall	19.3
							S. C. S. C.		1.50	45 km	107024	
							For Free Ch	of readings lorine, # less 2 mg/L	31		2.18	Biskli

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

N

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR:

PAGE

10/2013

7 1	AND AND REAL OF	deplace	MERDA	SSECTION	II ESTA (OTIS	FILTER OPER		m same			
	TOTAL	No:	3	No:	4	No:	- 6	No:	160	No: AREA (square feet)	
DAY	WASH WATER GALLONS	AREA (square feet) WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HR8	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
4	30,000	15,000	89.10	15,000	89.10				ID-		
2	0										
3	30,000					15,000	96.40	15,000	96.40		046
4	0										
5	0							<u> </u>			
6	27,000	14,000	96.40	13,000	96.40						
7	0										
8	29,000					14,000	97.00	15,000	97.00		15110
9					Ha Bu						
10	28,000	14,000	95.80	14,000	95.80						
11	0			7 7 7 7 1	-	J. 37					
12	30,000				100	15,000	93.50	15.000	93.50		
13	0										
571 (5)	30,000	15,000	90.60	15,000	90.60	BEN S					
14		13,000	80.00	10,000	00.00						
15	0					15,000	99.00	15,000	99.00		
16	30,000				TIMES	13,000	33.00	10,000	00.00	9300	13.19
17	0	45.000	05.40	45.000	05.40						
18	30,000	15,000	95.10	15,000	95.10						
19	0	10-00-11	1		1000	45.000	00.00	14,000	99.20		
20	29,000		4/4			15,000	99.20	14,000	99.20		The same
21	0									F-10	Ġ.
22	30,000	15,000	98.50	15,000	98.50						
23	0		-						00.00	AND THE	Dirty.
24	45,000	Cocol Coco	-			24,000	92.80	21,000	92.80		-
25	0		-								
26	34,000	17,000	93.10	17,000	93.20	Park to the		-			-
27	0										
28	34,000		-			17,000	88.60	17,000	88.80		-
29	0	4	-						-	3 2 3	
30	30,000	15,000	92.10	15,000	92.10		(POIC				
31	0								4		
TOTAL	466,000	120,000	750.70	119,000	750.80	115,000	666.50		666.70		0.00
AVERAGE	15.533	15,000	93.838	14,875 COPY AS NE	93.850	16,429	95.214	16,000	95.243	#DIV/01	#DIV/0

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 10/2013

PAGE 7 OF 11

1	CHE	MICALS ADDED	AGENTA OFFICE AND	TO TAKE THE		. Dia (idia) i ibit	SYSTEM OPERATION TEST RE				
	CHLORINE	CHLORINE			Taranta a			HLORINE RESIDUAL		WE	
DAY	BOOSTER	BOOSTER		T	F F	T SOL	TH F	T EAS	F	T	F
1	0.0			1.58	1.56	0.89	0.88	1.62	1.62	0.88	0.84
2	0.0			0.93	0.89	1.12	1.11	1.43	1.39	1.62	1.61
3	0.0			1.33	1.30	1.36	1.33	1.66	1.66	1,17	1.15
4	0.0			1.67	1.59	0.80	0.69	1.67	1.58	0.78	0.68
5	0.0			1.57	1.49	1.45	1.40	1.61	1.53	1.10	1.01
6	0.0	DESCRIPTION OF THE PERSON OF T	ASE OF	1.54	1.47	1.31	1.22	0.41	0.34	1.27	1.21
7	0.0			1.34	1.31	0.95	0.90	1.46	1.43	0.98	0.92
8	0.0			1.45	1.43	0.87	0.88	1.51	1.50	1.27	1.21
9	0.0		Ellin W	1.12	1.08	0.82	0.79	1,61	1 59	1 58	1.55
10	0.0			1.30	1.25	1.11	1.08	1.30	1.27	1.42	1.41
11	0.0			1,33	1.30	0.92	0.87	1.56	1,54	0.92	0.88
12	0.0			1.08	0.97	0.31	0.26	1.21	1.09	1,35	1.27
13	0.0	Lieuži		1.06	1.00	0.44	0.31	0.91	0.81	1.55	1.49
14	0.0		THE PARTY NAMED IN	1.52	1.49	1.18	1.12	1.63	1.60	0.89	0.82
16	0.0			1.47	1.40	1.05	1.00	1.62	1.59	1.65	1.80
16	0.0			1.60	1.59	1.15	1.13	1.55	1.52	1.05	1.02
17	0.0			1.36	1.31	1.63	1.60	1.64	1.61	1.57	1.54
18	0.0			1.67	1.64	1.73	1.71	1.76	1.71	0.74	0.70
19	0.0	100	(Estate)	1.67	1.49	1.65	1.53	0.63	0.58	0.78	0.66
20	0.0		199300	1.54	1.44	1.52	1.41	0,49	0.41	1.09	0 98
21	0.0			1.31	1.24	0.69	0.59	1.63	1.52	1.40	1.35
22	0.0		10000	1.69	1.53	1.33	1.25	1.57	1.52	1.68	1,59
23	0.0		10000	1.03	1.00	1.11	1.08	1.14	1.10	0.90	0.86
24	0.0			1.21	1.14	1.44	1.36	1.33	1.28	1.31	1.23
25	0.0			1.47	1.48	1.43	1.42	1.70	1.66	0.63	0.58
26	0.0			1.09	1.02	1.06	0.99	0.93	0.81	1.60	1.51
27	0.0			0.85	0.79	1.54	1.49	1.33	1.25	1.65	1.54
28	0.0	P. T. LET	EG-MA	1.39	1.31	1.15	1.10	1.30	1,26	0.89	0.81
29	0.0		oties se	1,55	1.52	1.21	1.15	1.59	1.55	1.03	0.96
30	0.0		Marine .	1.51	1.43	1.64	1.62	1.31	1,25	0.59	0.50
31	0.0		13.000	1.38	1.29	1.08	1.03	1.40	1.35	1.31	1.25
/EHADE	0.0	#DIV/0)	Avetage	1.37	1.31	1.16	1.11	1.37	1.32	1.18	1.12
DTAL	0.0	0.0	Yotal Minimum	0.85	IN SILVE	0.31		0.41	12-5-1	0.59	
	2000		Free Wirdmum		0.79		0.26		0.34		0.50

0.26

0.31

Total & Unforther Uniform Description of Free Residuals 124 Residual Minimum Monthly Free Rushuals 124 Residual Minimum Monthly Total Total & Less than 0.2 mg/L.

Total & Less than 0.5 mg/L.

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 31

						PWS ID :	KY080	00273	
T	URBIDITY	REPORT				PLANT ID:	Α	VE BELLE	
- 1	APPLICA	BLE TO ALL PLA	NTS WITH F	LTRATION	Report Period (	MM/YYYY):	10/2	013	PAGE:
PWS Na	me:		County Water	District					8 OF <u>11</u>
DAY	Hours Plant Operated	# of Turbidity Samples Required*	Mid - 4 am	4 am - 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	8 pm - Mld	Daily Maximum
1	23.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.046
2	23.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.047
3	23.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.046
4	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.051
6	24.0	6	0.05	0.05	0.04	0.04	0.04	0.04	0.050
6.	23.0	6	0.04	0.05	0.05	0.04	0.04	0.04	0.050
7	23.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.044
8	23.0	6	0.04	0.06	0.05	0.04	0.04	0.05	0.058
9	23.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.050
10	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.049
11	24.0	6	0.05	0.05	0.05	0.04	0.05	0.05	0.050
12	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
13	24.0	6	0.05	0.05	0.05	0.04	0.05	0.05	0.050
14	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
15	24.0	6	0.05	0.05	0.04	0.04	0.04	0.04	0.045
16	23.0	6	0.04	0.04	0.05	0.04	0.04	0.04	0.049
17	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.044
18	23.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.044
19	24.0	6	0.04	0.04	0.05	0.04	0.04	0.05	0.053
20	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
21	24.0	6	0.05	0.06	0.06	0.05	0.05	0.06	0.059
22	23.0	6	0.06	0.06	0.06	0.06	0.05	0.06	0.062
23	23.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.058
24	23.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.063
25	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.059
26	23.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.062
27	22.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
28	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
29	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
30	24.0	6	0.05	0.05	0.06	0.05	0.05	0.05	0.059
31	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
Total	726.0	186			тот	AL # OF TURBIDITY	SAMPLES TAKEN	186	0.063
ARE YO	U USING EITI	HER CONVENTIONAL	L or DIRECT FI	LTRATION? (Y/I	N) Y			B: 1.77	
	of filtration beside		0.4.0171		0.2 MTH	0	1 NTU	0	
	er of samples			J0	0.3 NTU	0			-
		filtration, the number			1 NTU		5 NTU		-
	The "Numbe re next whole	r of Turbidity Sample number.	s Required" is	the number of h	nours the plant oper	ated divided by 4	rounded		
•		ove turbidity reading	gs were taken	every 4 hours	during plant opera	tion and in the	time frames note	ed above.	
. 3	Car	ncipal Executive Office	sef .	O III			11-06.0	20/3 ate	
5	nynature or Pri	licipal Executive Office	AUTHORIZED	rigent					

For Trigger D.:

	ACABE VIOLE VA	PPLICABLE TO ALL	SURFACE WATER PL	ANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	artin County Water Dis	strict		
PWS ID:	KY08	300273			
PLANT ID:		Α			
Report Period (MM/YY	YY):	10/2	2013		
(also listed on th	e Summary Shee		turbidity triggers bollowing and subm		PAGE 9 OF
the appropriate i	report(s).	Tashidha Baadhaa	Tringer Level (can		Date and Time
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	State was Contacted
					The state of
	-				
<ul><li>B. Any one filter hat the end of th</li><li>C. Any one filter hat any time in e</li><li>D. Any one filter h</li></ul>	e first 4 hours of op- nas a measured turk ach of 3 consecutives a measured turk ach of 2 consecutives to filter number, the obvious reason for Filter number, the	poldity level of greater peration following a boldity level of greater remonths. Didity level of greater remonths.  Iturbidity measurement the exceedance turbidity measurement the exceedance	than 0.5 NTU in 2 contractwash or return to than 1.0 NTU in 2 contracts than 2.0 NTU in 2 contracts, the date of exceedance, the date of exceedance, the date of exceedance.	esecutive measurements taken 15 minutesecutive measurements	ites apart ites apart ceedance, if no
For Trigger C.:	Filter number, the	turbidity measurement	t, the date of exceedan	ce and a filter self-assessment within 14 c	lays of the

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

## MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273		MONITORING PERIOD (MMY)	YYY) 10/2013
-	NOTE: CON	IPLETE ALL	APPLICABLE FIELDS!!! NOT ALL O	
			POPULATED FOR YOU!!!	
		PLANT INF		CARS AND SHOOT HERE
	Al		O ALL PLANTS	FF 004 000
PLANT ID A			TAL WATER TREATED (gallons)	55,864,000
PLANT NAME	Martin County Water District		E. DAILY PRODUCTION (gallons)	1,802,065
AGENCY INTERE	ST 2987	MA	XIMUM PUMPAGE (gallons per day)	1,887,000
			FFLUENT TURBIDITY	STATE OF THE PARTY
	APPLICABL	E TO ALL PL	ANTS WITH FILTRATION	
ANALYTE CODE	0100			[V]
	onitored continuously? (Y/N)			Y
	nts recorded every 15 minutes? (Y/N)			N
was there a failure	e of the continuous monitoring equipme	samples collec	cted every four hours of operation? (Y/N)	
11 Yes, (1) we	s the continuously monitoring equipmen	t renaired with	in 5 working days? (Y/N)	
	er level greater than 1.0 NTU in two con			N
Was individual filts	er level greater than 0.5 NTLL in two con	secutive meas	surements after on line for more than four h	ours? (Y/N)
Was individual filts	er level greater than 1.0 NTU in two con	secutive meas	surements in three consecutive months? ()	Y/N)
Was individual filts	er level greater than 2.0 NTU in two cor	secutive mean	surements in two consecutive months? (Y/N	V)
If any of the last	4 hoxes are YES, fill out the Individu	al Filter Turb	idity Sheet and submit with the MOR	
The state of the s	BINED FILTER EFFLUENT TURBIDIT	And the second	ENTRY POINT RESIDUAL DISINFEC	TANT CONCENTRATION
APPLICA	BLE TO ALL PLANTS WITH FILTRA	TION	APPLICABLE TO AL	
Zi i Lion			0000	
ANALYTE CODE		700.0	ANALYTE CODE 0999  Number of days of plant operation	31
Number of hours		726.0	Were samples taken each day of operation	
	ken every 4 hours of plant operation? (	(/N) Y	Number of lowest chlorine samples recor	
Number of sample		0.06	Lowest single chlorine reading	1.50
Highest single turl	cept slow sand filtration:		If less than required:	
	mples exceeded 0.1 NTU	0	Was residual restored within 4 hours of p	plant operation? (Y/N)
	mples exceeded 0.7 NTU	0	Free Chlorine (for all disintectants except	t chloromine):
	mples exceeded 1 NTU	0	Number of samples under 0.2 mg/L	0
	slow sand filtration:		Total Chlorine (when disinfectant is Chlo	ramine):
	mples exceeded 1 NTU		Number of samples under 0.5 mg/L	
	mples exceeded 5 NTU		Ball Ballace	
200000	NE DIOXIDE ENTRY POINT MONITOR	DINIC:	CHLORITE ENTRY POIN	T MONITORING
APPLICABLE	TO PLANTS UTILIZING CHLORINE	DIOXIDE	APPLICABLE TO PLANTS UTILIZE	NG CHLORINE DIOXIDE
ANALYTE CODE	1008		ANALYTE CODE 1009	
Number of days		31	Number of days of plant operation	31
	ken each day of operation? (Y/N)		Were samples taken each day of operati	ion? (Y/N)
Number of sample		0	(manusers-	0
Highest single ch	lorine dioxide reading	0.00		0.00
Number of chloring	ne dioxide samples exceeded 0.8 mg/L	0	Number of chlorite samples exceeded 1	mg/L 0

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting talse information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

11-06-2013 Date

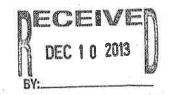
## MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800273	w constitution and the second	MONITORING PERIOD	(MMYYYY) 10/2013
AI 2987		APPLICABLE FIELDS!!! NOT A POPULATED FOR YOU!!	
PURCH	(ASED	SC	LD CONTRACTOR OF THE PARTY OF T
		L WATER SYSTEMS	
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
KY0980575	0		
			4-51
			A PROPERTY OF THE PARTY OF
	WILLIAM STREET		
		No letter and product of	
	DISTRIBUTION RESIDUAL DI	SINFECTANT CONCENTRATION	
	APPLICABLE TO A	LL WATER SYSTEMS	
ANALYTE CODE 0999			
Number of days of operation	31	Free Chlorine (for all disinfectants	except chloramine)
Vere samples taken each day of o	pperation? (Y/N)	Number of samples under 0.2	
Number of samples taken:		Total Chlorine (when disinfectant i	s chloramine)
EDEE	124	Number of samples under 0.5	
TOTAL	124		
Lowest single FREE chlorine readi	ng 0.26		
Lowest single TOTAL chlorine read			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

11-06-2013 Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS
Indicate one Surface water

PWS ID :	KY0800273	PLANT ID: A	PLANT NAME:	Mari	in County Water Distr	ict
PWS NAME:	Martin County Water Dis	strict	PLANT CLASS:		. CLASS: 2	181
GENCY INTEREST (AI):	2987		DATE MAILED:	12-06-	2013	- X
SOURCE NAME:	Crum Raservolr	15	COUNTY:	M	artin	
	Tug Fork					
	OPERATOR(S) RESPONSIBLE /	IN-CHARGE	CLASS	•	TION NUMBER	
WTP SHIFT 1:	Earl T Alley		1V-A		7562	
			44.4 6	2	1944	
WTP SHIFT 2:	Michael Sartin		1V-A			
WTP SHIFT 3:	Jerry L Belcher		1V-A	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE	Jerry L Belcher PORT MUST BE RECEIVED BY NO LATER THAN 10		1V-A	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE	Jerry L Belcher PORT MUST BE RECEIVED BY NO LATER THAN 10 COMPLETE:		1V-A N OF WATER AND R THE END OF TH	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE	Jerry L Belcher PORT MUST BE RECEIVED BY NO LATER THAN 10 COMPLETE:	DAYS AFTE	1V-A N OF WATER AND R THE END OF TH	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE TREATMENT PLANTS 1. DESIGN CAPACITY (9pm 2. TYPE OF FILTRATION US	Jerry L Belcher PORT MUST BE RECEIVED BY NO LATER THAN 10 COMPLETE:	DAYS AFTE	1V-A N OF WATER AND R THE END OF TH	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE TREATMENT PLANTS 1. DESIGN CAPACITY (9pm	Jerry L Belcher  PORT MUST BE RECEIVED BY  NO LATER THAN 10  COMPLETE: : : :ED: :E(gpm/sq. ft.):	Dual M	1V-A N OF WATER AND R THE END OF TH	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE TREATMENT PLANTS 1. DESIGN CAPACITY (9pm 2. TYPE OF FILTRATION US 3. DESIGN FILTRATION RA	Jerry L Belcher  PORT MUST BE RECEIVED BY  NO LATER THAN 10  COMPLETE:  : : :ED: :re (gpm/sq. ft.): :ATER USED:	1,66 Dual M 2.66	1V-A N OF WATER AND R THE END OF TH	APPLICABLE	1719	
WTP SHIFT 3: DISTRIBUTION: THIS RE  TREATMENT PLANTS  1. DESIGN CAPACITY (gpm 2. TYPE OF FILTRATION US 3. DESIGN FILTRATION RAT 4. PERCENT BACKWASH W	Jerry L Belcher  PORT MUST BE RECEIVED BY  NO LATER THAN 10  COMPLETE:  : : :ED: :re (gpm/sq. ft.): :ATER USED:	1,66 Dual M 2.60	1V-A N OF WATER AND R THE END OF TH	APPLICABLE	1719	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalties under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

12-05-2013 DATE



PWS ID : ____

KY0800273

APPLICABLE TO ALL PLANTS REPORT MONTH/YEAR:
PAGE 1

11/2013 OF 11

100	DAM	HOUSE	COAGU		COAGU		pH ADJUS	TMENT	DISINFEC	TANT	DISINFE	TANT
	WATER	HOURS PLANT	COAGO						Pre	4	Pos	
-	TREATED	OPERATED	LBS	РРМ	LBS	ррм	LBS	PPM	LBS	РРМ	LBS	рРМ
Y	GALLONS					0.3			458.2	31.9	149.9	10.4
	1,722,000	22.5	185.4	12.9	3.9				463.6	31,8	167.6	11.5
4	1,749,000	22.5	185.4	12.7.	3.9	0.3			-			10.2
	1,814,000	22.5	185.4	12,3	3.9	0.3			458.2	30.3	154.5	
	1,749,000	22.5	185.4	12.7	3.9	0.3			452,6	31.0	149.9	10.3
5	1,825,000	23.5	193.6	12.7	4.1	0.3			469.4	30.8	156.5	10.3
	1,756,000	22.5	185.4	12.7	3.9	0.3			452.8	30.9	149.8	10.2
,	1,758,000	22.5	185.4	12.6	3.9	0.3			452.6	30.9	143,7	9,8
8	1,733,000	22.0	181.3	12.5	3.9	0.3			444.4	30.7	146.5	10.1
9	1,763,000	22.5	185.4	12.6	3.9	0.3			457.4	31.1	152.3	10.4
		22.5	185.4	12.8	3.9	0.3			452.8	31.3	143.0	9.9
10	1,736,000	3 7 E SILS	181.3	12,4	3.9	0.3		7.	428.2	29.3	146.5	10.0
11	1,751,000	22.0		12.4	3,9	0.3			414.0	27.8	150.5	10,1
12	1,786,000	22.5	185.4			0.3			401.7	28.9	139.9	10.1
3	1,666,000	21.0	173.0	12.5	3.7				412.1	25.8	145.9	9.1
4	1,912,000	24.0	197.8	12.4	4.2	0.3				23.9	131.3	8,7
16	1,805,000	22,5	185.4	12.3	3.9	0.3			360.0		141.5	9.2
16	1,852,000	23,0	189.5	12,3	4.0	0.3			370.8	24.0	0-3	
17	1,807,000	22.5	185.4	12.3	3.9	0.3			362.4	24.0	144.0	9.6
18	1,767,000	22.0	181.3	12.3	3.9	0.3			364.4	24.7	143.0	9.7
19	1,821,000	22.0	181.3	11.9	3,9	0.3	-		374.1	24.6	149.0	9.8
20	1,793,000	22.0	181.3	12.1	3.9	0.3			373.7	25.0	146.5	9.8
21	1,850,000	23.0	189,5	12.3	4.0	0.3			368.0	23.9	153.2	9.9
22	1,752,000	22.5	185.4	12.7	3.9	0.3			362.4	24.8	156.2	10.7
	1,844,000	22.5	185.4	12.1	3.9	0.3			378.2	24.6	167.9	10.9
23	7	22.5	185.4	12.1	3.9	0.3			378.2	24.7	160.9	10.5
24	1,834,000		185,4	12.0	3.9	0.3			383.0	24.9	133.8	8.7
25	1,845,000	22,5	-		4.2	0.3			382.0	23.2	159.9	9.7
26	1,976,000	24.0	197.8	12.0		0.3			382.0	23.7	159.9	9.9
27	1,930,000	24.0	197.8	12,3	4.2				360.8	23.3	149.9	9.7
28	1,860,000	22.5	185.4	12.0	3.9	0.3			357.8	22.1	156.5	9.7
29	1,938,000	23.5	193.6	12.0	4.1	0.3	-				155.3	9.4
30	1,984,000	24.0	197.8	12.0	4.2	0.3		-	366.6	22.2	100,0	3.4
31						-			12142.4		4505.3	
TOTAL	54,378,000		5603.4 186.8	12.4	118.6	0.3	#DIV/01	#DIV/01	404.7	26.9	150.2	9.9

MAX

1,984,000

APPLICABLE TO ALL PLANTS

554.9

PWS ID : __ KY0800273 PLANT ID: A

OF

REPORT MONTH/YEAR: 11/2013

CHEMICALS ADDED H202 CORROSION PH ADJUSTMENT KMnO₄ CARBON FLUORIDE INHIBITOR PPM PPM LBS PPM LB8 LBS PPM PPM LBS PPM L88 DAY LBS PPM LB8 12.0 0.8 57,1 4.0 42,3 608.1 12.0 8.0 57.1 3.9 631.2 43.3 . 2 0.8 12,5 57.1 3.8 612.7 40,5 12.5 0.9 3.9 41.3 57.1 4 602.5 0.8 12.0 59.6 3.9 625,9 41.1 5 5,5 0.4 3.9 6 602.6 41.1 57.1 12.5 0.9 57.1 40.7 596.3 10.0 0.7 55.8 3.9 590.9 40.9 12.5 0.9 3,9 57.1 9 609.7 41.5 12,5 0.9 585.8 41.2 57.1 3.9 40 1.0 14.0 39.4 55.8 3.8 574.7 11 11.5 0.8 57.1 3.8 564.5 37.9 12 8.0 10.5 3.8 39.0 53.3 541.6 13 8.0 12.0 60.9 3.8 558.0 35.0 14 0.8 12,0 3.8 491.3 32,6 57.1 16 13.0 0.8 512.3 33.2 58.4 3.8 16 12,5 0.8 33.6 57.1 3.8 506.4 17. 0.7 11.0 3.8 18 507.4 34.4 55.8 0,8 11.5 3.7 55.8 34.4 523.1 18 8.0 11,5 3.7 520.2 34.8 55.8 20 0,6 9.5 58.4 3.8 521.2 33.8 21 11.5 0.8 67.1 3.9 518.6 35.5 22 11.5 0,7 57.1 3.7 546.1 35.5 23 11:0 0.7 57,1 3.7 35.2 539.1 0.6 9.5 33.6 57.1 3.7 516.8 28 0.6 10.0 3.7 541.9 32.9 60.9 26 9.5 0.8 60.9 3.8 541.9 33.7 27 0.0 57.1 3.7 510.7 32.9 28 3.7 59.6 514.3 31.8 29 3.7 60.9 30 521.9 31.5 31 306.5 0.0 0.0 0.0 0.0 1,725.4 16,647.7 TOTAL 0.7 #DIV/01 #DIV/0! 10.9 #DIV/0I #DIV/01 #DIV/01 #DIV/0! #DIV/0I #DIV/01 57.5 3.8 36.8

APPLICABLE TO ALL PLANTS

PWS ID:

KY0800273

REPORT MONTH/YEAR:

11/2013

PAGE

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____11

		pH		тот	AL	101	AL.		CHLORING	UFOIDOVE			TURBIDITY (N	TU)
- 1	- 75	TOP OF		ALKAL		HARD	NESS	FILT	ER	PLAI TA	P		SETTLED	PLANT TAP
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	Charles and
1	8.18	8.17	8.02	210	200	311	302	0.74	0.69	1.86	1.84	2.68	0.14	0.06
2	8.17	8.14	8.01	220	210	291	309	0.79	0.74	1.93	1.88	2.34	0.11	0.05
3	8.17	8.14	8.02	214	210	303	301	0.89	0.80	2.03	1.94	2.17	0.13	0.06
4	8.15	8.15	8:01	215	204	302	300	0.86	0.80	1.92	1.87	1.89	0.16	0.06
6	8.15	8.14	8.00	195	192	296	286	0.79	0.71	1.94	1.88	2.42	0.16	0.06
	8.15	8.11	7.98	190	188	290	287	0.84	0.79	1.96	1.80	1.76	0,14	0.05
6	8.15	8.10	7.98	188	186	312	296	0.86	0.78	2.03	1.97	1.76	0.15	0.06
7	Law year	8.13	7.99	191	188	290	285	0.80	0.73	1.94	1.88	1.71	0.15	0.06
8	8.15	7)	7.98	185	179	296	283	0.84	0.79	2.04	1.97	1.73	0.15	0.06
	8.15	8.12	7.98	183	179	287	276	0.91	0.83	2.04	1.98	1.64	0.14	0.06
10	8.16	8.12			178	308	291	0.91	0.84	2.01	1.94	1.61	0.17	0.06
11	8.19	8.16	8.03	183	185	308	303	0.85	0.78	1.96	1.90	1.75	0.15	0.05
12	8.19	8.18	8.02	190		285	280	0.87	0.80	2.13	2.07	1.22	0.16	0.06
13	8.21	8.16	8.03	185	182	289	284	0.89	0.81	1.98	1.90	1.33	0.14	0.06
14	8.21	8.18	8.05	193		309	301	0.82	0.75	1.93	1.86	1.63	0.17	0.06
15	8.25	8.20	8.06	194	191	10.77.27	300	0.85	0.78	1.94	1.89	1.51	0.15	0.06
10	8.22	8.18	8.03	188	183	310	1777	0.93	0.86	1.99	1.92	1.56	0.16	0.06
17	8.23	8.17	8.04	186	181	312	304		0.77	1.93	1.88	1.54	0.16	0.06
18	8.26	8.19	8.05	184	181	315	308	0.83		1.92	1.85	1.66	0.17	0.06
10	8.22	8.17	8.04	184	181	310	305	0.81	0.74		1.86	1.83	0.16	0.05
20	8.22	8.17	8,05	195	192	295	293	0.83	0.75	1.94		2.05	0.16	0.05
81	8.20	8.18	8.05	190	188	295	293	0.77	0.69	1.93	1.85	2.02	0.17	0.05
22	8.25	8.20	8.05	195	190	306	301	0.73	0.68	1.87	1.82	17	0.16	0.05
23	8.21	8.17	8.02	183	179	309	304	0.71	0.66	1.93	1.89	1.82		0.05
24	8.21	8.17	8.03	200	194	283	279	0.72	0.66	1.93	1.86	1.85	0.16	0.06
25	8,24	8.19	8.05	187	182	301	293	0.83	0.78	1.91	1.85	1.82	0.19	
26	8.24	8.22	8.06	181	177	306	301	0.84	0.78	1,50	1.90	1.82	0.19	0.06
27	8.24	8.19	8.03	180	183	283	280	0.50	0.68	1.87	1.79	2.82	0.25	0.07
28	8.23	8.17	8.03	183	183	288	285	0.93	0.87	1,95	1.89_	3.32	0.19	0.06
29	8.22	8,16	8.00	181	178	285	281	0.93	0,87	1.94	1.89	4.82	0.21	0.06
30	8.19	VI. 19 35	7.97	178	176	280	276	0,96	0.89	1,96	1.88	5.85	0.21	0.06
31		HAT.									-		ALEMATE TO	
AVERAG	3E 8.2	8.2	8.0	191	187	299	293	0.83	0.77	1.94	1.89	2.13	0.16	0.06

## OPTIONAL INFORMATION—Surface Water Plants Only

KY0800273 PWS ID :

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

PLANT ID:

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AGENCY INTEREST: REPORT MONTH/YEAR: 11/2013

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE

	RAW		SEDIME		ASIN EFFLU		Ma Information	KON WAYER		DAI	. FILTER EI LY MAXIMU	M			CFE DAILY
YAC	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMU
	2.68	V 1	0.24	0.16						0.05	0.06	0.13	0.12		0.08
2	2.34		0.11	0.13						0.05	0.06	0.07	0.05		0.05
3	2.17		0.19	0.15	1				ν	0.06	0.06	80.0	0.05	O di	0.06
4	1.89		0.16	0.19						0.05	0.06	0.10	0.06	110	0.07
•	2,42		0.17	0.21						0.05	0.06	0.09	0.07		0.07
ő	1.76		0.12	0.13						0.05	0.06	0.08	0.06		0.06
,	1.76		0.29	0.25						0.09	0.11	0.08	0.06	- 4	0.07
	1.71		0.18	0.17						0.05	0.06	0.07	0.05		0.08
8	1.73		0.15	0.32						0.05	0.06	0.10	0.07	100	0.06
9			0.16	0.15					b.	0.05	0.07	0.07	0.06	137 Y	0.05
10	1,64		0.34	0.21						0.07	0.09	0.08	0.06		0.06
11	1.61	4	0.16	0.19						0.06	0.07	0.08	0.06		0.05
12	1.75		0.16	0.18			3			0.05	0.07	0.07	0.06		0.05
43	1.22			0.15				10	17-1	0.05	0.07	0.07	0.07		0.05
14	1.33		0.15	0.19		-			U.	0.07	0.08	0.09	0.09		0.08
15	1.63		0.24							0.06	0.07	0.09	0.06		0.05
16	1.51		0.16	0.16						0.06	0.07	0.09	0.08		0.06
17	1.56		0.18	0.18			- 1			0,05	0.07	0.07	0.07		0.0
18	1.54		0.15	0.18			377		100	0.07	0.07	0.07	0.06	n	0.0
19	1.66		0.23	0.19		Λ 5/				0.05	0.06	0.06	0.06		0.0
20	1.83	-	0.19	0.17						0.05	0.06	0.08	0.07		0.0
31	2.05	The State of the S	0.17	0.22						0.05	0.06	0.07	0.06		0.0
22	2.02	A	0.24	0.18						0.06	0.07	0.06	0.06		0.0
25	1.82		0.19	0.18						0.05	0.06	0.06	0.06		0.0
24	1.85		0.18	0.20						0.05	0.06	0.10	0.08		0.0
25			0.18	0.32						0.05	0.06	0.09	0.06		0.0
26			0.20	0.24						0.06	0.09	0.12	0.06		0.0
27	2.82		0.32	0.32						0.05	0.06	0.09	0.06		0.0
2.8	3.32		0.23	0.20		-				0.05	0.06	0.10	0.08		0.0
29	4.82		0.23	0.25				_			0.06	0.08	0.06		0.0
30	5.85		0.25	0.23			30.0		7.5	0.05	0.00	0.00	0,00		
31		E.A.	0.2	0		#DIV/01		upp ve	400.00	0.06	0.07	0.08	0.07	#DIV/0	0.0

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

30

0

Number of readings For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L KY0800273

AFPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

11/2013

		wer Y/N que			ESULTS (mail	OR PPM UN	LESS OTHERW	SESPECIFIE	b)		X (18 )
	FLUC	ORIDE	A Administration of the Control of t	ON		NGANESE			Lowest Dally Chlorine Realdual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP, DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1	0.33	0.99	0.12	0.03	-0.07	0.01			1.80	0.3	14.9
2	0.40	1.20	0.10	0.03	0.08	0.02			1.85	0.0	15.2
3	0.41	1.05	0.08	0.03	0.09	0.01	2.35		1.70	0.0	14.6
4	0.48	0.98	0.16	0.03	0.08	0.01			1.90	0.0	14.9
5	0.36	0.97	0.13	0.03	0.08	0.02			1.75	0.0	14.1
6	0.39	1.07	0.09	0.03	0.09	0.01			1.85	0.0	14.4
7	0.12	0.88	0.09	0.03	0.08	0.02			1.95	0.6	14.3
8	0.36	0.89	0,07	0.03	0.08	0.01			1.80	0.1	14;9
9	0.44	0.98	0.04	0.03	0.09	0.01			1.85	0.0	14.7
10	0,38	1.09	0.10	0.03	0.09	0.02			1.85	0.0	13.7
71	0.38	0.98	0.10	0.03	0.08	0.04			1.75	0.0	13.6
12	0.37	0.95	0.11	0.03	0.05	0.01			1:85	0.1	12.8
13	0.42	0.85	0.06	0.03	0.06	0.03			1.70	0.1	11,4
14	0.40	0.98	0.09	0.03	0.07	0.02	100		1.80	0.0	10.9
15	0.46	1.01	0.12	0.03	0.06	0.03			1.80	0.0	11.1
16	0.45	0.98	0.13	0.03	0.04	0.01			1.85	0.1	10.3
17	0.41	1.00	0.14	0.03	0.05	0.01	- 04		1.75	0.0	10.1
18	0.34	1.00	0.14	0.03	0,06	0.01			1.75	0.4	11.4
19	0.36	0.89	0.11	0.04	0.06	0.01			1.65	0.0	11.6
20	0.40	0.96	0.15	0.03	0.08	0.04			1.75	0.0	10.1
21	0.30	0.95	0.14	0.03	0.08	0.02			1.65	0.0	10.2
22	0.37	0.91	0.13	0.03	0.11	0.02	X	e vilak	1.70	0.5	11.2
23	0.29	0.78	0.11	0.03	0.05	0.01			1.75	0.4	11.2
24	0.47	1.01	0.09	0.03	0.06	0.01			1.85	0.0	10.4
25	0.43	0.99	0.10	0.03	0.07	0.04	5.4	×	1.80	0.0	11.2
26	0.29	0.90	0.12	0.03	0.05	0.01			1.90	0.2	10.2
27	0.33	0.92	0.13	0.03	0.07	0.02			1.75	1.1	8.6
28	0.38	1.03	0.06	0.03	0.06	0.03			1.85	0.0	8.8
29	0.21	0.84	0.06	0.03	0.08	0.03	Linkhite		1.75	0.0	8.9
30	0.23	1.00	0.07	0.03	0.09	0.03			1.85	0.0	8.0
31	0.27	0.07	0.10	0.03	0.07	0.02	#DIV/0!	#DIV/0I	Monthly Minimum	Total Rainfall	11.9
VERAGE	0.37	0.97	0.10	0.03	0.07	0.02	#1510/01	#1010/01	1.65		11.3

Disinfectant Chloramines? (Y/N)

N

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

PAGE 6 OF 11

					6007002000000	OSSISTENCE CONTRACTOR		PAGE	6	OF	11
3	TOTAL	No:	3	No:	4	No:	5	No:	6	No:	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILT RUN						
DAY	GALLONS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HR5	GALLONS	HRS
1	28,000				-	14,000	90.60	14,000	90.80	43 F - 1	
2	0	<u> </u>	1.5								
3	29,000	14,000	86.80	15,000	86.90				17.		32
4	0				2		L				58
5	32,000					17000.00	87.60	15,000	87.60		
6.	0	à.									
7	30,000	15,000	92.10	15,000	92.10						
8	0										
9	28,000					14,000	90.00	14,000	90.00		
10	0								15.5	<u></u>	144
11	27,000	14,000	88.00	13,000	88.00				1. T. V		
12	0				-						
13	28,000		3.5			14,000	92.60	14,000	92.60		
14	0		A.L.						- 30	-t ₂ - 1	
15	26,000	13,000	89.10	13,000	89.00		77			17	
10	0	*7									
17	30,000					16,000	86.30	14,000	86.30		
18	0									- 4	
19	24,000	12,000	89.20	12,000	89.20		Vo.				
20	0										
	30,000		18.7	·		15,000	92.20	15,000	92.20		
21	0							n Clare			
23	24,000	12,000	88.00	12,000	88.10						10
24	0										
26	25,000					12,000	84.80	13,000	84.80		
	0										
26 27	28,000	14,000	94.90	14,000	94.90						
28	0										
29	25,000				1.5	13,000	92.60	12,000	92.60		
-30	0				77.7						
	0			h	IN Y				- 1		
31 TOTAL	414,000	94,000	628.10	94,000	628.20	115,000	716.70	111,000	716.90	0	0.00
TOTAL	13,355	13,429	89.729	13,429	89.743	14,375	89.588	13,875	89.613	#DIV/01	#DIV/0

COPY AS NEEDED

ALL WATER BYSTEMS

PWS ID: KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: 11/2013

PAGE

+	CHLORINE	MICALS ADDED CHLORINE			***************************************	TOTAL		ESULTS HLORINE RESIDUAL	(mpm)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20-20-00-00
	BOOSTER	BOOSTER		NO	RTH		UTH	EA	ST ST	WI	8T
γ	FBB	LBS	-	Ţ	F	T	P	1	F	I(	
	0.0		-	1.40	1,31	0.91	0.87	1.38	1.29	0.99	0.89
	0.0			1,47	1.44	1,44	1.36	0.81	0.76	0.94	0.89
	0.0			1.49	1.43	1,51	1.46	0.62	0.54	0.82	0.75
	0.0			1.18	1,02	1.43	1.39	1,59	1.57	1,29	1.22
	0.0			1.60	1,54	1.37	1,28	1.14	1.06	1,39	1.28
	0.0			0.97	0.87	1.09	1,03	1.58	1.49	1.06	0.97
	0.0			1,39	1.32	1.38	1.32	0.93	0.86	1.42	1.34
	0.0			1.16	1,09	0.96	0,89	1.59	1,50	1.01	0.93
	0.0			1.57	1.49	1,67	1.60	0.47	0.37	0.93	0,84
	0.0	-11/2		1.51	1.43	1.57	1,58	0.47	0.42	0.72	0.62
	0.0	H. Tarak		1.40	1,33	1,53	1.47	1.44	1.38	1.42	1.37
	0.0	4. 14.		1.41	1.36	1.43	1,27	1.60	1.57	1.04	0,96
	0.0			0.94	0.81	1.34	1,31	1.49	1.42	1.05	0.96
	0.0			1.21	1,13	1,21	1.19	1.55	1.47	1.48	1.39
	0.0			1.40	1.28	1.07	1.01	1.52	1.46	1.08	0.99
	0.0			1.36	1,30	1.46	1,38	0.99	0.94	0.86	0.80
	0.0			1.07	1.05	1.56	1.49	0.98	0.87	0.45	0.38
	0.0			1,49	1,39	0.61	0.52	1.54	1.42	1.64	1.53
	0.0			0.88	0.79	1.14	1.06	1.40	1.31	1,01	0,92
	0.0			1,40	1.23	1.43	1,35	1.62	1.58	1.61	1,52
	0.0			1.62	1.47	1.68	1,56	1.64	1,55	1.62	1.53
	0.0			0.76	0.63	0.44	0,39	1.29	1.24	0.90	0.78
	0.0			0.68	0.65	1.05	1.00	1.26	1.21	1,44	1,38
	0.0			1.42	1.37	1,60	1.57	1.21	1.15	1.56	1,50
	0.0			1.47	1,39	0.94	0.84	1.50	1.43	1.01	0.86
	0.0		5	1.38	1.29	1.27	1.15	1,45	1.36	1,58	1.52
	0.0			1.49	1.40	1.42	1.29	1.17	1.12	1.60	1.55
	0.0			1,52	1.44	1.55	1.46	1.42	1.28	0.97	0.88
	0.0			1.51	1,42	1.60	1.49	1.04	0.92	1.48	1.40
	0.0			1.53	1.49	1.53	1,46	0,98	0.91	1.13	1.08
	0,0										
GE	0.0	#DIV/0I	Average	1.32	1,24	1.31	1.23	1.26	1,18	1.18	1.10
	0.0	0.0	Total Minimum	0.68		0.44		0.47		0.45	
-	,		Minknum		0.63		0.39		0.37		0.38

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 30

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

	TURBIDITY	REPORT				PLANT ID:	. А		
	APPLICA	BLE TO ALL PL	ANTS WITH F	LTRATION	Report Period	(MM/YYYY):	11/20	013	PAGE:
PWS	Name:	-	County Water	District					8 OF 11
DAY	Hours Plant Operated	# of Turbidity Samples Required*	Mid 4:am	4 am - 8 am	8 am - Noon	Noon - 4 pm	4 pni +8 em	8 pm - Mid	Dally Maximum
1	22.5	6	0.05	0.08	0.06	0.05	0.05	0.06	0.079
2	22.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
	22.5	6	0.05	0.06	0.06	0.05	0.05	0.06	0.060
	22.5	6	0.06	0.06	0.06	0,06	0.06	0.07	0,065
6	23.5	6	0.07	0.06	0.06	0.06	0.06	0.06	0.065
	22.5	6	0.06	0.06	0.06	0.05	0.06	0.06	0.058
	22.5	6	0.06	0.07	0.06	0.05	0.05	0.06	0.072
8	22.0	6	0.05	0.05	0.06	0.05	0.06	0.06	0.057
9	22.5	6	0.06	0.06	0.05	0.05	0.05	0.05	0,060
10	22.5	6	0.05	0.05	0.05	0.04	0.05	0.05	0.050
11	22.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.060
12	22.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
-13	21.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
14	24.0	6	0.05	0.05	0.05	0.04	0.05	0.05	0.050
15	22.5	6	0.05	0.05	0.05	0.05	0.05	0,05	0.050
16	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
17	22.5	6	0.06	0.06	0.05	0.05	0.05	0.05	0.060
18	22.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.048
19	22.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.049
20	22.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.042
21	23.0	6	0.04	0.04	0.05	0.04	0.04	0.04	0.050
22	22.5	6	0.04	0.04	0.04	0.04	0.04	0.04	0.041
23	22.5	6	0.04	0.05	0.04	0.04	0.04	0.04	0.050
24	22.5	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
26	22.5	6	0.04	0.05	0.05	0.04	0.05	0.05	0.049
26	24,0	6	0.05	0.05	0.04	0.04	0.04	0.05	0.046
27	24.0	6	0.05	0.05	0.06	0.05	0.05	0.05	0.060
28	22.5	6	0.05	0.05	0.05	0.04	0.04	0.04	0.050
29	23.5	6	0.04	0.05	0.05	0.04	0.04	0.04	0.050
30	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.042
91	0.0	0							0.000
Total	680.0	180			то	TAL # OF TURBIDITY	SAMPLES TAKEN	180	0.079
ARE	OU USING EITH	ER CONVENTION	AL or DIRECT FI	LTRATION? (Y/N	) Y				
Any ty	of of tilitation pesides	slow sand)			0.3 NTU	0	1 NTU	0	
Num	ber of samples			0	-				111
		iltration, the number	•		1 NTU		5 NTU		<del>-</del>
	E: The "Number the next whole r	of Turbidity Samp	les Required" is	the number of he	ours the plant ope	rated divided by 4	rounded		
			111	accent 4 haces	dusing plant anas	ation and in the	time frames noted	t ahove	
cer	ify that the abo	ve jurbidity readil	igs were taken	every 4 nours o	dring plant oper	auon and in the	12-05-0	2013	\$
	Signature of Prin	cipal Executive Offi	cer of Authorized	Agent		•	Da		
		A STATE OF THE STA	,						

36 00 5

PWS ID:

KY0800273

WS ID:	KY08	artin County Water D 300273		Total	
LANT ID:		Α		<u> </u>	
port Period (MM/YYY	Υ):		/2013	B7 5	
any filter exceed	ded any one of tl	ne individual filte	er turbidity triggers	s below,	
Action to continue to the second		t), complete the	following and sub	omit -	
ne appropriate re	port(s).	Turbidity Reading	1.	Series   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997	PAGE 9 OF Date and Time
Date	Filter Number	(NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	State was Contact
					1-1-1-1-1-1-1-1-1
	A				T. STEVENS
	75 11 1				
					J. 1. A. C.
				T	
×					
					×
					1

Report Required: For Trigger A.:

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the For Trigger C.:

exceedance

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation For Trigger D.:

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273	ķ.	MONITORING PERIOD (MMY	YYY) 11/2013
	NOT	E: COMPLETE ALL	APPLICABLE FIELDS!!! NOT ALL C	F THE FIELDS ARE PRE-
	1 (a) (b) (c)	PLANT INF	POPULATED FOR YOU!!! ORMATION	
			O ALL PLANTS	
PLANT ID A			TAL WATER TREATED (gallons)	54,378,000
AGENCY INTERE	Martin County Water I	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	E. DAILY PRODUCTION (gallons)  XIMUM PUMPAGE (gallons per day)	1,812,600 1,984,000
AGENOT INTERE		James III	(3	
			FFLUENT TURBIDITY ANTS WITH FILTRATION	
Were measureme Was there a failure If Yes, (1) we (2) wa Was individual filte	onitored continuously? (Y/N) ents recorded every 15 minutes e of the continuous monitoring are individual filter effluent turbic s the continuously monitoring e er level greater than 1.0 NTU ir er level greater than 0.5 NTU ir er level greater than 1.0 NTU ir er level greater than 2.0 NTU ir er level greater than 2.0 NTU ir	? (Y/N) equipment? (Y/N) dity grab samples collect quipment repaired with two consecutive meas two consecutive meas two consecutive meas	cted every four hours of operation? (Y/N) in 5 working days? (Y/N)	(/N) N
COM	BINED PILTER EPPLUENT TU BLE TO ALL PLANTS WITH	RBIDITY	ENTRY POINT RESIDUAL DISINEES APPLICABLE TO AL	TANTICONGENERATION L PLANTS
ANALYTE CODE Number of hours of Were samples tak Number of sample Highest single turb For all filtration ex Number of san Number of san Number of san When filtration is s Number of san	0100 of plant operation sen every 4 hours of plant opera es taken	680.0	ANALYTE CODE	ded 30 1.65 lant operation? (Y/N) chioromine):
	JE DIOXIDE ENTRY POINT M		CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZI	MONITORING NG CHLORINE DIOXIDE
ANALYTE CODE Number of days of Were samples tak Number of sample Highest single chlor	1008 f plant operation ten each day of operation? (Y/	30 N)	ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation  Number of samples taken  Highest single chlorite reading  Number of chlorite samples exceeded 1 in	30 on? (Y/N) 0 0.00

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

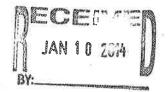
WS ID KY08002	73	MONITORING PERIOD	(MMYYYY) 11/2013
2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT	
8.15	Area Area	POPULATED FOR YOU!	DLD
Pak	CHASED APPLICABLE TO ALI		
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0		
KY0980575	0	7	
<u> </u>	× · · · · · · · · · · · · · · · · · · ·		**************************************
TISTUR ME			
124 0 20 2 2			
	·	100 11 110	
	NA.		
	7) X4		
	1)		V 2 2 2 2 2 2 1
			T See Links to the
14/21-1/2			V 102-5, 163 52 2
	E-me-		geta ettine P. Ja
4 (2.2.4)	DISTRIBUTION RESIDUAL DISI	NECTANT CONCENTRATION	
ALYTE CODE 0999	APPLICABLE TO ALI	WATER SYSTEMS	
ALYTE CODE 0999 mber of days of operation	30	Free Chlorine (for all disinfectants	except chloramine)
re samples taken each day of		Number of samples under 0.2 r	
nber of samples taken:		Total Chlorine (when disinfectant is	
FREE	120	Number of samples under 0.5 r	
TOTAL	120		
vest single FREE chlorine read			
west single TOTAL chlorine rea	ading 0.44		11

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

12-05-2013

Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

PWS ID :	KY0800273 PLANT ID: A	PLANT NAME:	Martin County Water District		
PWS NAME:	Martin County Water District	PLANT CLASS: 3	-		
GENCY INTEREST (AI):	2987	DATE MAILED:	01-08-2014		
SOURCE NAME:	Crum Reservoir	COUNTY:	Martin		
	Tug Fork				
	OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER		
WTP SHIFT 1:	Earl T Alley	1V-A	<u>17562</u> 21944		
WTP SHIFT 2:	Michael Sartin	1V-A	21719		
WTP SHIFT 3: DISTRIBUTION:	Jerry L Belcher	1V-A	21/19		
THIS RE	PORT MUST BE RECEIVED BY THE DIVISIO				
	NO LATER THAN 10 DAYS AFTE				
TREATMENT PLANTS	NO LATER THAN 10 DAYS AFTE	R THE END OF THE			
TREATMENT PLANTS	NO LATER THAN 10 DAYS AFTE  COMPLETE:  1,66	R THE END OF THE			
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)  2. TYPE OF FILTRATION US	NO LATER THAN 10 DAYS AFTE  COMPLETE: 1,66  Dual M	R THE END OF THE			
TREATMENT PLANTS	NO LATER THAN 10 DAYS AFTE           COMPLETE:         1,66           EED:         Dual M           TE (gpm/sq. ft.):         2.6	R THE END OF THE			
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm  2. TYPE OF FILTRATION US  3. DESIGN FILTRATION RATE	NO LATER THAN 10 DAYS AFTE  COMPLETE:  1. 1,66  ED: Dual M  TE (gpm/sq. ft.): 2.66  ATER USED: 0.77	R THE END OF THE			
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm.  2. TYPE OF FILTRATION US  3. DESIGN FILTRATION RAT  4. PERCENT BACKWASH W	NO LATER THAN 10 DAYS AFTE  COMPLETE:  1,66  1,66  Dual M  TE (gpm/sq. ft.):  ASIN(9) LAST CLEANED:  2,61  42 - 3/18/10	R THE END OF THE			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE

APPLICABLE TO ALL PLANTS

KY0800273 PWS ID: PLANT ID: Α

OF

12/2013

REPORT MONTH/YEAR:

PAGE

323.2

309.2

319.4

8942.7

288.5

159,8

156.5

4880.4

157.4

19.0

20.1

18.0

8.8

9.8

9.8

DISINFECTANT DISINFECTANT COAGULANT pH ADJUSTMENT COAGULANT RAW HOURS WATER PLANT TREATED OPERATED LBS PPM PPM LBS PPM LBS PPM LBS PPM: LBS DAY GALLONS 21,8 113.5 7.0 352.0 12.0 0.3 1,932,000 23.5 193.7 9.2 302.2 18.5 150,5 0.3 197.8 12.1 4.2 1,955,000 24.0 7.9 298.4 18.6 126.7 0.3 193.7 12.1 4.1 1,923,000 23.5 129.4 8.0 297.6 18.3 0.3 1,946,000 24.0 197.8 12.2 4.2 153.2 9.6 271.8 17.1 0.3 23.0 189.6 11.9 4.0 1,910,000 9.7 159.8 16.3 268.8 16.1 4.2 0,3 24.0 265.1 1,975,000 9.7 159.8 16.3 268.8 4.2 0.3 24.0 265.1 16,1 1,975,000 153.2 9.6 16.1 257.6 4.0 0.2 15.9 254.2 1,920,000 23.0 156.5 9.6 263.2 16.1 0,3 4.1 1,956,000 23.5 259.7 15.9 16.3 159.8 9.7 268.8 0.3 19.0 4.2 312.5 1,976,000 24.0 159.8 10.2 272.6 17.3 0.3 24.0 312.5 19.9 4.2 1,886,000 17.2 159.8 9.9 278.2 312.5 19.3 4.2 0.3 24.0 1,938,000 9.9 17.3 159.8 280.6 0.3 312.5 19.3 4.2 1,940,000 24.0 9.8 17.1 159.8 278.2 19.2 4.2 0.3 312.5 1,955,000 24.0 159.8 10.1 275.0 17.3 19,7 4.2 0.3 24.0 312.5 1,905,000 276.3 17.0 159.8 9.9 24.0 312.5 19.3 4.2 0.3 1,945,000 156.5 9,9 16.6 263.2 306.0 19.3 4.1 0.3 23.5 1,902,000 10.0 17.7 159.8 283.0 0.3 24.0 312.5 19.6 4.2 1,915,000 10.2 159.8 18.1 283.0 4.2 0.3 24.0 312.5 20.0 1,870,000 10.0 159.8 17.4 277.2 0.3 24.0 312.5 19.6 4.2 1,910,000 17.7 159.8 10.0 283.0 0.3 4.2 1,916,000 24.0 312.5 19.6 21 257.6 16:4 153.2 9.7 0.3 4.0 299.5 19.0 1,886,000 23.0 22 275.0 17.3 179.3 11.3 0.3 352.3 22.1 23.5 1,911,000 183.1 11.4 277.2 17.2 24.0 359.9 22.3 4.2 0.3 1,932,000 183.1 11.8 297.8 19.2 0.3 24.0 359.9 23.2 4.2 1,863,000 169.1 10.5 20.2 325,B 0.3 4.2 359.9 22.4 1,930,000 24.0 20.8 159.8 10.1 329.0 0.3 4.2 22.8 24.0 359.9 27 1,896,000 10.0 159.8 329.0 20.5 0.3 4.2 22.5 1,921,000 24.0 359.9 159.8 10.1 20.4

0.3

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#DIV/01

#DIV/01

4.2

4.2

4.1

129.0

4.2

1,903,000

1,951,000

1,906,000

59,649,000

1,924,161

1,976,000

28

30.

TOTAL

AVERAGE

24.0

24.0

23.5

359.9

359.9

352.3

9283.5

299.5

22.7

22.1

22.2

18.7

	W. Control		in the street	Constant
APP	LICABLE!	TO ALL PL	ANTS	
			101	

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 12/2013

PAGE 2 OF 11

	DISINFEC	TANT	FLUOR	NDE	CARE	7.1	PH ADJU	JSYMENT	KMr	104	CORRO	1000	H20	2
İ							Pos	si				-5.5		
AY	LBS	РРМ	LBS	РРМ	LBS	PPM	LBS	РРМ	L98	РРМ	LBS	PPM	Les	PPM
	465.5	28.9	59.6	3.7										
	452.7	27.8	60.9	3.7		101			7			~ ·_		
	425.1	26.5	59.6	3.7					2					1
	427.0	26.3	60.9	3.8		χ						-125		
	425.0	26.7	58.4	3.7				fis				136.5	1 100	يتوجا
	428,6	26.0	60.9	3.7							S., 198			184 1710 TE
	428.6	26.0	60.9	3.7			14 5					4.0.5		727
	410.8	25.7	58.4	3,6			7.7.0	- V				17-53		
	419.7	25.7	59.6	3.7			- 21							
0	428.6	26.0	60,9	3.7										
	432.4	27.5	60.9	3,9										
2	438.0	27.1	60.9	3.8								diam'r.	STATE OF THE	5 G
3	440.4	27.2	60.9	3,8						_				1
4	438,1	28.9	60.9	3.7			2.22	1,8					A	
5.	434.8	27.4	60.9	3.8									I PURE	100
6	436.1	26.9	60.9	3.8		***	TI,	4.1%			1.0	3 53 2		
7	419.7	26.5	59.6	3.8				1)				1 9 4		
18	442.8	27.7	60.9	3,8								2 12/14	H TIEF IV	
9	442.8	28.4	60.9	3.9										WE F
0	437.0	27.4	60.9	3.8								54.5		7 Lb
1	442.8	27,7	60.9	3.8										
12	410.8	26.1	58.4	3.7									1, [150]	171
263	454.3	28.5	59.6	3.7								i	47.4	V.
24	460.3	28.6	60.9	3.8		-								
28	480.9	31.0	60.9	3.9				V				L	4 30-10	
26	494.9	30,7	60.9	3:8							5		- 3 4	1143
217	488.8	30.9	60.9	3.9									17.24	
48	488.8	30.5	60.9	3.8										
29	483.0	30.4	60,9	3.8										
30	469.0	28.8	60.9	3.7								57.4		£
	475.9	29.9	59,6	3.7			× - 1						y Es	S.E.J.
OTAL	13,823.2		1,872,6		0.0		0.0		0.0		0.0	L 65. E13	0.0	
ERAGE		27.8	60.4	3,8	#DIV/0I	#DIV/0I	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0I	#DIV/01	#DIV/01	#DIV/01	#DIV/

APPLICABLE TO ALL PLANTS

PWS ID : __ PLANT ID: __ KY0800273

REPORT MONTH/YEAR:

12/2013

PAGE 3

OF _____1

-		pH	PART FEMALES	тот	TAL	TOT	TAL	-	CHLORINE	RESIDUAL	2000		TURBIDITY (N	TU)
		TOP OF		ALKAL		HARD		TOP FIL	TER	PLA T/	AP .		SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	ТАР
1	8.19	8.13	7,98	175	171	292	288	1.08	0.99	1.97	1,88	5.50	0.19	0.06
2	8.17	8.12	7.98	175	171	290	287	0.87	0.92	1.93	1.86	4.62	0.19	0.06
	8.18	8.13	8.00	175	169	295	292	0.90	0.87	1.78	1.69	4.05	0.18	0.06
	8.15	8.10	7.96	177	174	278	272	0.75	0.67	1.96	1.87	3.72	0.17	0.06
6	8.14	8.08	7.96	185	183	273	268	0.72	0.63	1:95	1.87	3.46	0.18	0.06
O)	8.14	8.09	7.97	174	170	287	281	0.76	0.70	1.93	1.85	3.26	0.17	0.06
7	8.11	8.05	7.90	174	169	286	281	0.73	0.67	1.93	1,87	3.44	0.14	0.05
Β	8.09	8.01	7.90	175	172	278	274	0.68	0.61	1.89	1.80	5.25	0,17	0.06
9	8.12	8.01	7.90	165	161	250	246	0.78	0.72	2.01	1.92	6.69	0.19	0.06
10	8.05	7.99	7.83	157	154	266	259	0.81	0.78	1.92	1.82	7,71	0.18	0.05
1/1	8.06	8.01	7.88	168	162	250	247	0.82	0.73	1.95	1.91	7.44	0.18	0.06
(12)	8.00	7.96	7.82	168	165	250	246	0.68	0.61	1.96	1.87	7.85	0.18	0.05
.15	7.97	7.93	7.78	166	158	254	244	0.63	0.56	1.92	1.86	7,98	0.18	0.05
14	7.96	7.87	7.75	170	167	258	255	0.66	0.58	1.96	1.88	7.96	0.15	0.05
15	7.93	7.83	7.72	161	155	254	248	0.69	0.61	1.96	1,88	8.87	0.15	0.06
16	7.91	7.84	7.72	159	155	251	245	0.68	0.61	1.91	1.83	8.61	0.15	0.05
17	7.88	7.87	7.72	154	148	249	243	0.67	0.61	1.99	1.91	7.93	0.17	0.05
18	7.88	7.84	7.72	151	146	225	221	0.64	0.55	2.03	1.97	7.88	0.14	0.06
10	7.85	7.86	7.72	151	146	230	224	0.67	0.60	1.92	1.87	7.87	0.16	0.05
20)	7.87	7.85	7.73	145	140	235	229	0.61	0.55	1.96	1.89	8.01	0.16	0.05
21	7.90	7.80	7.68	140	137	224	220	0.62	0.53	1.98	1.91	7.85	0.14	0.05
12	7.86	7.76	7.65	143	139	225	220	0.60	0.52	1.89	1.82	8.12	0.17	0.06
23	7.74	7.69	7.61	114	111	215	210	0.58	0.52	1.89	1.82	13.40	0.26	0.05
24	7.73	7.66	7.57	112	108	206	200	0.68	0.63	1.95	1.87	13.90	0.18	0.06
25	7.64	7.58	7.52	114	109	180	178	0.50	0.42	1.93	1.82	15.30	0.16	0.06
26	7.65	7.60	7.49	100	96	115	112	0.69	0.61	1.98	1.88	17.40	0.19	0.06
21	7.67	7.59	7.46	97	92	165	161	0.72	0.66	1.99	1.92	17.00	0.17	0.05
28	7.61	7.54	7.43	76	72	158	155	0.71	0.64	2.03	1.95	19.80	0.16	0.05
28	7.59	7.52	7.41	106	103	152	148	0.74	0.65	2.00	1.94	19.80	0.17	0.06
30	7.60	7.48	7.37	78	73	139	134	0.70	0.64	1.91	1.84	18.70	0.17	0.05
34	7.57	7,47	7.36	68	64	142	137	0.78	0.73	1.97	1.88	18.50	0.16	0.05
AVERAGE		7.8	7.7	144	140	231	227	0,71	0.65	1.95	1.87	9.61	0.17	0.05

### OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

PLANT ID:

A 2987

AGENCY INTEREST: REPORT MONTH/YEAR:

12/2013

DRINKING WATER BRANCH AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

KENTUCKY DIVISION OF WATER

COPY PAGE AS NEEDED

PAGE

OF

200.030.53	RAW	Ser Ministrative		NTATION I	BASIN EFFL		Manual Control	ESULTS (N			L FILTER EI			manuf (	CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUN
	5.50		0.29	0.19						0.06	0.07	0.10	0.06		0.05
2	4.62		0.23	0.19						0.05	0.07	0.09	0.06	15.57	0.05
3	4.05		0.28	0.20						0.05	0.07	0,10	0.07	14 V	0.09
A	3.72		0.19	0.18					×	0.05	0.06	0.08	0.06		0.04
é	3.46		0.27	0.19						0.06	0.07	0.11	0.06	4	0.06
8	3.26	10-11-11	0.23	0.23						0.05	0.06	0.10	0.06		0.06
	3.44		0.18	0.14						0.04	0.06	0.08	0.06	7.35	0.05
В	5.25		0.25	0.23		-				0.04	0.06	0.07	0.06		0.05
g	6.69		0.24	0.19				10,7		0.05	0.07	0.08	0.06	3,17.5	0.06
10	7.71	ME I	0,22	0.17			-			0.05	0.06	0.08	0.06	200	0.06
11	7.44	1200	0.19	0.18						0.05	0.06	0:09	0.07		0.05
12	7.85		0.21	0.20						0.05	0.06	0.08	0.06		0.06
1(3)	7.98		0.24	0.26		12.1				0.06	0.07	0.10	0.07	. 31	0.06
114	7.96		0.18	0.16						0.05	0.06	0.09	0.06		0.06
16	8.87		0.16	0.15						0.05	0.06	0:09	0.07	16	0.06
16	8.61		0.17	0.16						0.05	0.06	0.07	0.06	1,4-	0.05
17	7.88	11-44	0.19	0.19						0.05	0.07	0.08	0.05	7.72.1 T	0.05
16	7.88	Toyle	0.17	0.18					×	0.05	0.06	0.07	0.05		0.05
19	7.85	br. 7	0.17	0.19						0.05	0.06	0.09	0.07		0.06
20	8.01		0.18	0.17				-		0.05	0.06	0.07	0.06	YOU.	0.05
21:	7.85		0.17	0.16					1.85	0.06	0.07	0.08	0.05		0.05
2 <b>1</b> 2	8.12		0.24	0.19						0.05	0.06	0.08	0.05		0.06
23	13,40		0.28	0.24						0.05	0.06	0.10	0.07		0.07
24	13.90		0.24	0.20						0.05	0.06	0.10	0.06		0:06
25	15.30		0.23	0.19						0.07	0.07	0.10	0.06		0.07
26	17.40		0.22	0.20						0.05	0.07	0.10	0.06		0.06
27,	17.00		0.20	0.18						0.05	0.06	0.16	0.06		0.07
78	19.80		0.20	0.16						0.05	0.06	0.08	0.05		0.06
29	19.80	MAG	0.21	0.17						0.05	0.07	0.08	0.06	in the	0.06
30	18.70		0.19	0.17						0.05	0.06	0.08	0.05		0.06
31	18.50	M. Servin	0.18	0.14						0.04	0.06	0.09	0.06		0.06
AVERAG		#DIV/01	0.2	0	#DIV/01	#DIV/0!	#DIV/01	#DIV/01	#DIV/01	0.05	0.06	0.09	0.06	#DIV/0!	0.06

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

31

Number of readings
For Free Chlorine, # less
than 0.2 mg/L
For Chloramines, # less
than 0.5 mg/L

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

12/2013

OF

"Please	answer	Y/N	question	pelow	this	chart.

	FLUC			ON		NGANESE	ISSS OTHERW	1,000	Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.30	0.94	0.05	0.03	0.07	0.02	11/2		1.75	0.0	8.2
2	0.33	0.94	0.15	0.03	0.09	0.03			1.80	0.0	10.4
3	0.45	1.05	0.11	0.03	0.06	0.02			1.70	0.0	9.5
4	0.49	1.00	0.03	0.03	0.07	0:03			1.80	0.0	8.8
5	0.44	0.83	0.05	0.03	0.04	0.02			1.85	0.0	8.3
6	0.35	0.99	0.12	0.03	0.06	0.03			1.80	2.2	9.8
7	0.32	0.88	0.11	0.03	0.09	0.03			1.75	1.6	9.4
8	0.35	1.02	0.10	0.03	0.11	0.02			1.75	0.5	8.6
9	0.33	1.01	0.23	0.03	0.11	0.02			1.65	0.5	10.1
10	0.34	0.84	0.25	0.03	0.09	0.01			1.85	0.2	10.4
11	0.37	0.89	0.10	0.03	0.09	0.02			1.80	0.0	8.9
12,,,	0.24	0.95	0.18	0.03	0.09	0.02			1.80	0.0	8.3
13	0.31	0.98	0.24	0.03	0.09	0:02			1.75	0.0	9.1
14	0.33	1.02	0.27	0.03	0.10	0.02			1.85	0.0	8.6
15	0.27	0.95	0.25	0.03	0.10	0.01			1.85	0.2	9.9
16	0.27	0.99	0.28	0.03	0.11	0.02			1.80	0.0	9.6
17	0.26	1.05	0.23	0.03	0.15	0.03			1.70	0.0	9.3
-18	0.25	0.96	0.15	0.03	0.11	0.01			1.80	0.2	8.4
19	0.19	0.90	0.20	0.03	0.09	0.03			1.80	0.0	9.1
20	0.29	1.24	0.25	0.03	0:11	0.04			1.85	0.0	10.7
24	0.32	1.19	0.15	0.03	0.09	0.01			1.80	0.0	10.1
22	0.31	1.17	0.28	0.06	0.07	0:03			1.73	1.0	10.3
2/3	0.06	0.92	0.46	0.03	0.11	0.01:			1.60	0.3	9.6
24	0.19	0.97	0.40	0.03	0.09	0.01	Λ.	8	1.75	0,0	10.0
26	0.18	0.96	0.25	0.03	0.12	0.01			1.85	0.0	9.1
26	0.23	1.03	0.24	0.03	0.12	0.01			1.85	0.0	8.3
27	0.20	1.10	0.49	0.03	0.11	0.01			1.75	0.0	9.0
28	0.05	1.08	0.29	0.03	0.12	0.01			1.90	0.0	7.9
29	0.12	1.01	0.55	0.03	0.07	0.01			1.75	0.7	9.0
3(6)	0.07	1.02	0.51	0.03	0.11	0.02			1.80	0.3	7.6
31	0.08	1.02	0.52	0.03	0.11	0.01			1.75	0.0	8.6
VERAGE	0.27	1.00	0.24	0.03	0.09	0.02	#DIV/01	#DIV/0!	Monthly Mullmum.	Rainfall	9.2
200									1.60		A

N. T

## APPLICABLE TO ALL PLANTS WITH FICTRATION

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 12/2013

#DIV/01

94.588

13,375

94.513

14,125

#DIV/01

OF 11 PAGE No: No: No: TOTAL No: 3 No: 4 5 AREA (square feet) AREA (square feet) AREA (equare feet)
WASHWATER 160 WASH WATER AREA (square feet) 160 AREA (square feet) 180 FILT RUN FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER WASHWATER FILT RUN GALLONS HRS GALLONS HRB GALLONS HRS HRS GALLONS **GALLONS** GALLONS DAY HR8 89.50 12,000 89.40 12,000 24,000 2 0 94.60 12,000 12,000 94.60 24,000 0 14000.00 99 28,000 14,000 99 0 8 15,000 95.20 95.10 15,000 30,000 0 8 90.00 13,000 90.00 9 26,000 13,000 0 97.50 14,000 97.50 28,000 14,000 11 0 27,000 14,000 94.90 13,000 94.90 0 14 15,000 91.00 17,000 90.80 32,000 0 95.20 95.20 12,000 17 24,000 12,000 0 18 94.90 12,000 94.90 12,000 19 24,000 91.20 91.20 12,000 23,000 11,000 0 0 93.80 15,000 15,000 93.60 30,000 0 24 99.10 15,000 99.10 30,000 15,000 0 26 12,000 95.00 15,000 94.90 27,000 27 0 28 26,000 14,000 93.70 12,000 93.70 29 0 12,000 94,70 13,000 94.70 25,000 31 756.70 0 0.00 107,000 103,000 752.40 113,000 756.10 428,000 105,000 752.50 TOTAL

12,875 94. COPY AS NEEDED

94.050

13,806

13,125

94.063

ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 12/2013

PAGE 7 OF 11

-		MICALS ADDED					TEST RE		tonimi.	7 100	7
	CHLORINE	BOOSTER		NO	RTH	TOTAL		HLORINE RESIDUAL EAS		WE	9T
	LBB	LB8		T	E	T	E	T	F	Ţ	F
	7 102 02 11 110			1.57	1.48	1,59	1.50	0.97	0.90	1.52	1.44
				1.49	1.32	1,23	1,18	1.59	1.55	1.11	1.02
				1.38	1.30	1.37	1.34	1.04	1.01	1.01	0.90
				1.37	1,29	1.20	1,12	1.52	1.45	0.97	0.87
35				1.43	1.29	1.37	1.33	1.63	1.57	1,30	1.25
		2 12		1.58	1.52	0.85	0.77	1.31	1.24	0.93	0.90
				1.18	1,11	0.98	0.92	1.08	0,99	1,46	1.42
	E ASION A	11 2		1.22	1.15	0.65	0.46	1,33	1,26	1.50	1:44
		V. Link		1.56	1.48	1,83	1.77	1.53	1,45	1.19	1.15
				1.50	1.44	1.24	1.20	1.51	1,35	0.53	0.45
	New I			1,28	1.15	1,16	1.08	1.60	1,58	0.99	0.91
				1.34	1.27	1:27	1.20	1.24	1.17	1.50	1.43
				1.34	1,32	1:35	1.29	1.43	1.37	1.52	1.48
				1.46	1.45	1.20	1.14	1.63	1.55	1.18	1.11
	0 1			1.54	1.47	1.57	1.52	1,11	1.06	1.09	1.06
	ZA BUDGA	E		0.86	0.73	1.02	0.98	1.28	1.18	1.38	1.35
				1.26	1.18	0.94	0.86	1.59	1.53	1,04	0.96
	101 July 301	- 1.0		1,42	1,30	1.27	1,20	1.69	1.65	1.62	1.60
	2011 1205-113			1.33	1.27	1.07	1,01	1.47	1,45	1.20	1.13
		1.3.4		1.57	1.51	1.17	1.13	1.72	1.67	1.19	1.14
		200		1.29	1.21	1,31	1.23	1.47	1.38	1.60	1.50
				0.94	0.85	1.24	1.17	1.47	1.41	1.65	1,58
		N= . 1 3		1.14	1.07	1.73	1.68	1.75	1.73	1.73	1.69
				1.43	1.38	1.52	1.47	0.40	0.32	1.27	1.17
			200	1.47	1.42	0.90	0.84	1.35	1.28	0.88	0.80
		10 Mars - 3		1.50	1.42	1.49	1.44	1.53	1.44	1.39	1.33
				1.49	1.39	1.12	1.09	1.72	1.69	1.62	1.5
			144	1.67	1.60	1.65	1.59	0.67	0.59	1.23	1,1
				1.18	1.09	1.72	1.67	0.57	0.49	0.27	0.2
	Arville I	0.0		1,69	1.62	1.56	1.49	1.34	1.31	1:44	1.3
				1.44	1.39	1.09	1.03	1.17	1.11	1,36	1.3
3E	#DIV/0I	0.0	Average	1.38	1.31	1.28	1.22	1.35	1.28	1.25	1,1
	0.0	0.0	Total Minimum	0.86		0.55		0.40	in	0.27	
- 21321			Free Minimum		0.73		0.46		0.32		0.23

Total # Loss than 0.5 mg/L

Disinfectant Chloraminus? (Y/N)
Number of days of operation?

N 31

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						WS ID:	KY0800	273	-
Т	URBIDITY F			Magazina di ang	P P	LANT ID:	A		-
PWS Na		TREE SEED AND ALKOHOLD HOUSE	ANTS WITH FIL County Water I	DATE OF THE PARTY	Report Period (N	IM/YYYY):	12/20	13	PAGE: 8 OF <u>11</u>
DAY		a or Turbinaly C Samples Required	CONTRACTOR OF THE PARTY OF THE PARTY.	4 am - 8 am	Sam Noon	Noon - 4 pm	4 ppr - 8 pm - m	Sipm - Mid	Dally: 35 Maximum
5000	23.5	6	0.04	0.05	0.05	0.05	0.05	0.05	0.049
	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.047
	23.5	6	0.09	0.05	0.04	0.04	0.05	0.04	0.090
4	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
5	23.0	6	0.05	0.05	0.06	0.05	0.06	0.06	0.064
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
8	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
	23.5	6	0.05	0.06	0.06	0.05	0.05	0.05	0.056
- 10.	24.0	6	0.05	0.06	0.05	0.05	0.05	0.06	0.060
in in	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
12	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.060
15	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
14	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.057
15	24.0	6	0.06	0.06	0.05	0.05	0.07	0.05	0.068
16	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
17	23.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
18	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
19.	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.057
20	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
21.5	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
42	23.0	6	0.05	0.05	0.05	0.05	0.06	0.06	0.060
25.	23.5	6	0.06	0.07	0.06	0.06	0.06	0.06	0.065
2.4	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.059
26	24.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.066
26	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
27	24.0	6	0.07	0.06	0.06	0.05	0.06	0.06	0.070
28	24.0	6	0.06	0.05	0.05	0.05	0.05	0.06	0.060
29	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.060
30.	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.060
31	23.5	6	0.05	0.06	0.05	0.05	0.05	0.05	0.057
Total	738.0	186			TOTA	L # OF TURBIDITY	SAMPLES TAKEN	186	0.090
ARE YO		ER CONVENTION	NAL or DIRECT FIL	TRATION? (Y/N	I) Y				
	er of samples e		0.1 NTU	00	0.3 NTU _	0	1 NTU_	0	_
F	or slow sand fil	tration, the num	ber of samples ex	ceeding>	1 NTU		_ 5 NTU_		_
*NOTE:		of Turbidity Sam			ours the plant opera	ted divided by	rounded		
I certif	y that the abov	re turbidity read	ings were taken		during plant operat	ion and in the	time frames noted 0/- 07-26 Dat	217	

WS Name:	Mai	rtin County Water Dist	trict		
WS ID:	KY080	00273		×.	
LANT ID: eport Period (MM/YYYY		12/2	013		25 =
any filter exceed also listed on the ne appropriate re	Summary Sheet	e individual filter (	ollowing and subm	pelow, nit	PAGE 9 OF
Date	Filter Number 12	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if Known)	Date and Time State way Contacts
HAREN !					
				110.00	
				- 100	
					-
		429 -	- 1- 1- 10 to 1		CONTRACTOR IN
					1 3. 14 2.
				III THINKE STATE OF	1 4
				THE TOTAL STREET	The second second

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

evceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID K	Y0800273		MONITORING PERIOD (MMYYYY) 12/201	3
- Alberta	NOTE: COMP	LETE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS AF	RE PRE
		PLANTINE	DRMATION	
	APF		O ALL PLANTS	
PLANTID A			TAL WATER TREATED (gallons) 59,649,000	
PLANT NAME	Martin County Water District		DAILY PRODUCTION (gallons) 1,924,161	
AGENCY INTEREST	2987	MA	KIMUM PUMPAGE (gallons per day) 1,976,000	
	APRI ICARI E	TO ALL PL	ANTS WITH FILTRATION	
	10 do 10	TO ALL FL	ANTO WITH THE MOSTION	
ANALYTE CODE _	0100			
· ·	ored continuously? (Y/N)			E
	recorded every 15 minutes? (Y/N)	2 (V/N)		Ē
/yas there a failure of	the continuous monitoring equipment	moles collec	ted every four hours of operation? (Y/N)	Tate F
(2) were in	e continuously monitoring equipment	renaired with	n 5 working days? (Y/N)	j
	vel greater than 1.0 NTU in two conse			80.0
Was individual filter le	vel greater than 0.5 NTU in two consc	ecutive meas	urements after on line for more than four hours? (Y/N)	N TR
Mas individual filter le	wel greater than 1.0 NTU in two conse	ecutive meas	urements in three consecutive months? (Y/N)	-110
Was individual filter le	wel greater than 2.0 NTU in two conse	ocutive meas	urements in two consecutive months? (Y/N)	
If any of the last 4 ha	oxes are YES, fill out the Individual	Filter Turbi	dity Sheet and submit with the MOR	
it dily of the had the				
THE RESERVE TO SERVE THE PARTY OF THE PARTY	SOME THE PERSON AND T			ATION
COMBINE			ENTRY POINT RESIDUAL DISINFECTANT CONCENTR APPLICABLE TO ALL PLANTS	ATION
GOMBINI APPLICABLE	E TO ALL PLANTS WITH FILTRATION		APPLICABLE TO ALL PLANTS	ATION
GOMBINI APPLICABLE ANALYTE CODE	E TO ALL PLANTS WITH FILTRATION 0100	ON	ANALYTE CODE 0999	
APPLICABLE ANALYTE CODE Number of hours of pl	E TO ALL PLANTS WITH FILTRATION  0100  ant operation	738.0	ANALYTE CODE 0999  Number of days of plant operation	
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of	E TO ALL PLANTS WITH FILTRATION O100 ant operation every 4 hours of plant operation? (Y/I	738.0 V)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)	
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken	E TO ALL PLANTS WITH FILTRATION  onto operation every 4 hours of plant operation? (Y/Naken	738.0 N) Y	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded	
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidity	E TO ALL PLANTS WITH FILTRATION  10100  Iant operation every 4 hours of plant operation? (Y/Naken by reading	738.0 V)	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading	
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidity For all filtration except	0100 lant operation every 4 hours of plant operation? (Y/I sken y reading t slow sand filtration:	738.0 N) Y 186 0.09	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:	1.
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidit For all filtration except Number of sample	every 4 hours of plant operation? (Y/I sken y reading t slow sand filtration: exceeded 0.1 NTU	738.0 N) Y 186 0.09	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant operation? (Y/N)	-
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidit For all filtration except Number of sample Number of sample	every 4 hours of plant operation? (Y/I aken y reading t slow sand filtration: as exceeded 0.1 NTU as exceeded 0.3 NTU	738.0 N) Y 186 0.09	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant operation? (Y/N)  Free Chlorine (tor all disintectants except chloromine):	1
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidit For all filtration except Number of sample Number of sample Number of sample	every 4 hours of plant operation? (Y/I aken by reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU se exceeded 1 NTU	738.0 N) Y 186 0.09	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant operation? (Y/N)  Pree Chlorine (tor all disintectants except chloromine):  Number of samples under 0.2 mg/L	-
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples ta Highest single turbidit For all filtration except Number of sample Number of sample Number of sample When filtration is slow	every 4 hours of plant operation? (Y/I aken y reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU y sand filtration:	738.0 N) Y 186 0.09	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant operation? (Y/N)  Free Chlorine (tor all disintectants except chloromine):	-
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidit For all filtration except Number of sample Number of sample Number of sample When filtration is slow Number of sample	every 4 hours of plant operation? (Y/I aken by reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU se exceeded 1 NTU	738.0 N) Y 186 0.09	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant operation? (Y/N)  Pree Chlorine (tor all disinfectants except chloromine):  Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chloramine):	-
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidity For all filtration except Number of sample Number of sample Number of sample When filtration is slow Number of sample Number of sample	every 4 hours of plant operation? (Y/Instead of the second	738.0 N) Y 186 0.09 0	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation? (Y/N)  Number of lowest chlorine samples recorded  Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant operation? (Y/N)  Free Chlorine (tor all disintectants except chloromine):  Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chloramine):  Number of samples under 0.5 mg/L	
APPLICABLE ANALYTE CODE Number of hours of pl Were samples taken of Number of samples taken of Highest single turbidity For all filtration except Number of sample Number of sample Number of sample When filtration is slow Number of sample Number of sample	every 4 hours of plant operation? (Y/I aken y reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU y sand filtration: se exceeded 1 NTU y sand filtration: se exceeded 1 NTU y sand filtration: se exceeded 1 NTU se exceeded 5 NTU	738.0 N) Y 186 0.09 0	ANALYTE CODE	
APPLICABLE  ANALYTE CODE  Number of hours of pl  Were samples taken of  Number of samples ta  Highest single turbidity  For all filtration except  Number of sample  Number of sample  Number of sample  Number of sample  When filtration is slow  Number of sample  Number of sample  APPLICABLE TO  ANALYTE CODE	every 4 hours of plant operation? (Y/Naken by reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU by sexceeded 1 NTU by sexceeded 1 NTU by sexceeded 5 NTU considerable of the sexceeded 5 NTU c	738.0 N) Y 186 0.09 0 0	ANALYTE CODE	1. 1. DXIDE
APPLICABLE  ANALYTE CODE  Number of hours of pl  Were samples taken of  Number of samples ta  Highest single turbidity  For all filtration except  Number of sample  Number of sample  Number of sample  When filtration is slow  Number of sample  Number of sample  ANALYTE CODE  Number of days of pla	every 4 hours of plant operation? (Y/I aken y reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU y sand filtration: se exceeded 1 NTU y sand filtration: se exceeded 5 NTU DIOXIDE ENTRY POINT MONITORIA D PLANTS UTILIZING CHLORINE DI 1008 ant operation	738.0 N) Y 186 0.09 0 0 OXIDE	ANALYTE CODE	1.
APPLICABLE  ANALYTE CODE  Number of hours of pl  Were samples taken of  Number of samples taken of  Highest single turbidity  For all filtration except  Number of sample  Number of sample  Number of sample  When filtration is slow  Number of sample  Number of sample  ANALYTE CODE  Number of days of pla  Were samples taken	every 4 hours of plant operation? (Y/Naken y reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU y sand filtration: se exceeded 1 NTU y sand filtration: se exceeded 5 NTU DIEXIDE ENTRY POINT MONITORIA D PLANTS UTILIZING CHLORINE DI 1008 ant operation each day of operation? (Y/N)	738.0 N) Y 186 0.09 0 0 0 OXIDE	ANALYTE CODE	1. 1.
APPLICABLE  ANALYTE CODE  Number of hours of pl  Were samples taken of  Number of samples ta  Highest single turbidity  For all filtration except  Number of sample  Number of sample  Number of sample  When filtration is slow  Number of sample  Number of sample  ANALYTE CODE  Number of days of pla  Were samples taken  Number of samples taken	every 4 hours of plant operation? (Y/Naken y reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU y sand filtration: se exceeded 1 NTU y sand filtration: se exceeded 5 NTU DIEXIDE ENTRY POINT MONITORIA D PLANTS UTILIZING CHLORINE DI 1008 ant operation each day of operation? (Y/N) aken	738.0 N) Y 186 0.09 0 0 0 OXIDE	ANALYTE CODE	1. 1.
APPLICABLE  ANALYTE CODE  Number of hours of pl  Were samples taken of  Number of samples ta  Highest single turbidity  For all filtration except  Number of sample  Number of sample  Number of sample  When filtration is slow  Number of sample  Number of sample  CHLORINE  APPLICABLE TO  ANALYTE CODE  Number of days of pla  Were samples taken  Number of samples taken	every 4 hours of plant operation? (Y/Naken y reading t slow sand filtration: se exceeded 0.1 NTU se exceeded 1 NTU y sand filtration: se exceeded 1 NTU y sand filtration: se exceeded 5 NTU DIEXIDE ENTRY POINT MONITORIA D PLANTS UTILIZING CHLORINE DI 1008 ant operation each day of operation? (Y/N) aken	738.0 N) Y 186 0.09 0 0 0 OXIDE	ANALYTE CODE	1.0 1.0

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry or those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent Date

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

WS ID KY0800273		MONITORING PERIOD (MI	
2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT ALL POPULATED FOR YOU!!!	OF THE FIELDS ARE PE
PURCHA	SHD.	SOLD	
FUNGLE	APPLICABLE TO AL		
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0	35,54	7- (8) EX
KY0980575	0	- 11	
	<del>liables on the second of the </del>		
			27-2/2019/00/20
ar evaluation			
	DISTRIBUTION RESIDUAL DIS	NECTANT CONCENTRATION	
ALYTE CODE 0999	AFF LIOABLE TO AL	the street of the street	
umber of days of operation	31	Free Chlorine (for all disinfectants exc	ept chloramine)
ere samples taken each day of ope		Number of samples under 0.2 mg/	
imber of samples taken:		Total Chlorine (when disinfectant is ch	nloramine)
COLC	124	Number of samples under 0.5 mg/	L
TOTAL	124		4
west single FREE chlorine reading			
owest single TOTAL chlorine reading			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Principal Executive Officer or Authorized Agent 01-07-2014

Date

PWS ID:	KY0800273	
PLANT ID:	Α	
AGENCY INTEREST:	2987	
and the same of th	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	8

TOTAL POPULATION SERVED IN CONSECUTIVE

# **ANNUAL WATER SYSTEM DATA**

## APPLICABLE TO ALL WATER SYSTEMS

## TO BE SUBMITTED WITH DECEMBER MOR

SYSTEM POPULATION:

NUMBER OF METERS:

3310

264

RESIDENTIAL:

COMMERCIAL:

PWSID# # OF	METERS PWSID#	# OF METERS	
ONTACT INFORMAT	ION:		
	WATER SYSTEM MANAGER/SUPERINT.	PLANT A	PLANT B
NAME	John Mills	Earl T Alley	
TITLE	General Manager	Plant Manager	The Manager
OFFICE PHONE	606-298-3885	606-298-7439 ext 5	- H - 1755 W
CELL PHONE	606-626-7741		
TER-HOURS PHONE	606-626-7741	606-395-5613	
MAILING ADDRESS	387 E Main St, Suite 140	14 Flat Hollow	
State of the second	Inez,KY 41224	Inez, KY 41224	
EMAIL ADDRESS	jmills@bellsouth.net	etalley47@bellsouth.net	
NAME	PLANT C	DISTRIBUTION	MOR CONTACT Earl T Alley
TITLE			Plant Manager
OFFICE PHONE			606-298-7439 ext
CELL PHONE			
TER-HOURS PHONE			606-395-5613
			14 Flat Hollow
MAILING ADDRESS			14 LIGUTOROW
MAILING ADDRESS	weekper and the second		Inez, KY 41224

b/27/13

# Standard Monitoring Report

for

Initial Distribution System Evaluation (IDSE)

Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR)



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#### Instructions / Addresses

A copy of this report is to be sent to U.S. EPA and the Kentucky Division of Water at the addresses listed below. All analysis results for Stage 1 and the IDSE should be entered as mg/L which is the same as ppm. Some laboratories have reported the IDSE results to water systems in ug/L which is the same as ppb. The Record Keeping Package available on the Kentucky Rural Water Association website (www.krwa.org.) has a spreadsheet entitled "IDSE Report to DOW" that converts values from the "IDSE" page to the appropriate values to use in this report.

An example of a completed IDSE Report form is available for download (PDF)

Kentucky Rural Water Association

DIO SIMIL WAY

U.S. EPA Stage 2 DBP - IPMC P.O. Box 98 Dayton, OH 45401

insert submittal date on page 1

or by e-mail to:

stage2mdbp@epa.gov

Kentucky needs copies of all the reports, regardless of the Schedule

send copies to:

Division of Water Drinking Water Compliance and Technical Assistance Section 200 Fair Oaks Lane 4th Floor Frankfort, KY 40601

An example of a completed IDSE Report form is available for download (PDF)

Kentucky Rural Water Association

www.inva.org

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Teledam Virdinas "

IDSE Report for	Standard Monitor	Ing Page	1 of 10
. GENERAL INFORMATION	1		
A. PWS Information*  PWSID: KY0800	<b>1273</b>	B. Date Submitted*	
PWS Name: Martin PWS Address: HC69 B City: Inez	County Water District ox 875	State: KY Zip: 41224	
Population Ser	ved: 11,748		
System Type: (X)  X CWS  NTNCWS	Source Water Type: (X)  X Surface/GUDI (subpart H)  Ground	Buying / Selling Relationships: (X)  X Consecutive System  Wholesale System  Neither	
C. PWS Operations Residual Disinfectant Ty X. Chlorine Number of Disinfected S 2. Surface	Chloramines	Other: Ground 1 Purchase	d
Title: Utility Phone # (606) 2	mmond Manager 98-7439 Fax# and58@bellsouth.net	(606) 298-7439	
II. STAGE 2 REQUIREMEN  A. Number of Compliance  Monitoring Sites	CONCRETE MANAGEMENT OF THE PROPERTY OF THE PRO	C. Compliance Monitoring Frequence	y .
1 Existing Stage 1 2 Highest TTHM 1 Highest HAA5 4 Total	Schedule 1 Schedule 2 X Schedule 3 Schedule 4	During peak historical month (1 monitoring period)  X Every 90 days (4 monitoring pe	rlods)

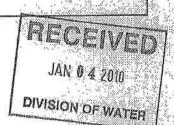
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Monitoring	Page 2 of 10	
approved standard	Yes X No	
ges if necessary):		
rje Mengji 12482 (Miljar) 1		94 94
		4
the many and		
	1.000	
mples analyzed?		
certified?Ye	s No	27.0
		ZG:
Appalcian States Analytic	pal la	ry S
your TTHM and HAA5 sam	ples?	
HAA5		
EPA 552.1		
Y FPA 552.2		
EPA 552.3		
SM 6251 B		
		Č.
	your TTHM and HAA5 sam  HAA5  EPA 552.1  X EPA 552.2  EPA 552.3	approved standard Yes X No ges if necessary):  mples analyzed?  certified? Yes No  Appaician States Analytical  your TTHM and HAA5 samples?  HAA5  EPA 552.1  X EPA 552.2  EPA 552.3



## IDSE Report for Standard Monitoring HL MONITORING RESULTS (Continued)*

			STATE AND ADDRESS.
2	IDCC Disaderal Manifestor Desister TTUM	KY08002	73
ĮU,	IDSE Standard Monitoring Results - TTHM	医二元 医自己多类的 人名西班牙斯 医皮肤皮肤的 经实际证券 化二氯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	7997

Sitie ID1	Data Type			TTHM (	mg/L)			LRAA
SM1	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
	Sample Result	0.081	0.048	0,033	0.037	0.060	0.097	0.069
SM2	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
all o a de o o	Sample Result	0.075	0.051	0.033	0.034	0.087	0.099	0,058
SM3	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
	Sample Result	0,080	0.058	0.034	0.035	0.063	0.093	0,060
SM4	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2000	8/13/2009	
	Sample Result	0.047	0.072	0.039	0.043	0.078	0.117	0.066
SM5	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	8/11/2009	8/13/2009	
1199 J. S.	Sample Result	0.123	0.088	0,035	0.045	0.099	0.138	0.088
SM6	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
7775	Sample Result	0.116	0.085	0.026	0.049	0.087	0,123	0.081
SM7	Sample Date	10/8/2008	12/11/2008	±2/48/2009	4/15/2009	6/11/2009	8/13/2009	
	Sample Result	0.145	0,094	0.044	0.056	0.099	0.137	0.096
SM8	Sample Date	10/8/2008	42/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
	Sample Result	0.148	0.099	0.060	0.060	0.112	0.117	0:098

Verify that site IDs for IDSE standard monitoring sites match the site IDs in your Standard Monitoring Plan.

Attach additional sheets as needed for IDSE standard monitoring results.

## IDSE Report for Standard Monitoring

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III. MONITORING RESULTS (Continued)*

E. IDSE Standard Monitoring Results - HAA5

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Site ID1	Data Type	1, 1,70E 1976	(1.11m.). (1.7m	HAA6 (I	ng/L)	eri – promi časti Listos veda če	1.01	LRAA
SM1	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/14/2009	8/13/2009	J
3 74938 300	Sample Result	0.042	0.022	0.056	0.050	0.073	0.104	0.058
SM2	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
9	Sample Result	0.044	0.020	0.063	0.049	0.071	0,100	0,058
SM3	Sample Date	10/8/2009	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	n Homenday
E 201 2	Sample Result	0.043	0.020	0.070	0.048	0.072	0.119	0.062
- SM4	Sample Date	10/8/2008	12/11/200B	2/18/2009	4/15/2009	6/11/2009	8/13/2009	9
	Sample Result	0.051	0.029	0.070	0.067	0.085	0,154	0,076
SM5	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	0/11/2009	8/13/2009	
	Sample Result	0.085	0.036	0.042	0.055	0.113	0.048	0,060
SM6	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	· · · · · · · · · · · · ·
	Sample Result	0.086	0,033	0.037	0.066	0.110	0.121	0.07
SM7	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
	Sample Result	0.091	0.037	0.035	0.062	0.127	0.162	0.080
SM8	Sample Date	10/8/2008	12/11/2008	2/18/2009	4/15/2009	6/11/2009	8/13/2009	
	Sample Result	0.040	0,042	0.115	0.065	0.127	0,162	0,092

Verify that site IDs for IDSE standard monitoring sites match the site IDs in your Standard Monitoring Plan.

Attach additional sheets as needed for IDSE standard monitoring results.

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IONITORING RESULT	2 (Continued)*	To the series	uralantiri.	1512711066			A1147121111111	51,417,9144.5	
The state of the s	nce Monitoring Results -	TTUM				Ala Livika		Y0800273	
orda ( pp. v. combra	res mortuoring resours.	11. 12. 20. 20. 22. 12.	************	77087371288			11.10 July 10.20		
Site ID1	Data Type			TTHM (r	ng/L)			LRAA	
008	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009				
356	Sample Result	0.064	0.073	0.049	0.096		10.27	0.071	
085	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2000				
1	Sample Result	0.068	0.040	0.045	0.104		15.1.5	0.064	1
102	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009				
	Sample Result	0.067	0,039	0.052	0.105			0.066	
088 ·	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009				
* * *	Sample Result	0.061	0.043	0.047	0.096			0,062	
4-1 c	Sample Date		nu.		1				
3.55 U	Sample Result	1 41354 7 634	484411411	7 11 15				#DIV/00	
	Sample Date								
	Sample Result		300	SEC. 12.13	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Manda A	#DIV/01	ļ
	Sample Date					10000			
	Sample Result		$A_{i,j} = \frac{1}{2} A_{i,j} A_{i,j}$		11	11,413.50	5711	#DIV/01	1
	Sample Date								4
· · · · ·	Sample Result				3			#DIV/01 '	

Attach additional sheets as needed for IDSE standard monitoring results.

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## IDSE Report for Standard Monitoring

arie B of 10

III. MONITORING RESULTS (Continued)

G. Stage 1 DBPR Compliance Monitoring Results - HAA5

Y0800

Site ID1	Data Type		11.700	HAA5 (	mg/L)			LRAA
008	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009			1.3 A
2.01.47	Sample Result	0.033	0.073	0.074	0.096			0.069
085	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009	0.		
	Sample Result	0.033	0.040	0.074	0.104	Fig. 3		0.063
102	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009			
	Sample Result	0.030	0.039	0.070	0.105	41.97.34		0.061
088	Sample Date	11/24/2008	1/26/2009	4/27/2009	7/27/2009			
11 E52	Sample Result	0.030	0.043	0.075	0.096	ia in the	7.4	0,081
	Sample Date				7.50			
53 (97) 10	Sample Result	4 - 1111 - 111			, (, i		1.	#DIV/00
2 81	Sample Date		100					
	Sample Result		441.111111	7 12 Y 126 1				#DIV/01
(	Sample Data			0.00				
	Sample Result			1,			. :::/*	#D(V/01
9.7	Sample Date			Constant				
5	Sample Result							#DIV/01

Verify that site IDs for IDSE standard monitoring sites match the site IDs in your Standard Monitoring Plan.

Attach additional sheets as needed for IDSE standard monitoring results.

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JA: 04.2010

# IDSE Report for Standard Monitoring

Page 7 of 10

IV. JUSTIFICATION OF STAGE 2 DBPR COMPLIANCE MONITORING SITES*

KY0800273

Stage 2 Compliance Monitoring Site ID	Site Type	Justification
SM8	X Highest TTHM Highest HAA5 Stage 1 DBPR	four tanks. High residence time with low cutomer base
SM5	X Highest TTHM Highest HAA5 Stage 1 DBPF	2nd highest TTHM LRAA @ ( 0.088 ) In south western portion of system influenced by three tanks and two pumping stations
SM7	Highest TTHN  X Highest HAA5  Stage 1 DBPF	Highest HAA5 LRAA ( 086) of all sites other than the two listed above. Is influenced by drain fill cycles of two storage tanks and one pumping station
800	Highest TTHM Highest HAA5 X Stage 1 DBPF	system influenced by two storage tanks.
	Highest TTHM Highest HAA5 Stage 1 DBPF	
	Highest TTHM Highest HAA5 Stage 1 DBPF	14.00 Miles
	Highest TTHM Highest HAA5 Stage 1 DBPF	
	Highest TTHM Highest HAA5 Stage 1 DBPF	<b>1</b>
	Highest TTHM Highest HAAS Stage 1 DBPF	1

Attach additional copies of this sheet if you need more room.

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DIVISION OF WATER

ID	SE Report for Star	dard Monitoring	Page 8 of 10
v.	PEAK HISTORICAL MONTH A MONITORING SCHEDULE	ND STAGE 2 DBPR COMPLIANCE	
<b>A.</b>	Peak Historical Month*	August	КҮ
В.	Is Your Peak Historical Mont Monitoring Plan?	h the Same as in Your IDSE Standard	ŧ
	No		
	If no, explain how you select additional sheets if needed)	ted your new peak historical month (at	tach
		9	
	(i)		

## C. Proposed Stage 2 DBPR Compliance Monitoring Schedule*

Stage 2 Compliance	Projected Sampling Date (date or week) ¹							
Monitoring Site ID	period 1	period 2	period 3	period 4				
SM8	4th week Nov 2013	4th week Feb 2014	4th week May 2014	4th week August 2014				
SM7	4th week Nov 2013	4th week Feb 2014	4th week May 2014	4th week August 2014				
SM4	4th week Nov 2013	4th week Feb 2014	4th week May 2014	4th week August 2014				
008	4th week Nov 2013	4th week Feb 2014	4th week May 2014	4th week August 2014				

¹period = monitoring period. Complete for the number of monitoring periods from Section II.C.

Attach additional copies of this sheet if you need more room.

## **IDSE Report for Standard Monitoring**

Page 9 of 10

VI. DISTRIBUTION SYSTEM SCHEMATIC*

ATTACH a schematic of your distribution system if it has changed since you submitted your Standard Monitoring Plan.

#### VII. ATTACHMENTS

- Additional sheets for explaining how and why you deviated from your standard monitoring plan (Section III).
- Additional sheets for Standard Monitoring Results (Section III). REQUIRED if you are a surface/GUDI system serving more than 49,999 people or a ground water system serving more than 499,999 people.
- Additional sheets for Stage 2 DBPR Compliance Monitoring Sites (Section IV).
   REQUIRED if you are a surface/GUDI system serving more than 249,999 people.
- ~ Additional sheets for explaining how you selected the peak historical month (Section V).
- Additional sheets for proposed Stage 2 DBPR peak historical month and compliance monitoring schedule (Section V). REQUIRED if you are a surface/GUDI system serving more than 249,999 people.
- ~ Distribution system schematic* (Section VI). REQUIRED if it has changed from your approved IDSE standard monitoring plan.
- Compliance calculation procedures (for Stage 2 Compliance Monitoring Plan).

Total Number of Pages in Your Report: 12

Note: Fields with an asterisk (*) are required by the Stage 2 DBPR.

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DIVISION OF WATER

## Stage 2 - Compliance Determination

Page 10 of 10

KY0800273

**Martin County Water District** 

Joe Hammond (606) 298-7439 jhammond58@bellsouth.net

Stage 2 DBP Rule compliance is based on locational mining annual averages of approved monitoring sites, calculated quarterly. Accordingly, compliance with the Stage 2 DBP Rule will conform to 401 KAR 8:510, 40 CFR 141.620 (General Requirements), 141.621 (Routine Monitoring), 141.626 (Operational Evaluation Levels) and 141.629 (Reporting and Recordkeeping Requirements).

Signed:

Date:

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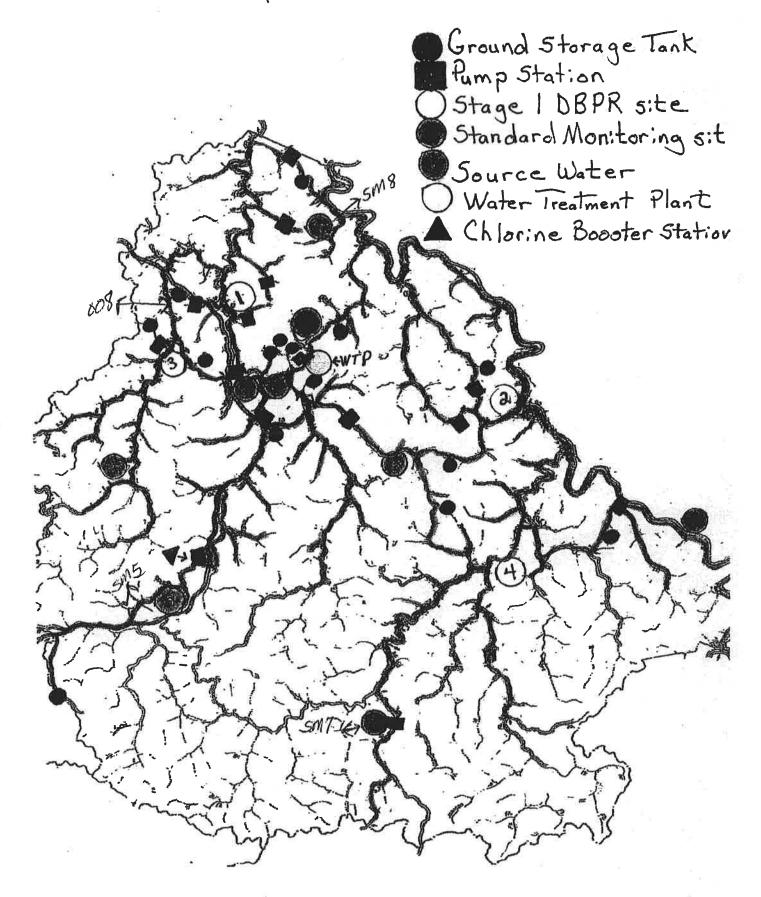
14. 0 4 2019

DIVISION OF WATER

# Specific Site Information Chemical, THM, HAA and TOC Monitoring Plan

*	PWSID: Name: Address: City/State/Zip: County:	Ky 0800273  Martin County Water Distr HC 69 Box 875  Inez, Ky , 41224  Martin County	vict	Co Sy Po	rvice nnections: 36 stem pulation rved: 10,	<u> </u>
		Revised:	OR New: _	2	_	
amplin ite No.	g	Sampling Site Location		,	Type of Facility	
Te Mo.	Name:	Calf Creek Church	Residential:		Medical:	
TAN C	Address:	Calf Creek Church 3520 Tug River Road	Commercial: School:		Public Bldg:	31
5M8	City:	Inez	Other(specify):	V	church	
	State/Zip:	Ky / 41224				
	Name:	Meathouse Pump Station	Residential:		Medical:	
-	Name:	hear house i ump standing	Commercial:			
5MY	Address:	about half mile below Pike Co. & Martin Co. Line.	School:		Public Bldg:	<u> </u>
-	City:	FINE CO. WINDS THE CONTROL	Other(specify):	<b>V</b>	Pump Station	
	State/Zip:	1		-		
			11000		Madical	
	Name:	Sand Lick Hydrant	Residential:		Medical:	
		Davella Road	Commercial:			
SM5	Address:		School:		Public Bldg:	L
ויייי	City:		Other(specify):	V	Hydrant	
	State/Zip:	V				
				-	Medical:	
	Name:	Wilderness Lane	Residential:		Medicai.	
	Address:	Highway 3 North Inez	Commercial:	-	Public Bldg:	
008	Audress.		School:	1.7	Hydrant	
	City:	Inez	other	V	HISTORY	
	State/Zip:	41224		<b>†</b>		
	in the second		Residential:		Medical:	
	Name:		Commercial:	_		
	Address:		School:		Public Bldg:	
	City:		Other(specify):	-		
	State/Zip:			-		
	Prej	pared By: Kyle W. Sammons Date: 7-24-13	Page		of _	

# Martin County Water District





#### ENERGY AND ENVIRONMENT CABINET

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters
Secretary

R. Bruce Scott Commissioner

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

Re: Stage 2/D/DBPR Site Sampling Plan

Dear Mr. Mills,

According to Division of Water (DOW) records, your facility has not submitted the Specific Site Information Form for Stage 2 Disinfectants and Disinfection Byproducts Rule (D/DBPR) sampling locations. Although your Initial Distribution System Evaluation (IDSE) Report has been approved, it did not contain specific information that DOW must have on file, in the State Drinking Water Inventory System (SDWIS), for each monitoring location.

You must submit the attached form before you begin Stage 2 D/DBPR compliance monitoring. If you fail to do so, your facility will receive Monitoring and Reporting Violations, each quarter, until the form is submitted. Be sure to include all Stage 2 D/DBPR locations and a site map.

Please submit the attached site sampling form and a site map, to Division of Water, Attn: Kellee Husband, 200 Fair Oaks Lane, 4th Floor, Frankfort, KY 40601 or kelleem.husband@ky.gov.

If you have any questions you may contact me at 502-564-3410 ext. 4984 or linda.metts@ky.gov.

Sincerely,

Linda Metts

Drinking Water Compliance & Technical Assistance Compliance & Technical Assistance Branch

inda Molls



## **Specific Site Information** Chemical, THM, HAA and TOC Monitoring Plan

	PWSID: Name: Address: City/State/Zip County:	Martin County Water Di 387 East Main Street, Su Inez Ky Martin County	istrict wite 140 41224	S	Service Connections: 3600  System Population Served: 10692		
		Revised:	OR New:	) is			
mplin te No.	g	Sampling Site Location			Type of Facility		
	Name:	Babe Delong Road	Residential:	1	Medical:		
8	Address:	New Route 3	Commercial: School:	17	Public Bldg:		
`	City:	10	Other(specify):	/	Hydrant		
7°	State/Zip:						
	Name:	Old Route 3	Residential:	78 2	Medical:	of the same	
		Across from Fitch Branch					
9	Address:	ACTOSS TOWNTHEN DIGICAL	School:	-5	Public Bldg:		
	City:		Other(specify):	V	Hydrant		
~^^	State/Zip:						
<del>/                                    </del>	Name:		Residential:		Medical:		
-	1(411110)		Commercial:	10			
	Address:		School:	Ĩ.,	Public Bldg:		
	City:		Other(specify):	-			
	State/Zip:	1					
$\rightarrow$	Name:	(:	Residential:	-	Medical:	17	
- t			Commercial:				
- 1	Address:		School:	al C	Public Bldg:		
	City:			1			
	State/Zip:						
	Name:		Residential:	1	Medical:		
Ī			Commercial:				
	Address:	3	School:		Public Bldg:		
	City:		Other(specify):		<u> </u>		
	State/Zip:			-			
1	Prep	ared By: Kyle W. Sammo Date: 10-21-13	Page		of	<u> </u>	

# MARTIN COUNTY UTILITY BOARD

387 East Main Street, Suite 140 INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913

October 21, 2013

Russell Neal, Environmental Scientist II Division of Water 200 Fair Oaks Lane Frankfort, Ky 40601

Dear Russell:

We are altering our stage II site number on Davela from SM5 to 118 and the location from Sandlick to Babe Delong Road. Due to Prestonsburg Utility's supplying water to the industrial site and also Davella Road the water at the original Stage II Site is not always Martin County Water Districts Water. (Due to MCWD and Prestonsburg Utilities both pumping to the same location we cannot insure which water is being tested.

We are altering our Stage II site number on Wilderness Lane from 008 to 119 and the location from Wilderness Lane to Old Route 3 Across from Fitch Branch due to the lack of customer demand In the area.

Sincerely.

Kyle W Sammons

# Specific Site Information Chemical, THM, HAA and TOC Monitoring Plan

12	PWSID: Name: Address: City/State/Zip: County:	Ky 0800273  Martin County Water Distr HC 69 Box 875  Thez, Ky , 41224  Martin County	rict	Sy Po	stem pulation rved:    36	500
		Revised:	OR New:		_	
amplin	g	Sampling Site Location			Type of Facility	
ite No.	N. T	C ICCooole Chunch	Residential:		Medical:	
1	Name:	Calf Creek Church 3520 Tug River Road	Commercial:			
-140	Address:	35 40 149 HIVER HEAD	School:		Public Bldg:	
5M8	City	Inez	Other(specify):	V	church	
	State/Zip:	Kx / 41224				
	State	5M 5			No disale	
	Name:	Meathouse Pump Station	Residential:		Medical:	
		about half mile below	Commercial:		D III Dides	
SMY		Pike Co. & Martin Co. Line.	School:	_	Public Bldg:	1
	City:	11132	Other(specify):		Pump Station	
	State/Zip:			-		11 - 12
	N KIN K		Residential:	_	Medical:	
	Name:	Sand Lick Hydrant	Commercial:	-		
	Address:	Davella Road	-		Public Bldg:	
SM5			School:	-	Hydrant	
,,,	City:		Other(specify):		MALANE	
l	State/Zip:			-		T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Residential:		Medical:	-V
	Name:	Wilderness Lane	Commercial:			
	Address:	Highway 3 North Inez	School:		Public Bldg:	
008	City	7	other	V	Hydrant	
	City: State/Zip:					
	State/Zip.	114,4		_	No. disch	
	Name:		Residential:	-	Medical:	
			Commercial:		D 11 1013	
	Address:		School:		Public Bldg:	
1	City:		Other(specify):	-		
	State/Zip:			+		

#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov
September 16, 2014

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

John Mills Martin Co. Water Dist. 287 E. Main St. Suite 140 Inez, KY 41224

RE: PWSID KY0800273 Lead and Copper Monitoring/Reporting

Dear Mr. Mills:

Our records indicate that you have not exceeded the lead and copper action levels for the 2014 monitoring period.

You again qualify for reduced monitoring at a frequency of once every three years. Therefore, you are required to submit the analytical results of 30 samples for lead and copper by October 10, 2017. Samples collected for reduced monitoring must be taken from the same sites as before (if possible), and must be taken in the warm weather months of June, July, August or September of 2017. Samples collected outside these months will not be in compliance with the Lead and Copper Rule.

Enclosed are your 90th percentile sheet, the results notification form and a copy of the results delivery certification. Once you have posted the results on a bulletin board or something similar please mail me a filled out sample copy of the results notification form and the results delivery certification form.

If you have any questions regarding this matter, please contact me at 502-564-3410, extension 4981.

Sincerely,

Todd Ritter

Lead/Copper Rule Manager

Division of Water

C: Lead/Copper File

# Lead and Copper-90th Percentile

System Name: Martin Co.

PWSID: 0800273

Sample	#
1	
2	
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3 4 5 6 7	-
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12	
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22	
23	
24	
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	
26	
27	
28	
29	
30	

Site Loc.	Copper
25	0.000
32	0.000
66	0.000
79	0.000
40	0.000
45	0.000
29	0.000
55	0.000
61	0.000
59	0.000
73	0.000
76	0.000
67	0.000
78	0.000
70	0.000
71	0.000
8	0.010
50	0.010
57	0.010
43	0.010
54	0.010
69	0.010
75	0.010
37	0.020
14	0.030
63	0.030
47	0.040
33	0.080
62	0.090
77	0.270

Site Loc.	Lead
8	0.000
14	0.000
25	0.000
32	0.000
50	0.000
66	0.000
57	0.000
43	0.000
40	0.000
45	0.000
29	0.000
37	0.000
55	0.000
61	0.000
59	0.000
54	0.000
69	0.000
73	0.000
76	0.000
67	0.000
78	0.000
75	0.000
70	0.000
71	0.000
63	0.001
62	0.004
33	0.005
79	0.006
47	0.006
77	0.006

Date: 8/5/2014

grey area is system's 90th percentile Action Level: Copper 1.3 mg/l Lead 0.015 mg/l

# Kentucky



# Lead/Copper Results Delivery Certification

Name of System: Martin County Water District

PWSID: 0800273

I certify that each residence from where lead/copper tap water samples were collected has been informed of the lead/copper test results along with the following information: MCLGs, ALs and their definitions, a fact sheet on the health effects of lead/copper which includes steps to reduce exposure to lead/copper in drinking water, and contact information for the water utility.

#### **DELIVERY METHOD** (choose 1 method):

X	Municipal system with a population greater then 3,300 people:
	Residents were notified by U.S. Mail on September 22, 2014.
	Municipal system with a population of 3,300 or fewer people (choose at least one):
[	Residents were notified by U.S. Mail on (date) .  Residents were notified by hand/direct delivery on (date) .
	Nonmunicipal systems (colleges, prisons, etc.): The lead/copper results were posted on (date) within the facility in which the samples were collected and that the posting will stay up until the

Signature: East T. alley

next lead/copper results are reported.

Title: Water Plant Manager

Print Name: Earl T Alley

Phone: 606-298-7439

Date: September 22, 2014

This form must be completed and returned along with a sample of the resident's notification of the lead/copper results by September 30 to:

Division of Water 200 Fair Oaks Ln, 4th Floor Frankfort, KY 40601 (502) 564 – 3410 ext. 4981 Gregory Sammons PO Box 161 Warfield, KY 41267

#### Dear Homeowner:

Martin County Water would like to thank you for your participation in our Lead and Copper Compliance Program. You have helped us determine the extent to which household plumbing and fixtures contribute to the lead and copper concentrations in drinking water. Your results show that your lead and copper water quality are below the action levels. The results from the sample you collected at your residence on 08-05-2014 are as follows:

Analyte	Typical Concentration Leaving Plant	Your Results	EPA Action Level (AL) [†]	EPA Maximum Contaminant Level Goal (MCLG) ^{††}
Lead	<0.001 ppm*	0.001 ppm	0.015 ppm	0 ppm
Copper	<0.02 ppm	0.03 ppm	1.3 ppm	1.3 ppm

Lead is a common metal found throughout the environment in lead-based paint, air, soil, household dust, food, certain types of pottery porcelain and pewter, and water. Lead can pose a significant risk to your health if too much of it enters your body. Lead builds up in the body over many years and can cause damage to the brain, red blood cells and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. In addition, a child at play often comes into contact with sources of lead contamination - like dirt and dust - that rarely affect an adult. It is important to wash children's hands and toys often, and to try to make sure they only put food in their mouths.

Below is a list of steps you can take to reduce exposure to lead in drinking water:

- Let water run from tap before using for drinking/cooking any time water has gone unused for > 6 hours.
- Do not cook with, or drink water from the hot water tap; lead is dissolved more quickly in hot water. This also
  applies when preparing baby formula or mixing with concentrated juices.
- Boiling water does not reduce lead levels in fact, it may make lead levels more concentrated.

If you would like more information on reducing lead exposure around your home and the health effects of lead, visit EPA's website at <a href="https://www.epa.gov/lead">www.epa.gov/lead</a> or contact the National Lead Information Center (NLIC) at 1(800) 424-5323. If you have any questions or concerns about your drinking water, please do not hesitate to contact me.

Sincerely,

Earl T. Alley

Martin County Water District #0800273

14 Flat Hollow Inez, KY 41224

606-298-7439

Etalley47@bellsouth.net

al T. alley

• ppin = parts per million or mg/L

[†] Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

^{††} Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

System: Martin Co Water Dist #1

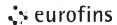
PWSID:

KY0800273

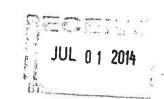
Sample Date:

Aug-14 All lab results with a "less than sign" (<) should be entered as zero (0).

	m personnel, not th	AL= 1.3 mg/L		Lead	AL= 0.015 mg/l
te Code	Analysis Results	Site Code	Site Code	Analysis Result	ts Site Code
037	0.02		037	0	
029	0		029	0	STATE OF THE STATE OF
045	0		045	0	
047	0.04	12	047	0.006	
040	0		040	0	
079	0		079	0.006	
033	0.08	1415	033	0.005	
043	0.01		043	0	
057	0.01		067	0	
066	0		066	0	
077	0.27	200	077	0.006	
071	0		071	0	
070	0		070	0	
	0.01		076	0	
076			078	0	181.3
078	0		067	0	
067	0		076	0	
076	0		073	0	
073	0.09	18.5	062	0.004	
062	0.01		069	0	Section 1
069	BEAUTION OF THE PARTY OF THE PA		064	0	
054	0.01		059	0	
059	0		063	0.001	
063	0.03	33	061	0	
061	0		055	0	
065	0		032	0	
032	0		026	0	
025	0		014	0	FALLES III
014	0.03		008	0	
008	0.01		060	0	
050	0.01		000		
		A Section	F 100 100 100 100 100 100 100 100 100 10	A HARMAN PARTY	
ME CENT				Liver Library	
100			Section 1		
					September 1
			-1115		30 - 21 B - 20 B
1,11112					ACTOR OF THE
			1 10 10		1911
35000					SHALL BOWN IN
	30	To	otal Samples	30	
	6				
	0.040	90	th percentile	0.005	
0.000	to 0.270		Range	0.000	to 0.006
	0	sites above	the action level	0	
		Sites above			10 each sample ye



Eaton Analytical



Rev. 06/01/2011

SAMPLE CATEGORY = GE ENTRY POINT SAMPLING

This Section To Be Completed By Collector.

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH RADIONUCLIDES ANALYSIS REPORT FORM

PWS ID	KY0800273 Plant 1	D _A	Plant Name	М	lartin County Water District Plant	Location Code	TPA
PWS Name	Martin County Water District			_	PWS Contact Joe H	ammond	
PWS Address	287 East Main Street Suite 140 Inex, KY 41	1224			PWS Phone 606-2	98-3885	
Sample Date (MMDDYYYY)	05222014			ne (Fo	RT Collector Name	Signature	- 22-14 Dale
Sample Time	09:12		SP = Spec	al (No	(or Compliance)		11
nis Section To	o Be Completed By Lab.					E	EA Report # 318
Lab ID	90056 Lab Sample Numbe	er 3032	2795		Leb Phone 574-233-477		
Reviewed By	LAN Seth Payare Degraphy was	cd by Ryan Fulls 6 24 13 49 51 04 00		~	Finalized By	Date: 2014.06.2	by James Vernon 4 15:41:51 -04'00'
	Signature	Ωate				Signeture	Date
Analyte Code	Ansiyte Name		Analysis Method Code	<	Resull (pCi/L) -or- Lab Minimum Reporting Limit (pCi/L)	Analysis Date (MMDDYYYY)	Counting Error (+/-)
4000	GROSS ALPHA (excl. Redon and Uranium) (pCvL)						
4002	GROSS ALPHA (and Radon and Urarvum) (pCi/L)		863	<	3.0	06132014	
4006	URANIUM (ug/L)						
4010	COMBINED RADIUM (pCirt.)						<u> </u>
4020	RADIUM 228 (pCifL)						
4030	RADIUM-228 (pC/L)		948	<	1.0	06122014	
4044	POTASSIUM-40 TOTAL (pCI/L)						
4100	GROSS BETA IPCAL)						
4101	MAN-MADE BETA PARTICLE & PHOTON EMITTERS (mmm/	/yr)					
4102	TRITIUM (pC/L)						
4174	STRONTIUM-80 (pCvL)						
4264	IQDINE-131 (pC/L)						
4270	CESIUM-134 (pCVL)						

The signatures of this form certify by their signatures that collection and analysis of the water sample analyzed and the resulting data hereby submitted, were completed in accordance with the provisions of 401 KAR Chapter 8 are subject to severe penalties that the data submitted on the form is a true and accordance with the provisions of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224 99-010, up to \$25,000 fine per day per validation and in some cases a violation may subject the violator to prison

Note—This report may not be reproduced, except in full-without written approval from EFA—EFA is accredited by the National Environmental Lubaratory Accreditation Program (NELAP)

Note—The results presented relate only to the samples provided for analysis—The Lab Sample Number provided is the lowest EEA sample number used for the samples combined in this report

Note See attached page for additional comments

110 South Hill Street South Bend, IN 46617 Tel: (574) 233-4777 Fax: (574) 233-8207 1 800 332 4345

#### ENERGY AND ENVIRONMENT CABINET

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov
August 13, 2014

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

John Mills Martin Co. Water District 287 E. Main St., Suite 140 Inez, KY 41224

RE: PWSID# KY0800273

Radionuclide Monitoring Frequency

Dear Mr. Mills:

A review of our records indicates the following compliance status.

A sample on 5/22/2014 from Martin Co. Water Dist. had the following RADIONUCLIDE results:

Analyte	Result	Detection Limit	Max Contaminant Level
Gross Alpha Particle	<3.0 pCi/L	3pCi/L	15pCi/L
Radium-226	1.5 pCi/L	1pCi/L	Combined radium of 5pCi/L
Radium-228	<1.0 pCi/L	1pCi/L	Combined radium of 5pCi/L
Uranium	2.2 μg/L	lµg/L	30μg/L

IF	THEN	
All are less than detect level	Sample in nine (9) years	
Any are ≥ detect and ≤ ½ MCL	Sample in six (6) years	
Any are > ½ MCL and ≤ MCL	Sample in three (3) years	
Any are > MCL	Begin quarterly	

In accordance with KAR 8:550 Section 1, you are now required to sample for radionuclide analytes 6 (six) years from the last sampling date. Your next sample needs to be collected from the entry point to the distribution system during any quarter in the 2020 calendar year. Your future monitoring requirements will be based upon a review of your next sample.

Please forward a copy of your monitoring requirements on to your certified laboratory.

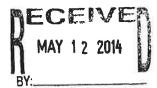
If you have any questions or need further assistance please contact Todd Ritter at (502) 564-3410 ext. 4981 or Todd.Ritter@ky.gov.

Sincerely,

Todd Ritter

Compliance Officer

## Consumer Confidence Report (CCR) Certification



PWS Name: Martin County Water District PWSID#: KY0800273 Population Served: 10395

I, the undersigned, certify that our system's Consumer Confidence Report for calendar year 2013 was prepared and distributed according to the requirements for our system in 40 CFR 141.153, 141.154, and 141.155 and appropriate notices of availability have been given. Also, I certify that the report contains information that is correct and consistent with the compliance monitoring data previously submitted to the Division of Water.

Date information to purchasers: PWSIDs of purchasers:	☐ Written agreed alternative date on file. (Required if after April 1)
Date CCR distributed to customers: 5/2/20	Date CCR sent to Division of Water: 58 14
1. CCR main/primary distribution	method: ☐ Mailed ☐ Hand Delivery ☒ Electronic Delivery* ☐ Newspaper**
notification of e-delivery, email notification back emails with a statement that indicates	va.org/2013ccr/martincounty.pdf  It to DOW shall include hard copies of: Copy of CCR from Website, Bill insert/bill with  to e-pay/auto-pay e-delivery including subject line, the # of emails sent and the # bounce hardcopies were mailed to the bounced back email customers along with a copy of the method for e-delivery must be a non-electronic method.
To use newspaper as the primary distribution  a) Have a POPULATION less than 10	the newspaper clipping of CCR showing the date the report was printed is required. on method, your system must: 0,000; b) Publish the report in a local newspaper by July 1; c) Notify your customers by mailed unless requested, and it is available upon request.
Indicate how you notified customers that newspaper, etc.) (Required if published in	t CCR will not be mailed unless requested. (example: Message on water bill, statement in newspaper): Message on water bill
If your system serves a population of less the request. Indicate how customers were notified.	han 500, you only need to notify your customers by July 1 that the report is available upon fied & how the report was made available upon request:
2. CCR secondary/"Good faith" ef	forts (GFEs) to reach the non-bill-paying customers (indicate methods used)
Posting the CCR on the Internet URL:	(N/A with E-delivery as main distribution method)
(list locations).	on-bill-paying consumers at apartments, rest homes, hospitals, schools, factories, & etc.
b) Delivering to community organ	nizations (attach list).
c) Posting the CCR or an announce	cement of its availability in public places (attach list of locations).
e) Advertising availability of the	ement of its availability in local newspaper (attach copy).  CCR in news media. (attach copy of announcement) (N/A with E-delivery as main
distribution method)	within the service area (attach zip codes used).
g)	ditional methods used or explanation or use back of sheet).
Name: Signature:	In mi
Title: Manager Phone (666) 298-388 email:	jmills a belkouth net
Address: 387E. Main A. Date: 5-8/4/ Site 140 Irez, KY 4124	<b>V</b>
WIRTH C. C. RC & CEPTIFICATION TO: INCIDENCE	ky Division of Water iance Technical Assistance Section ATTN: CCR

200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

### Martin County Water District Water Quality Report 2013

Water System ID: KY0800273 Manager: John Mills

606-298-3885

CCR Contact: Tom Alley 606-298-7439

etalley47@bellsouth.net

Mailing Address: 387 E Main St. Suite 140 Inez, KY 41224

Meeting location and time: Water District Office Fourth Monday at 4:00 PM

Martin County Water District treats surface water withdrawn from Crum Reservoir and replenished from Tug River. Finished water was also purchased from Prestonsburg Utilities to supply water to the Industrial Park. The source for Prestonsburg is surface water from the Levisa Fork of the Big Sandy River. Potential contaminant sources of concern include major roads, bridges and culverts. Other potential impacts include the coal industry, oil and gas industries, and straight pipes. Many of the potential contaminant sites are located along the Tug Fork of the Big Sandy. With each rainfall, herbicides, pesticides, fertilizers, animal manure and household chemicals are washed from impervious surfaces and other land areas into storm drains, ditches, sinkholes or streams that flow into our nearby waterways. Source Water Assessment Plans have been developed for both water systems. The assessments are available for review at each of the respective water system offices and/or local public libraries.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or mining activities). In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water to provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

#### Information About Lead:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Your local public water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

Some or all of these definitions may be found in this report:

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCl/L) - a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. Unless otherwise noted, the report level is the highest level detected.

	Allo	wable	35	Highest	Single	- 1	Lowest	Violation		
	Te	vels	Source	Measure	ment		Monthly %		Li	kely Source of Turbidity
Furbidity (NTU) TT		han I NTU	M=		16		100			
Representative samples					265		100	No		Soil runoff
of filtered water		hly samples								V/
Regulated Contamina										
Contaminant	It Test IX	J G G I G		Report		Ran	ge	Date of	Violation	Likely Source of
Contaminant			Source					0	1500	Contamination
code] (units)	MCL	MCLG	Ø	Level	of	Deto	ection	Sample	-	Erosion of natural deposits
Alpha emitters [4000] (pCi/L)	15	0	M=	1.7	1.7	to	1,7	Aug-08	No	Elosion of harasa doposito
Combined radium	5	0	P=	0.7	0.7	to	0.7	Jul- i i	No	Erosion of natural deposits
(pc//L)				011						
Copper [1022] (ppm)	AL =		M=	0.030						Corrosion of household
sites exceeding action leve		1.3		(90 th	0	10	0.28	Aug-11	No	plumbing systems
o	1.3	1.3	2	percentile)			0.00			
Fluoride			M=	0.85	0.85	to	0.85	Apr-13		Water additive which
	4	4	P=	0.85	0.85	to	0.85	Apr-13	No	promotes strong teeth
[1025] (ppm)	4	7	-	0.65	0.03	***	0.05	1161 12		
	47 =		M=	3		_				Corrosion of household
Lead [1030] (ppb)	AL=	0	IVI=	(90 th	0	to	6	Aug-11	No	plumbing systems
sites exceeding action lev	15	0	- 3			ιο	Ü	Aug-11	1,40	
0				percentile)	0.00	4.	0.21	Oct-13	-	Fertilizer runoff; leaching
Nitrate			M=	0.23	0.23	to	0.23	Jul-13	No	from septic tanks, sewage;
[1040] (ppm)	10	10	P=	0.35	0.35	to	0,33	1m-13	140	erosion of natural deposits
m + 10 is Contain (as			M=	1.68	1.00	to	4.23			Naturally present in
Total Organic Carbon (pr	тт•	N/A	P=	1.00	0.67	to	1.38	N/A	No	environment.
(report level=lowest avg	114	IN/A	-	1.00	0.07	10	1,50	.,,,,		
range of monthly ratios) *Monthly ratio is the %	FOC	ual ashiayad	toth	9% TOC *	emoval r	equir	red Annual a	verage must	be 1.00 or	greater for compliance.
		MRDLG	M=	1.11	I I	oquii	Cu. Turrican u	reruge m.c.		Water additive used to contro
Chlorine	MRDL	= 4	IVI-	(highest	0.54	to	1,65	N/A	No	microbes.
(ppm)	= 4	= 4			0.54	10	1,05			
			M=	average) 68	44	to	89			Byproduct of drinking water
HAA (ppb) (all sites)		N//A	M= P=	41	14	10		N/A	No	disinfection
[Haloacetic acids]	60	N/A					ystem sites)	1	,,,	
			14	(average)	Tange	OLS	ment sites)			Byproduct of drinking water
HAA (ppb)		\ \ _{\\\\\}	M=	N/A	20	to	31	N/A	No	disinfection
[Haloacetic acids]	60	N/A		(high site			dividual sites)	1		
(Individual Sites)		-	1		1	to			<b></b>	Byproduct of drinking water
TTHM (ppb) (all sites)		,	M=	84	36 26	to		N/A	No *	disinfection
[total trihalomethanes]	80	N/A	P≂	65	1			l NA	1,0	
				(average)	(range	015	ystem sites)		_	Byproduct of drinking water
TTHM (ppb)			M=	N/A			100	N1/A	No	disinfection.
[total trihalomethanes]	80	N/A		(high site		to		N/A	140	
(Individual Sites)			_	average)	(range c	of inc	dividual sites	1		

^{*} Less than one year of sampling where results of all sample sites were combined and averaged. Each site will now be averaged individually.

#### **Violations**

During 2013 public notifications were distributed for several violations after our water system violated drinking water requirements. Even though these were not emergencies, as our customers, you have a right to know what happened and what we are doing to correct these situations. We had several violations for not completing all reporting requirements or falling to meet required water quality levels. The table below lists the violations that we performed public notification for during 2013.

Violation	Begin Date	End Date	Explanation
9951145 MOR	2/1/2013	2/28/2013	Monthly Operation Report arrived late at Division of Water
9951146 Chlorine	2/1/2013	2/28/2013	Report within late arriving MOR
9951147 Turbidity	2/1/2013	2/28/2013	Report within late arriving MOR
9951148 HAA	1/1/2013	3/31/2013	Exceeded haloacetic acids (HAA) MCL
9951149 THM	1/1/2013	3/31/2013	Exceeded trihalomethanes (THM) MCL
9951150 HAA	4/1/2013	6/30/2013	Exceeded haloacetic acids (HAA) MCL

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

There are no health effects for failing to submit required documentation or clerical errors. In the future we will make efforts to submit correct documents at the proper time to the regulatory agencies. We have requested the Kentucky Rural Water Association to assist with monitoring, reporting, and operational activities in an effort to prevent future violations of this type.

## Water Quality - Consumer Confidence Report "Good Faith Effort"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide an annual report to its customers containing information on the quality of the water delivered by the system. The report must also include the risks from exposure to contaminants detected in the drinking water.

The water system must also make a good-faith effort to reach consumers who do not get water bills. A good-faith effort is to be tallored to the consumer who is served by the system but is not a bill-paying customer, such as a renter or worker.

Date	Name of Facility
05/06/14	Martin County Court House
05/06/14	Martin Co. Public Libraries
05/06/14	Quail Hollow Apts.
05/06/14	Dempsey Housing
05/06/14	Martin County Health Dept.
05/06/14	Inez Post Office
05/06/14	Warfield Post Office

I, the undersigned, confirm that a copy of the Consumer Confidence Report was prepared and distributed to the above listed facilities. Information contained in the report furnished to the facilities is identical to information provided to the billed consumers.

Printed Name: John Mills

Signature: ______ Date: 5-6-14

1artin County Water District 87 East Main St., Suite 140 1ez, KY 41224

(606) 298-3885

BILL DATE ACCOUNT

5/20/2014

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

eturn Service Requested

OCATION 192 Marcumtown Rd

Service Meter # Prior Date | Prior Read | Read Date | Cur. Read | Usage | Mamount

Bring Entire Card When Paying

In Person

revious Due





fter Hours Emergency Number: (606) 298-7439



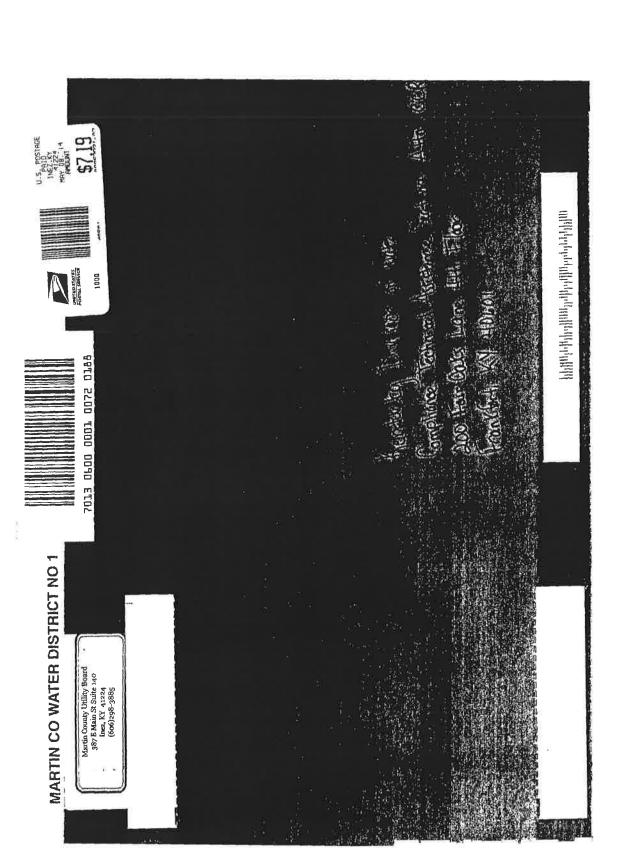


In 2013, Martin County Water District detected 11 contaminants in the drinking water and none of them were above the EPA accepted level for drinking water. Please go to www.krwa.org/2013ccr/martincounty.pdf to view your 2013 annual water quality report and learn more about your drinking water. This report contains important information about the source and quality of your drinking water. To speak with someone about the report, please call (606) 298-3885. If you would like a paper copy of the 2013 Annual Water Quality Report mailed to your home please check the paper copy box and mail back with your payment or call (606) 298-3885. Mail a copy

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## KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT	H & YEAR (mm/yyyy) 01/2014	Indicate one with "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	KY0800273         PLANT ID:           Martin County Water District           2987         Crum Reservoir           Tug Fork         Tug Fork	PLANT NAME:  PLANT CLASS: 3  DATE MAILED:  COUNTY:	Martin County Water District  DIST. CLASS: 2  02-07-2014  Martin
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION:	OPERATOR(S) RESPONSIBLE / IN-CHARGE Earl T Alley Michael Sartin Jerry L Belcher PORT MUST BE RECEIVED BY THE DIVISION	1V-A 1V-A 1V-A	CERTIFICATION NUMBER  17562  21944  21719  APPLICABLE FIELD OFFICE
THIS KEP	NO LATER THAN 10 DAYS AFT		
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm):  2. TYPE OF FILTRATION USE  3. DESIGN FILTRATION RAT  4. PERCENT BACKWASH WA  5. DATE FLOCCULATION BA	1,6 Dual E (gpm/sq. ft.): 2. ATER USED: 11,6 Dual	Media 66 .1 #3 - 9/2/ 09	
6. DATE SETTLING BASIN(S	) LAST CLEANED:		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

02-07-2014

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273 A

REPORT MONTH/YEAR: _ PAGE 1

01/2014 OF 1

		simble in the same army liver of	tradition and	A DESCRIPTION OF THE PERSON NAMED IN	-O.Dingayana	THE PARTY OF PERSONS ASSESSED.	Same of the		PAGE	WHEN THE PARTY OF	CONTRACTOR	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
361	RAW WATER	HOURS PLANT	COAGU		COAGL		pH ADJUS	TMENT	DISINFE	CTANT	DISINFE	CTANT
	TREATED	OPERATED					Pro		Pn		Pos	
DAY	GALLONS		LB8	PPM	LB8	PPM	LBS	PPM	LB9	PPM	LBS	PPM
15	1,933,000	24.0	359.9	22,3	4.2	0.3			306.6	19.0	159.8	9.9
2	1,868,000	24.0	359.9	23.1	4.2	0.3			268,8	17.3	159.8	10.3
3	1,926,000	24.0	359.9	22.4	4.2	0.3			283.0	17.6	147.8	9.2
4	1,880,000	24.0	359.9	23.0	4.2	0.3			283.0	18.0	159.8	10.2
	1,964,000	24.0	359.9	22.0	4.2	0.3			302.6	18.5	161.8	9.9
6	1,916,000	23.5	352.3	22.0	4.1	0.3			302.6	18.9	156.8	9.8
4	1,987,000	24.0	359.9	21.7	4.2	0.3			309,2	18.7	159.8	9.6
6	1,932,000	24.0	359.9	22,3	4.2	0.3			263.2	16.3	159.8	9.9
9	1,945,000	24.0	359.9	22.2	4.2	0.3			258.5	15.9	151.6	9.3
10	1,966,000	24.0	359.9	21.9	4.2	0.3			268.8	16.4	159.8	9.7
	1,929,000	24.0	359,9	22.4	4.2	0.3			263.2	16.4	159.8	9,9
71		24.0	454.7	26.8	4.2	0,2			312.4	18.4	165.7	9.8
12	2,036,000			27.2	4.2	0.3			304.1	18.2	172.0	10.3
13	2,002,000	24.0	454.7		4.2	0.2			295.7	17.5	169.2	10.0
14	2,030,000	24.0	391.4	23,1					297.1	17.7	163.5	9.7
16	2,011,000	24.0	328.2	19.6	4.2	0.3			304.8	17.8	159.8	9.3
18	2,051,000	24.0	312.5	18.3	4.2	0.2					162.1	9.8
17 .	1,985,000	23.0	299.5	18.1	4.0	0.2			306.6	18.5		9.9
18	2,052,000	24.0	312.5	18.3	4.2	0.2			319.0	18.6	169.2	
-36)	1,987,000	23.0	282.9	17.1	4.0	0.2			312.3	18.8	169.2	10.2
20	2,043,000	24.0	265.1	15.6	4.2	0.2			292.3	17,2	169.2	9.9
21	2,022,000	24.0	265.1	15.7	4.2	0.2			289.5	17.2	169.2	10.0
122	2,036,000	24.0	265.1	15.6	4.2	0.2			319.0	18.8	169.2	10.0
237	2,024,000	24.0	265.1	15.7	4.2	0.2			298.4	17.7	104.7	9.8
24	2,028,000	24.0	265.1	15.7	4.2	0.2			302,6	17.9	169.2	10.0
26	1,993,000	24.0	265.1	15.9	4.2	0.3			295.7	17.8	169.2	10.2
28	1,925,000	24.0	265.1	16.5	4.2	0.3			283.3	17.6	169.2	10.5
27	1,928,000	24.0	265.1	16.5	4.2	0.3			286.4	17.8	169.2	10.5
26	1,927,000	23.5	259.7	16.2	4.1	0.3	ļ	4	283.4	17.6	165.7	10.3
29	1,804,000	23.0	254.2	16.9	4.0	0.3			268.0	17.8	153.2	10.2
	1,984,000	24.0	265,1	16.0	4.2	0.3			304.6	18.4	165.1	10.0
30		24.0	265.1	15.6	4.2	0.2			311.9	18.3	183.2	10.8
TOTAL	61,153,000		9952.6		129.4		0.0		9096.8		5083.4	
AVERAGE			321.1	19.5	4.2	0.3	#DIV/01	#DIV/01	293.4	17.8	164.0	10.0

2,052,000

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABL	г той	LL PLA	NTS.	
	102			

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 01/2014

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			-Jun-				MIDAL & ADDET			THE REAL PROPERTY.		BION	H20	•
	DISINFEC	TANT	FLUOR	RIDE	CARE	ION	pH ADJU	J8TMENT Hic	KMn	04	ÇORRO INHIBI		1120	•
İ							Poi	et						
DAY	LBS	PPM	LB8	РРМ	LBS	PPM	LB6	РРМ	LBS	PPM	LBS	PPM	LB8	РРМ
	466.4	28.9	80.9	3.8										
	428.6	27.5	60.9	3.9		i								
3	430.8	26.8	60.9	3.8										
4	442.8	28.2	60.9	3.9										
160	464.4	28.4	60.9	3.7									-	
	459.1	28.7	59.6	3.7										
7	469.0	28.3	60.9	3.7										
16	423.0	26.3	60.9	3.8										
.9	410.1	25.3	60.9	3.8										
10	428.6	26.1	60.9	3.7										
11	423.0	26.3	60.9	3.8										
12	478.1	28.2	80.9	3.6										
10	476.1	28.5	60.9	3.6										
1145	464.9	27.5	60.9	3.6										
15	460.6	27.5	60,9	3.6										
18	464.6	27.2	60.9	3.6										
17	468.7	28.3	58.4	3.5					1					
18 )	488.2	28.5	60.9	3.8										
иß	481.5	29.1	58.4	3.5										
20	464.5	26.7	60.9	3.6										
21	458.7	27.2	60.9	3.6	1									
22	488.2	28.8	60.9	3.6										
23	463.1	27.4	60.9	3.6			85.9	5.1						
24	471.8	27.9	60,9	3,6			85.9	5.1						
26	464.9	28.0	60.9	3,7			85.9	5,2				3		
20	452.6	28.2	60.9	3.8			85.9	5.4						
554300000000000000000000000000000000000	455.8	28.3	60.9	3.8	-		85.9	5,3	-					
27 28	449.6	28,0	80.9	3.8			85.9	5.3						
29	421.2	28.0	58.4	3.9			85.9	5.7						
30	469.7	28.4	60.9	3.7	ļ		85.9	5.2	-			-		-
-31	495.1	29.1	60.9	3.6			85.9	5.1						
TOTAL	14,173.6		1,879.1		0.0		773.1		0.0		0.0		0.0	
AVERAG		27.8	60.6	3.7	#DIV/01	#DIV/01	85.9	5.3	#DIV/0I	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

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REPORT MONTH/YEAR:

01/2014

PAGE

OF

								PMUNLESS	OTHERWIS	E SPECIFIEE		li din di	TURBIDITY	NTU\
		рН		ALKA	TAL LINITY		TAL NESS	TOP FIL	OF	PLA T/			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
	7.54	7.48	7.34	71	69	141	135	0.77	0.70	2.03	1,95	17.70	0.17	0.05
	7.50	7.45	7.30	71	65	123	115	0.70	0.63	1.99	1.91	16.50	0.16	0.05
3	7.49	7.45	7.30	64	60	126	122	0.71	0.65	1.92	1.86	16.40	0.16	0.05
	7.51	7.42	7.31	43	40	123	120	0.66	0.59	1.99	1.91	17.50	0.14	0.05
6	7.46	7.41	7.30	45	41	115	111	0.73	0.65	2.03	1.95	17.00	0.16	0.04
5	7.48	7.39	7.29	52	47	114	108	0.85	0.80	2.15	2.05	16.90	0.18	0.06
7	7.44	7.34	7.24	46	42	125	121	0.70	0.65	1.86	1.79	16.40	0,19	0.05
11.45	7.45	7.38	7.29	77	72	90	86	0.61	0.50	1.86	1.82	16.40	0.20	0.06
g	7.38	7.31	7.21	70	66	115	109	0.78	0.70	1.98	1,94	16.00	0.20	0.04
10	7.41	7.35	7.24	60	55	115	110	0.75	0.67	1.94	1.88	15.80	0.23	0.04
44	7.43	7.30	7.19	62	59	112	110	0.74	0.63	2.06	1.98	15.60	0.23	0.05
	7.28	7.21	7.10	38	34	102	100	0.74	0.65	2.01	1.91	47.10	0.42	0.07
13	7.21	7.22	7.11	54	50	108	103	0.59	0.52	1.94	1.89	37.30	0.30	0.06
44	7.27	7.23	7.13	44	38	96	90	0.68	0.58	1.99	1.89	26.70	0.30	0.06
18	7.27	7.24	7.10	53	45	80	78	0.66	0.56	1.99	1.92	21.20	0.26	0.06
16	7.16	7.19	7.08	51	44	78	75	0.70	0.63	1.92	1.86	19.40	0.20	0.04
117	7.24	7.18	7.08	44	39	88	84	0.58	0.53	1.88	1.82	19.20	0.24	0.06
18	7.20	7.19	7.15	50	46	79	73	0.75	0.70	1.99	1.94	17.30	0.29	0.05
18	7.10	7.14	7.04	40	35	68	65	0.61	0.54	2.00	1.93	14.90	0.21	0.04
20	7.19	7.10	7.03	38	34	79	75	0.77	0.71	1.92	1.82	13.50	0.26	0.06
21	7,19	7.09	7.02	47	41	87	83	0.82	0.77	1.97	1.89	12.80	0.39	0.06
252	7.15	7.08	6.99	30	25	70	64	0.68	0.55	1.87	1.82	11.50	0.37	0.08
23	7.11	7.16	7.20	40	37	74	70	0.74	0.68	1.90	1.83	10.40	0.31	0.05
24	7.07	7.08	7.14	39	35	82	77	0.80	0.75	1.96	1.90	10.40	0.36	0.05
26	7.08	7.09	7.14	24	22	92	90	0.82	0.75	2.00	1.92	9.89	0.54	0.05
26	7.15	7.12	7.19	27	23	94	90	0.71	0.64	1.94	1.86	9,44	2.19	0.23
37	7.12	7.06	7.16	32	27	94	91	0.71	0.64	2.01	1.94	9.18	2.14	0.30
28	7.00	7.01	7.11	42	37	77	72	0.77	0.69	2.01	1.91	9.07	2.17	0.63
29	7.15	7.09	7.21	64	60	61	58	0.77	0.66	1.90	1.82	8.83	2.07	0.24
30	7.03	7.08	7.16	52	45	55	52	0.74	0.64	1.89	1.81	8.59	0.50	0.10
31	7.12	7.10	7.22	48	44	71	65	0.70	0.63	1.94	1.87	7.12	0.43	0.10
AVERAGI	_ =	7.2	7.2	49	44	95	90	0.72	0.64	1.96	1.89	16.32	0.52	0.09

## OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

AGENCY INTEREST:

PLANT ID: 2987

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

REPORT MONTH/YEAR:

01/2014

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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		OPY PAGE /			<u> </u>	NA	LYTICAL R	ésul is (N	TU)	Silver Const			No.		
	RAW		SEDIME	NTATION E	BASIN EFFL		-	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN		INDIVIDUA	L FILTER E				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	DAILY MA	AXIMUM #4	#5	#6	#1	#2	#3	LY MAXIMU #4	/M #5	#6	#7	MAXIMUM
1	17.70		0.17	0.16						0.04	0.05	0.07	0.05		0.05
1:2	16.50		0.18	0.16						0.05	0.06	80.0	0.05		0.05
	16.40		0.18	0.16						0.04	0.06	0.08	0.05		0.05
4	17.50		0.15	0.14						0.04	0.05	0.07	0.06		0.05
A PORT	17.00		0.18	0.17						0.04	0.05	0.06	0.05		0.05
6	16.90		0.19	0.16						0.05	0.06	0.07	0.05		0.06
	16.40		0.19	0.19						0.05	0.05	0.07	0.05		0.05
'B	16.40		0.20	0.19						0.05	0.05	0.07	0.06		0.05
9	16.00		0.22	0.26						0.05	0.06	0.06	0.05		0.05
r=	15.80		0.24	0.33						0.05	0.06	0.05	0.05		0.05
111	15.60		0.32	0.31						0.05	0.06	0.11	0.07		0.06
12	47.10		1.24	0.99						0.09	0.12	0.43	0.21		0.19
40	37.30		0.35	0.35						0.06	0.08	0.13	0.05		0.07
14	26.70		0.30	0.30						0.06	0.07	0.12	0.05		0.07
115	21.20		0.24	0.27						0.05	0.06	0.12	0.06		0.06
i in	19.40		0.22	0.26						0.04	0.06	0.06	0.05		0.05
(7	19.20		0.34	0.34				3		0.07	0.09	0.07	0.05		0.06
16	17.30		0.36	0.35						0.06	0.07	0.08	0.05		0.06
(1)	14.90		0.28	0.26						0.05	0.06	0.09	0.07		0.06
20	13.50		0.35	0.35						0.05	0.06	0.06	0.05		0.05
-21	12.80		0.43	0.43						0.07	0.10	0.06	0.06		0.06
22	11.50		0.42	0.41						0.06	0.08	0.09	0.05		0.06
23.	10.40		0.38	0.33						0.05	0.06	0.09	0.08		0.06
24	10.40		0.43	0.39						0.05	0.06	0.08	0.07		0.06
25	9.89		0.47	1.48						0.06	0.09	0.06	0.06		0.06
26	9.44		0.45	4.37						0.05	0.07	1.38	0.33		0.40
27	9.18		0.41	4.20						0.05	0.06	1.55	0.93		0.50
28	9.07		0.61	3.95						0.04	0.05	0.22	1.22		0.71
29	8.83		0.47	4.01						0.06	0.05	1.39	0.45		0.46
30	8.59		0.43	0.69						0.07	0.05	0.27	0.06		0.11
31			0.44	0.56						0.06	0.04	0.31	0.06		0.11
AVERAG		#DIV/01	0.3	1	#DIV/0!	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!	0.05	0.06	0.24	0.15	#DIV/01	0.12

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: 01/2014

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*Please answer Y/N question below this chart.

PLUONIDE   RANN   NAMES   NAMES   NAMES   NAMES   NAMES   NAME   NAMES   NAMES   NAMES   NAMES   NAMES   NAMES   NAMES   NAME   NAMES   NAME			wer Y/N ques	stion below		SDE'S (mot)	OR PENTINE	ESS OTHERW	110	PAGE	<u> </u>	
0.08	2.46.00	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	RIDE							Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer		DEGREES
0.08	DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP		5-A	F°/C°
0.16		0.08	0.79	0.27	0.03	0.09	0.01			1.90	0.0	8.1
0.16	7	0.03	1.00	0.32	0.04	0.09	0.01			1.75	0.0	7.5
0.17	3	0.16	1.02	0.50	0.03	0.10	0.01	-11-11-11-11-11		1.75	0.2	7.4
0.06	4	0.17	1.00	0.52	0.03	0.08	0.01			1.75	0.0	7.2
Color	5	0.06		0.27	0.03	0.10	0.01			1.90	0.0	6.8
0.08		0.15		0.49	0.03	0.08	0.01			1.70	0.4	7.1
11	7.		0.87	0.46	0.03	0.08	0.01				1/21	8.1
11	· 8	0.05	0.97	0.32	0.03	0.08	0.01			1.85	0.0	7.2
11		0.11	0.81	0.25	0.03	0.09	0.01			1.75	0.0	7.1
11	MARKET PARK (880)		1.01	0.44	0.03	0.08	0.01			1.75	0.2	8.2
1			1.00	0.42	0.03	0.07	0.01					8.0
13		0.00	0.90	0.49	0.03	0.21	0.01			1.80	0.4	7.0
14			0.90	0.95	0.03	0.16	0.01			1.80		7.1
15	20010000000		0.96	0.70	0.03	0.11	0.01			1.90	0.4	8.1
16	CONTRACTOR STATE	1	0.79	0.29	0.03	0.10	0.01			1.75	100	7.2
18	THE WAY		0.96	0.15	0.04	0.10	0.01			1.75	(E)	7.2
18	15255		0.84	0.51	0.03	0.09	0.01			1.85		7.8
193			0.84	0.27	0.03	0.09	0.01			1.80	0.0	7.0
20         0.17         0.83         0.37         0.03         0.08         0.01         1.85         0.0         8.5           21         0.14         0.89         0.37         0.03         0.08         0.01         1.85         0.1         8.0           22         0.17         0.97         0.21         0.03         0.07         0.01         1.85         0.2         6.6           23         0.16         0.97         0.34         0.03         0.07         0.01         1.75         0.0         7.3           24         0.24         0.94         0.25         0.03         0.06         0.01         1.75         0.0         7.8           25         0.17         0.93         0.21         0.03         0.07         0.01         1.80         0.0         6.1           26         0.19         0.91         0.20         0.03         0.07         0.01         1.75         0.0         6.5           27         0.16         0.92         0.27         0.03         0.07         0.01         1.75         0.0         7.5           28         0.24         0.80         0.08         0.03         0.06         0.01	PARTITION NAME	0.16	0.83	0.23	0.03	0.09	0.01			1.85	0.0	6.8
28         0.16         0.97         0.34         0.03         0.07         0.01         1.75         0.0         7.3           24         0.24         0.94         0.25         0.03         0.06         0.01         1.75         0.0         7.8           26         0.17         0.93         0.21         0.03         0.07         0.01         1.80         0.0         6.1           26         0.19         0.91         0.20         0.03         0.07         0.01         1.75         0.1         6.5           27         0.16         0.92         0.27         0.03         0.07         0.01         1.75         0.0         7.5           28         0.24         0.80         0.08         0.03         0.06         0.01         1.65         0.0         7.9           29         0.14         0.81         0.22         0.03         0.06         0.01         1.75         0.0         5.9           30         0.14         0.84         0.22         0.03         0.06         0.01         1.80         0.0         5.9           31         0.14         0.93         0.27         0.03         0.06         0.01			0.83	0.37	0.03	0.08	0.01			1.85	0.0	8.5
28         0.16         0.97         0.34         0.03         0.07         0.01         1.75         0.0         7.3           24         0.24         0.94         0.25         0.03         0.06         0.01         1.75         0.0         7.8           26         0.17         0.93         0.21         0.03         0.07         0.01         1.80         0.0         6.1           26         0.19         0.91         0.20         0.03         0.07         0.01         1.75         0.1         6.5           27         0.16         0.92         0.27         0.03         0.07         0.01         1.75         0.0         7.5           28         0.24         0.80         0.08         0.03         0.06         0.01         1.65         0.0         7.9           29         0.14         0.81         0.22         0.03         0.06         0.01         1.75         0.0         5.9           30         0.14         0.84         0.22         0.03         0.06         0.01         1.80         0.0         5.9           31         0.14         0.93         0.27         0.03         0.06         0.01		¥	0.89	0.37	0.03	0.08	0.01			1.85	0.1	8.0
23         0.16         0.97         0.34         0.03         0.07         0.01         1.75         0.0         7.3           24         0.24         0.94         0.25         0.03         0.06         0.01         1.75         0.0         7.8           28         0.17         0.93         0.21         0.03         0.07         0.01         1.80         0.0         6.1           28         0.19         0.91         0.20         0.03         0.07         0.01         1.75         0.1         6.5           27         0.18         0.92         0.27         0.03         0.07         0.01         1.75         0.0         7.5           28         0.24         0.80         0.08         0.03         0.06         0.01         1.65         0.0         7.9           29         0.14         0.81         0.22         0.03         0.06         0.01         1.75         0.0         5.9           30         0.14         0.84         0.22         0.03         0.06         0.01         1.80         0.0         6.1           AVERAGE         0.11         0.90         0.35         0.03         0.09         0.01 <td>455 STRANGO SURE</td> <td>2</td> <td>0.97</td> <td>0.21</td> <td>0.03</td> <td>0.07</td> <td>0.01</td> <td></td> <td></td> <td>1.85</td> <td>0.2</td> <td>6.6</td>	455 STRANGO SURE	2	0.97	0.21	0.03	0.07	0.01			1.85	0.2	6.6
26	0.2000000000000000000000000000000000000	0.16	0.97	0.34	0.03	0.07	0.01			1.75		7.3
26	24	0.24	0.94	0.25	0.03	0.06	0.01			1.75	0.0	7.8
26         0.19         0.91         0.20         0.03         0.07         0.01         1.75         0.1         6.5           27         0.16         0.92         0.27         0.03         0.07         0.01         1.75         0.0         7.5           28         0.24         0.80         0.08         0.03         0.06         0.01         1.65         0.0         7.9           29         0.14         0.81         0.22         0.03         0.06         0.01         1.65         0.0         7.0           30         0.14         0.84         0.22         0.03         0.06         0.01         1.75         0.0         5.9           31         0.14         0.93         0.27         0.03         0.06         0.01         1.80         0.0         6.1           AVERAGE         0.11         0.90         0.35         0.03         0.09         0.01         #DIV/0!         #DIV/0!         Monthly Minimum         Fabrical         7.3	26	0.17	0.93	0.21	0.03	0.07	0.01			1.80	0.0	
37 0.14 0.93 0.27 0.03 0.06 0.01 1.80 0.0 6.1  AVERAGE 0.11 0.90 0.35 0.03 0.09 0.01 #DIV/0! #DIV/0! Monthly Minimum Fainfall 7.3	26.	0.19	0.91	0.20	0.03	0.07	0.01			1.75		6.5
37 0.14 0.93 0.27 0.03 0.06 0.01 1.80 0.0 6.1  AVERAGE 0.11 0.90 0.35 0.03 0.09 0.01 #DIV/0! #DIV/0! Monthly Minimum Fainfall 7.3	ON ON HER (1)	8	0.92	0.27	0.03	0.07	0.01			1.75	0.0	7.5
37 0.14 0.93 0.27 0.03 0.06 0.01 1.80 0.0 6.1  AVERAGE 0.11 0.90 0.35 0.03 0.09 0.01 #DIV/0! #DIV/0! Monthly Minimum Fainfall 7.3			0.80	0.08	0.03	0.06	0.01			1.65	0.0	7.9
37 0.14 0.93 0.27 0.03 0.06 0.01 1.80 0.0 6.1  AVERAGE 0.11 0.90 0.35 0.03 0.09 0.01 #DIV/0! #DIV/0! Monthly Minimum Fainfall 7.3	1598051745325180	0.14	0.81	0.22	0.03	0.06	0.01			1.65	0.0	7.0
31 0.14 0.93 0.27 0.03 0.06 0.01 1.80 0.0 6.1 FOLE 7.3  AVERAGE 0.11 0.90 0.35 0.03 0.09 0.01 #DIV/0! #DIV/0! Monthly Minimum Rainfall 7.3	301	0.14	0.84	0.22	0.03	0.06	0.01			1.75	28	5.9
AVERAGE 0.11 0.90 0.35 0.03 0.09 0.01 #DIV/0! #DIV/0! Monthly Minimum Rainfall 7.3	N2200000		0.93	0.27	0.03	0.06	0.01					6.1
1,65			0.90	0.35	0.03	0.09	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	7.3
								-		1.65		

For Free Chlorine, # less than 0.2 mg/L For Chloremines, # less than 0.5 mg/L

Number of readings

0

31

2.51

## APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

OF

11

REPORT MONTH/YEAR: 01/2014

6

PAGE

5.	TOTAL	No:	3	No:	4	No:	6	No:	в	No:	
	TOTAL WASH WATER	AREA (square foot)	160	AREA (square feet)	FILT RUN						
DAY	GALLONS	WASHWATER GALLONB	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	HRB
1	0										
· · · · ·	28,000	14,000	95.90	14,000	95.90						
	0	- CT ( 4 4									
3 '4	25,000					13,000	94.90	12,000	94.90		
6	0										
6 4 4	24,000	12,000	93.70	12,000	93,70						
<i>(</i> )	0										
8	28,000					14,000	94,30	14,000	94.30		
9	22,000	11,000	91.10	11,000	91.10						
10.	0									<u></u>	ļ
11	24,000					12,000	87.30	12,000	87.40		-
120	0										
13	24,000	12,000	91.10	12,000	91.10						
14	0					,			1		
16	36,000					18,000	91.00	18,000	91.20		
16	0								-		
17	31,000	16,000	91.80	15,000	91.90						-
18	0										
19	31,000					15,000	94.40	16,000	94.40		-
20	0										-
21	26,000	13,000	98,00	13,000	97.90					-	-
22	0										
23	34,000					17,000	98.70	17,000	98.70	Langue III	-
24	0										
26	28,000	14,000	95.40	14,000	95.40		-				+=
26	66,000					33,000	70.40	33,000	70.40		+
. 27	64,000				-	34,000	19.60	30,000	20.00		-
26	59,000					31,000	21.10	28,000	21.30	-	-
29	70,000					36,000	24.20	34,000	24.30		
_30		13,000	109.60	14,000	109.60				4		
314	5005	-					-		1		1
TOTAL	647,000	105,000	766.60	105,000	766.60	Tribes	695.90		696.90		0.00
AVERAG	20,871	13,125	95.825	13,125	95.825	22,300	69.590	21,400	69.690	#DIV/01	#DIV

COPY AS NEEDED

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 01/2014

PAGE 7 OF 11

31

Number of days of operation?

	CHEM	IICALS ADDED	300000000000000000000000000000000000000	DISTRIBUTION SYSTEM OPERATION  TEST RESULTS  TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppin)											
	CHLORINE	CHLORINE		NOF		TOTAL		HLORINE RESIDUAL EAS	(ppm)	WE	BT				
Y	BOOSTER LBS	BOOSTER LBS		T	F F	Ţ	F	J	F	Ţ	F				
200				1.38	1.32	1.62	1.60	1.55	1,52	1.69	1.63				
			1000	1,67	1.60	1.53	1.49	1.79	1.76	1,82	1,80				
			1000	1,63	1,56	1.79	1.73	1,75	1.66	1.35	1.28				
			2.77	1.41	1.34	1.22	1.15	1.52	1.46	1.67	1.59				
			1 1988	1.52	1.44	1.21	1.14	1.43	1.37	1.77	1.71				
				1.39	1.34	1.17	1.12	1.60	1.57	1.48	1,43				
				1,45	1.37	1.40	1.36	1.28	1.23	1.45	1.37				
		***		1.25	1.20	1.69	1.66	1.69	1.65	1.61	1,56				
200				1.74	1.69	1.61	1,57	1.53	1.47	1.44	1.40				
		(0)1100-		1,67	1.61	1.04	1.02	1.49	1,45	1.25	1,16				
<u>(8</u>			3,63	1.43	1.34	1.77	1.65	1.12	0.98	1.50	1,38				
500				1.82	1.75	1.79	1.71	1.19	1.10	0.75	0.67				
S (1)			<b>国经营销售</b>	1.54	1.46	1.69	1,65	1.60	1.55	1.61	1.55				
				1.52	1,46	1.55	1.38	1.58	1.55	1.36	1.31				
346				0.85	0.60	1,57	1.50	1.56	1.49	1.64	1.62				
				1,53	1.46	1.72	1.69	1.65	1.62	1.70	1.63				
			21.0	1,40	1.33	1.22	1.18	1.14	1.04	1.35	1.32				
				1,48	1,39	0.51	0.44	1.35	1.26	1.63	1.63				
100				1.31	1.26	1.06	0.99	1.55	1,46	1,14	1.09				
				0.87	0.79	1,48	1.41	1.64	1.58	1.67	1.64				
				1.65	1.56	1.75	1.71	1.71	1,62	1,77	1.73				
Y G				1.20	1,15	0.93	0.85	1.12	0.98	1.13	1.04				
	-Xi-ca			1.48	1,40	1.27	1.24	1.50	1.48	1.49	1.44				
				1.53	1,48	1.44	1.38	1.63	1.56	1.05	0.97				
				1,58	1,51	1.33	1.26	0.98	0.91	1.24	1,19				
				1.59	1.53	1.48	1.40	0.89	0,83	1.66	1.59				
	I		) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	1,67	1.58	0.68	0.64	1.57	1.50	1.78	1.72				
				1.53	1.49	1.32	1.19	1.67	1.55	1.60	1.53				
				1.43	1,33	1.32	1.22	1,40	1.34	1.68	1.61				
				1.18	1.12	1.68	1.49	1.62	1.53	1.85	1.58				
				1.63	1.54	1.37	1.31	1.63	1,56	1.69	1.59				
AGE	#DIV/01	#DIV/0I	Average	1.46	1.39	1.39	1.33	1.47	1.41	1.50	1.4				
W.	0.0	0.0	Yotal Minimum	0.65		0.51		0.89		0.75					
			Fraa Minimum		0.60		0.44		0.83		0.67				

Total # Less than 0.2 mg/L 0

Total # Less than 0.5 mg/L

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						: מו פאים	KTUOU	3213	
7	TURBIDITY R	REPORT				PLANT ID:	A		
	APPLICAB	LE TO ALL PLA	ANTS WITH FI	TRATION	Report Period	(MM/YYYY):	01/20	14	PAGE:
WS N	120 May 100 May	AUG. 444-75.3 (1996) AUG. 575-755 (1996)	County Water	THE RESERVE AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE P		` \-			8 OF <u>11</u>
AY E	· Hours Plant	* of Turnidity Samples Required.	2000	4 am < 0 am	8 ann Noon	Ngon +4 pm	4 pm - 8 pm	9 pm - Mid	Muximum.
n ko	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.048
200	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
55E) (6	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
3.	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
5	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
8	23.5	6	0.05	0.06	0.05	0.05	0.05	0.05	0.055
#.V	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
Ą	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
200		6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
9	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
1200	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.060
11	24.0		0.03	0.05	0.05	0.05	0.05	0.05	0.194
12	24.0	6	0.19	0.05	0.06	0.07	0.06	0.07	0.071
13	24.0	6		0.03	0.07	0.06	0.06	0.06	0.068
14,4	24.0	6	0.07	0.07	0.06	0.06	0.05	0.05	0.062
15	24.0	6	0.06		0.05	0.05	0.05	0.05	0.050
18	24.0	6	0.05	0.04	0.05	0.05	0.06	0.06	0.064
4	23.0	6	0.05	0.05		0.06	0.06	0.05	0.059
18	24.0	6	0.06	0.06	0.06	0.06	0.06	0.05	0.057
19	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
50	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
21	24.0	6	0.05	0.05	0.05		0.06	0.06	0.061
22,1	24.0	66	0.06	0.06	0.06	0.05	0.06	0.06	0.063
25 24	24.0	6	0.06	0.06	0.05	0.06		0.05	0.060
	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.060
26	24.0	6	0.05	0.05	0.05	0.05	0.05	0.08	0.399
26	24.0	6	0.13	0.21	0.21	0.40	0.19		0.503
57	24.0	6	0.12	0.34	0.22	0.47	0.31	0.50	0.708
28	23.5	6	0.71	0.25	0.44	0.57	0.07	0.14	0.467
29	23.0	6	0.26	0.30	0.41	0.47	0.26	0.10	0.110
30	24.0	6	0.08	0.08	0.10	0.10	0.11	0.10	0.110
31	24.0	6	0.11	0.11	0.11	0.10	0.10	400	0.708
Total	740.0	186	]		F 17 17 12 12 12 17 17 17 17 17 17 17 17 17 17 17 17 17	TAL # OF TURBIDITY	SAMPLES TAKEN	186	0.700
ARE '	YOU USING EITH	ER CONVENTION	IAL or DIRECT FI	LTRATION? (Y/	N)Y	J			
	pe of filtration besides ber of samples (		0.1 NT	J 26	0.3 NTU	10	1 NTU	0	
Nun					— 1 NTU		5 NTU		
	For slow sand fi	iltration, the numb	iei Oi sampies ei	the number of	hours the plant ope		• 3		
'NOT ot au	E: The "Number the next whole n	or Turbidity Sam number.	hiez Kedniten. (	THE HUMBER OF	nous are plant ope				
			inne ware taker	avery 4 hours	during plant oper	ration and in the	time frames note	d above.	
cen	tity that the abo	ve turbidity read	ara wele raver	Sold A linguis	during plant open	=:	00-01	0-11	22
	Signature of Prin	cipal Executive Of	figer or Authorized	Agent			Di	ate	

		APPLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATION	
INDIVIDUAL FILT	TER TURBIDITY	EXCEEDANCE REP	ORT		
PWS Name:		Martin County Water Dist	rict		
PWS ID: KY0800273					
PLANT ID:		Α			
Report Period (MM/YYYY): 01/2		014			
If any filter excee	eded any one of	the Individual filter t	turbidity triggers	below,	
		eet ), complete the fo			
the appropriate			7.00		PAGE 9 OF 11
n . Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (If known	Date and Time State was Contacted
1-26-14	5-	_			
1-27-14	5+6	See attached		Mer hanicaL	2-7-14
1-27-14 1-28-14 1-29-14	5+6	sheets		Mechanical Lailure	9:30AM
1-29-14	5	V		*	
Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Ma	<u> </u>				
***************************************					
					7
Trigger Levels:					

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

```
0.048415 0.044079 0.057627 0.056723 0.050958
                                                                               1.82
25/01/2014 12:45:00 PM
                                                                               1.82
                          0.048583 0.044309 0.057865 0.056501
                                                                 0.051386
25/01/2014 1:00:00 PM
                                    0.04483 0.058037
                                                        0.05666
                                                                 0.050936
                                                                               1.81
                          0.048286
25/01/2014 1:15:00 PM
                          0.048317 0.042666 0.057889 0.056505
                                                                0.051283
                                                                               1.83
25/01/2014 1:30:00 PM
                          0.048478 0.044148 0.057636 0.056191
                                                                               1.85
                                                                 0.050974
25/01/2014 1:45:00 PM
                                                                               1,85
                          0.048372 0.043637 0.057521 0.056329
                                                                0.051023
25/01/2014 2:00:00 PM
                                                                               1.86
                          0.048497 0.044351
                                                                 0.050199
                                             0.057392
                                                        0.05601
25/01/2014 2:15:00 PM
                          0.048748 0.043398 0.057913 0.056501
                                                                               1.87
                                                                 0.048897
25/01/2014 2:30:00 PM
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                                                                               1.88
                          0.048368 0.044088 0.058057 0.056442
25/01/2014 2:45:00 PM
                                                                               1.88
                          0.048078 0.043163 0.058128 0.056329
25/01/2014 3:00:00 PM
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                          0.048039
25/01/2014 3:15:00 PM
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25/01/2014 3:30:00 PM
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                          0.048137 0.043495 0.058109
25/01/2014 3:45:00 PM
                          0.047961 0.043006 0.057154 0.055562 0.051478
                                                                               1.88
25/01/2014 4:00:00 PM
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25/01/2014 4:15:00 PM
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                                    0.043812 0.057727
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                          0.048133  0.043812  0.057292  0.055491
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25/01/2014 4:30:00 PM
                                                                               1.88
                                                        0.05557 0.050795
                          0.048118 0.043343 0.057044
25/01/2014 4:45:00 PM
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                          0.047969 0.043909 0.057388 0.055797
                                                                 0.050627
25/01/2014 5:00:00 PM
                                                       0.055462 0.047292
                                                                               1.96
                                    0.043646 0.057435
25/01/2014 5:15:00 PM
                          0.047918
                          0.050646 0.046432 0.057407 0.055214 0.049152
                                                                               2.02
25/01/2014 5:30:00 PM
                          2.01
25/01/2014 5:45:00 PM
                          0.050446 0.231759 0.139568 0.057062 0.050323
                                                                               2.35
25/01/2014 6:00:00 PM
                                                         0.05591 0.050714
25/01/2014 6:15:00 PM
                           0.049902 0.291312 0.134508
                                                         0.05552 0.050833
                           0.120769 0.299673 0.132922
25/01/2014 6:30:00 PM
                                                                               2.44
                           0.093973  0.270005  0.206755  0.054745  0.050302
25/01/2014 6:45:00 PM
                                                                               2.34
                           0.076973 0.151114 0.168307 0.054159
                                                                  0.05015
25/01/2014 7:00:00 PM
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                                                                               2.25
                                                                   0.05034
25/01/2014 7:15:00 PM
                           0.06877
                                                                                2.18
                                                                   0.04881
                                              0.111703 0.052328
                           0.063944 0.084995
25/01/2014 7:30:00 PM
                                                                                2.13
                           0.061545 0.076068 0.100676
                                                                  0.048534
                                                        0.051264
25/01/2014 7:45:00 PM
                                                        0.050635
                                                                 0.047666
                                                                                2.08
                                      0.07174 0.094049
                           0.059917
25/01/2014 8:00:00 PM
                                                         0.04999 0.047135
                                                                                2.05
                           0.058344 0.068112 0.090556
25/01/2014 8:15:00 PM
                                      0.06832 0.087981 0.049542 0.046234
                                                                                2.03
25/01/2014 8:30:00 PM
                           0.057498
                                              0.086519 0.049424 0.046479
                           0.056653 0.064397
25/01/2014 8:45:00 PM
                                                                                2.01
                                                        0.049596
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                                               0.08445
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25/01/2014 9:00:00 PM
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                           0.057119 0.062224 0.082653
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25/01/2014 9:15:00 PM
                           0.072292 0.062251 0.081746 0.136195 0.045866
25/01/2014 9:30:00 PM
                                              0.079825
                                                        0.116508 0.045947
                           0.078475 0.058937
25/01/2014 9:45:00 PM
                                                        0.14268 0.046511
                           0.082397 0.060235 0.078554
25/01/2014 10:00:00 PM
                                                        0,164013 0.046516
                                    0.05802 0.077116
25/01/2014 10:15:00 PM
                           0.088936
                                                                                1.96
                           0.093312  0.057698  0.076409  0.187207  0.046798
 25/01/2014 10:30:00 PM
                                                                                1.96
                                                         0.20526 0.047064
                           0.097965 0.055143 0.076065
 25/01/2014 10:45:00 PM
                                                                                1.95
                                                         0.22462 0.047243
                           0.103632 0.054968 0.075649
 25/01/2014 11:00:00 PM
                                                                                1.95
                                                         0.24447 0.047357
                           0.107185 0.053849 0.075257
 25/01/2014 11:15:00 PM
                                                                                1.95
                           0.112747 0.055493 0.073637
                                                        0.257805
                                                                  0.047791
 25/01/2014 11:30:00 PM
                                     0.05337 0.073332 0.273152
                                                                   0.04797
                                                                                1.95
                           0.116144
 25/01/2014 11:45:00 PM
```

On 1/24/14 - The Motor and Gear box that turns

The Rake in \$3 Clarifier went Down.

This is what Keeps the Sludge Blanket

going in order to keep Turbidity Low on

Top of Filters.

Time	Combined	Turb # 3	Turb # 4	Turb # 5	Turb#6	Post CL2
26/01/2014 12:00:00 AM	0.118762	0.052937	0.072734	0.290044	0.048496	1.95
26/01/2014 12:15:00 AM	0.123411	0.053269	0.071956	0.299223	0.047688	1.94
26/01/2014 12:30:00 AM	0.127254	0.054093	0.072037	0.31369	0.048675	1.93
26/01/2014 12:45:00 AM	0.131133	0.052951	0.071263	0.326397	0.048219	1.93
26/01/2014 1:00:00 AM	0.135175	0.051722	0.070914	0.342577	0.04816	1.92
26/01/2014 1:15:00 AM	0.139394	0.054217	0.070814	0.353223	0.048301	1.92
26/01/2014 1:30:00 AM	0.143073	0.051676	0.070293	0.369767	0.048349	1.91
26/01/2014 1:45:00 AM	0.147722	0.053306	0.070236	0.381854	0.048425	1.9
26/01/2014 2:00:00 AM	0.142909	0.051455	0.069495	0.392496	0.048284	1.98
26/01/2014 2:15:00 AM	0.157369	0.051634	0.068931	0.379684	0.04785	2.04
26/01/2014 2:30:00 AM	0.161674	0.049342	0.06756	0.41235	0.047682	2
26/01/2014 2:45:00 AM	0.163647	0.050405	0.068305		0.048111	1.96
26/01/2014 3:00:00 AM	0.163729	0.050893	0.069065	0.453617	0.048881	1.93
26/01/2014 3:15:00 AM	0.171478	0.051312	0.069361	0.457589	0.048583	1.9
26/01/2014 3:30:00 AM	0.173125	0.051699	0.068941	0.472537	0.048756	
26/01/2014 3:45:00 AM	0.178076	0.05192	0.069342		0.049526	
26/01/2014 4:00:00 AM	0.184612	0.049719	0.06852		0.049575	
26/01/2014 4:05:00 AM	0.190494	0.048697	0.067426		0,050312	
26/01/2014 4:30:00 AM	0.194822	0.04814			0.050931	
26/01/2014 4:45:00 AM	0.200634	0.044019	0.06734		0.050659	
26/01/2014 5:00:00 AM	0.202622	0.044199			0.050594	
26/01/2014 5:15:00 AM	0.202022	0.044185			0.051934	
26/01/2014 5:30:00 AM	0.213917	0.049742			0.051728	
26/01/2014 5:45:00 AM	0.731555	0.051252				
26/01/2014 6:00:00 AM	0.706884	0.052928				
26/01/2014 6:15:00 AM	0.699049	0.052836				
26/01/2014 6:30:00 AM	0.701726	0.050005				
26/01/2014 6:45:00 AM	0.108837	0.051547				
26/01/2014 7:00:00 AM	0.056438	0.051188				
26/01/2014 7:00:00 AM	0.000700	0.051648				
26/01/2014 7:30:00 AM	0.148709					
26/01/2014 7:45:00 AM	0.149703					1.94
26/01/2014 8:00:00 AM	0.138146					1.95
26/01/2014 8:15:00 AM	0.13307					3 1.94
26/01/2014 8:30:00 AM	0.133743					
26/01/2014 8:45:00 AM	0.131453					
26/01/2014 9:00:00 AM	0.130244					1.91
26/01/2014 9:15:00 AM	0.135747					1.92
26/01/2014 9:30:00 AM	0.173478				0.083744	1.89
26/01/2014 9:45:00 AM	0.171263				0.068647	7 1.88
26/01/2014 10:00:00 AM					0.066244	1.87
26/01/2014 10:15:00 AM				0.519963	0.179314	
26/01/2014 10:30:00 AM					0.193489	
26/01/2014 10:45:00 AM				7 1,82607	0.36115	3 1.85
26/01/2014 11:00:00 AM				7 0.645667	0.26315	5 1.84
26/01/2014 11:15:00 AM						7 1.84
26/01/2014 11:30:00 AM						9 1.83
26/01/2014 11:45:00 AM						2 1.83
26/01/2014 11:43:00 AM 26/01/2014 12:00:00 PM						1 1.83
26/01/2014 12:15:00 PM						3 1.83
26/01/2014 12:30:00 PM						1 1.84
20/01/2014 12.30.00 PW	, 5.552556					

6:04 AM #Sand = 6 filter wash

26/01/2014 12:45:00 PM	0.396486	0.050626	0.062787	1.30769	0.275194	1.83	
26/01/2014 1:00:00 PM	0.387958	0.049788	0.063613	1.30588	0.259718	1.82	
26/01/2014 1:15:00 PM	0.393308	0.049646	0.063069	1.31145	0.263031	1.82	
26/01/2014 1:30:00 PM	0.399131	0.051344	0.062261	1.36319	0.298951	1.81	
26/01/2014 1:45:00 PM	0.401945	0.049945	0.061372	1.37433	0.300356	1.8	
26/01/2014 2:00:00 PM	0.411541	0.04901	0.061559	1.38467	0.316244	1.79	
26/01/2014 2:15:00 PM	0.417404	0.048775	0.06078	1.4019	0.300236	1.78	
26/01/2014 2:30:00 PM	0.419572	0.047551	0.060856	1,30609	0.272157	1.76	
26/01/2014 2:45:00 PM	0.427289	0.047983	0.060259	1.34108	0.256106	1.75	
26/01/2014 3:00:00 PM	0.425094	0.04692	0.060068	1.33955	0.256675	1.75	
26/01/2014 3:15:00 PM	0.428514	0.047408	0.060388	1.34773	0.249409	1.74	
26/01/2014 3:30:00 PM	0.431078	0.047325	0.060842	1.36058	0.254219	1.73	
26/01/2014 3:45:00 PM	0.434036	0.048389	0.060493	1.36538	0.260824	1.74	
26/01/2014 4:00:00 PM	0.476886	0.047739	0.06111	1.37144	0.264246	1.74	
26/01/2014 4:15:00 PM	0.461831	0.047795	0.061095	1.37621	0.297633	1.75	
26/01/2014 4:30:00 PM	0.463952	0.050134	0.061253	1.39231	0.317942	1.74	
26/01/2014 4:45:00 PM	0.463373	0.048554	0.061186	1.39843	0.317177	1.75	
26/01/2014 5:00:00 PM	0.486432	0.049088	0.06174	1.40468	0.323229	1.77	
26/01/2014 5:15:00 PM	0.474053	0.049061	0.061521	1.39482	0.321233	1.81	
26/01/2014 5:28:03 PM	51.77.000		*****				5:33 gm Sand & G Filter wash
26/01/2014 5:30:00 PM	0.459197	0.048301	0.060966	1.24604	0.318641	1.85	
26/01/2014 5:45:00 PM	0.063455	0.047735	0.060952	1.22595	0.302568	1.86	Sand 6
26/01/2014 6:00:00 PM	0.05515	0.048076	0.061258	1.13766	0.303886	2.09	نا س
26/01/2014 6:15:00 PM	0.143347	0.047449	0.061291	1.14366	0.55426	2.28	filter was "
26/01/2014 6:30:00 PM	0.07736	0.048619	0.059939	1.1155	0.445252	2.38	
26/01/2014 6:45:00 PM	0.142521	0.046708	0.059199	0.98741	0.445214	2.4	
26/01/2014 7:00:00 PM	0.218546	0.047095	0.058162	0.95916	0.438164	2.32	
26/01/2014 7:15:00 PM	0.140795	0.044774	0.056943	0.506502	0.231291	2.18	
26/01/2014 7:30:00 PM	0.112367	0.044047	0.055835	0.297728	0.1588	2.09	
26/01/2014 7:45:00 PM	0.105581	0.042993	0.055128	0.241763	0.114762	2.02	
26/01/2014 8:00:00 PM	0.097699	0.042914	0.054674	0.229526	0.088445	1.97	
26/01/2014 8:15:00 PM	0.093535	0.043798	0.055132	0.216102	0.08043	1.95	
26/01/2014 8:30:00 PM	0.093057	0.044411	0.055973	0.217363	0.070805	1.9	
26/01/2014 8:45:00 PM	0.092662	0.045645	0.056437	0.215038	0.068565	1.88	
26/01/2014 9:00:00 PM	0.092693	0.044314	0.05724	0.217577	0.063191	1.85	
26/01/2014 9:15:00 PM	0.095112	0.045378	0.056972			1.83	
26/01/2014 9:30:00 PM	0.096407	0.046943	0.057058	0.228855	0.059564	1.81	
26/01/2014 9:45:00 PM	0.098407	0.045576	0.057077	0.234683	0.059461	1.8	
26/01/2014 10:00:00 PM	0.101241	0.045686	0.057693	0.241964	0.057785	1.8	
26/01/2014 10:15:00 PM	0.103867	0.047302	0.057679	0.254977	0.057237	1.8	
26/01/2014 10:30:00 PM	0.105569	0.045672	0.057622	0.258475	0.056982	1.79	
26/01/2014 10:45:00 PM	0.107213	0.045884	0.05745	0.268853		1.79	
26/01/2014 11:00:00 PM	0.107878	0.046971	0.057928	0.275607		1.78	
26/01/2014 11:15:00 PM	0.109263	0.047809	0.058066	0.281397		1.78	
26/01/2014 11:30:00 PM	0.11113	0.046216		0.286642		1.79	
26/01/2014 11:45:00 PM	0.115627	0.04704	0.057913	0.289307	0.055263	1.81	

					T	D+ 01 0	
Time	Combined					Post CL2	
27/01/2014 12:00:00 AM	0.114461	0.0475	0.058472		0.055404	1.81	
27/01/2014 12:15:00 AM	0.114938	0.047146		0.306061	0.05509	1.83	
27/01/2014 12:30:00 AM	0.117881	0.045741	0.057975	0.309923		1.84	
27/01/2014 12:45:00 AM	0.120194	0.046289	0.058037	0.314909		1.85	
27/01/2014 1:00:00 AM	0.123262	0.045958	0.058248	0.322475		1.85	
27/01/2014 1:15:00 AM	0.131183	0.046211	0.057861	0.335115		1.85	
27/01/2014 1:30:00 AM	0.288596	0.045953	0.058276	0.37265		1.85	
27/01/2014 1:45:00 AM	0.290283	0.046819	0.058267	0.904478		1.85	
27/01/2014 2:00:00 AM	0.296415	0.046722	0.058319	0.984251	0.058983	1.85	
27/01/2014 2:15:00 AM	0.303663	0.045866		0.999757		1.85	
27/01/2014 2:30:00 AM	0.308176	0.046008	0.058004	1.01826		1.85	
27/01/2014 2:45:00 AM	0.316511	0.046077	0.057722	1.0374		1.85	
27/01/2014 3:00:00 AM	0.321783	0.047652	0.057827	1.07297		1.85	
27/01/2014 3:15:00 AM	0.325164	0.047514	0.057789	1.07964		1.85	
27/01/2014 3:30:00 AM	0.32628	0.047325	0.057899	1.09347		1.84	
27/01/2014 3:45:00 AM	0.331998	0.046344	0.057392	1.0978		1.85	
27/01/2014 4:00:00 AM	0.335704	0.0468	0.057593	1.13264		1.85	
27/01/2014 4:15:00 AM	0.341179	0.045506	0.057789	1.15615		1.84	(00)
27/01/2014 4:30:00 AM	0.421153	0.048283	0.057756	1,1612		1.84	MIDA A W
27/01/2014 4:45:00 AM	0.396666	0.045902	0.057493	1.12196		1.75	5:00 AM  # Sand # 6  filter wash
27/01/2014 5:00:00 AM	0.369153	0.046616	0.057541	1.02678		1.7	# 6 1 4 6
27/01/2014 5:15:00 AM	0.400567	0.04622	0.057665	1.07301	0.08216	1.7	J4R4 P
27/01/2014 5:30:00 AM	0.070507	0.045654	0.057842	0.906711	0.063246	1.81	Ciler wash
27/01/2014 5:45:00 AM	0.051757	0.046303	0.057822	0.925568	0.388725	1.86	7.1701
27/01/2014 6:00:00 AM	0.213651	0.047146	0.057904	1.50515	0.366291	1.89	
27/01/2014 6:15:00 AM	0.145292	0.046312	0.057865	0.452457	0.326618	1.9	
27/01/2014 6:30:00 AM	0.124382	0.047242	0.057025	0.331604	0.14398	1.91	
27/01/2014 6:45:00 AM		0.045787		0.314691	0.103868	1.9	
27/01/2014 7:00:00 AM		0.045778	0.057039	0.289776	0.085907	1.9	
27/01/2014 7:15:00 AM	0.110551	0.045341	0.057158	0.283856	0.076537	1.89	
27/01/2014 7:30:00 AM	0.108551	0.046041	0.057402	0,278552	0.069075	1.88	
27/01/2014 7:45:00 AM		0.044945	0.057025	0.283328	0.064883	1.88	
27/01/2014 8:00:00 AM		0.046395	0.057464	0.282943	0.062232	1.87	
27/01/2014 8:15:00 AM	0.231763			0.284794		1.86	
27/01/2014 8:30:00 AM	0.159526		0.057732	0.512799	0.05887	1.86	
27/01/2014 8:45:00 AM		0.046234	0.057732	0.488387	0.058598		
27/01/2014 9:00:00 AM	0.211925	0.046294	0.057163	0.499719	0.21222	1.85	
27/01/2014 9:15:00 AM	0.216695	0.04605			0.228358		
27/01/2014 9:30:00 AM	0.219705	0.04645	0.057397		0.233737		
27/01/2014 9:45:00 AM	0.222797	0.044461			0.239968		
27/01/2014 10:00:00 AM	0.247906	0.046704	0.057364	0.562052	0.243449	1.84	
27/01/2014 10:15:00 AM	0.30308	0.045152	0.056862	0.794602	0.243444	1.84	
27/01/2014 10:30:00 AM	0.302223	0.046308	0.057206	0.940667	0.25083	1.84	
27/01/2014 10:45:00 AM		0.045474			0.251811	1.83	
27/01/2014 11:00:00 AM		0.045355			0.256079	1.82	
27/01/2014 11:15:00 AM		0.045649			0.256225	1.82	
27/01/2014 11:30:00 AM		0.045161					
27/01/2014 11:45:00 AM		0.046667			0.263063		
27/01/2014 11:40:00 AM 27/01/2014 12:00:00 PM		0.048545					
27/01/2014 12:00:00 PM	0.440717						
27/01/2014 12:30:00 PM	0.444314						
2/10/12014 12.30,00 FW	0,777017	0.04000	0.000027	,,5,,000			

		0.044505	0.055005	4 55040	0.074906	1.78	
27/01/2014 12:45:00 PM	0.451045	0.044535	0.055285		0.274896		
27/01/2014 1:00:00 PM	0.459972	0.044959	0.055376	1.57728	0.27989	1.78	
27/01/2014 1:15:00 PM	0.467682	0.045157	0.054669	1.58357	0.292129	1.79	
27/01/2014 1:30:00 PM	0.472519	0.045037	0.054502	1.61405	0.296251	1.8	
27/01/2014 1:45:00 PM	0.474804	0.045815	0.054473	1.6253	0.295296	1.8	
27/01/2014 2:00:00 PM	0.479415	0.044125	0.054282	1.63591	0.299895	1.8	
27/01/2014 2:15:00 PM	0.58615	0.044484	0.054129	1.64157	0.300345	1.81	
27/01/2014 2:30:00 PM	0.512899	0.044922	0.053819	1.90101	0.304916	1.82	
27/01/2014 2:45:00 PM	0.552454	0.044116	0.0539	1.7877	0.304314	1.83	3:22 pm = Sand & 6 f. Iter wash
27/01/2014 3:00:00 PM	0.529469	0.04546	0.053446	1.77797	0.300009	1.87	2 1 4 les
27/01/2014 3:15:00 PM	0.520002	0.045055	0.053188	1.58532	0.2829	1.91	gara
27/01/2014 3:30:00 PM	0.057001	0.045396	0.053145	2.06756	0.278556	1.92	CItar wash
27/01/2014 3:45:00 PM	0.050951	0.044282	0.052963	1.54521	0.329481	1.91	4:1101
27/01/2014 4:00:00 PM	0.051683	0.046128	0.052075	1.01248	0.945257	2.32	
27/01/2014 4:15:00 PM	0.130017	0.043541	0.042519	0.96588	0.708294	2.44	
27/01/2014 4:30:00 PM	0.162128	0.04337	0.046456	1.01817	0.67958	2.52	
27/01/2014 4:45:00 PM	0.323415	0.04331	0.045128	0.992178		2,49	
27/01/2014 5:00:00 PM	0.372217	0.04128	0.045099	0.708255	0.28592	2.32	
27/01/2014 5:15:00 PM	0.310034	0.042362		0.668538		2.22	
	0.296505	0.040534		0.684333		2.13	
27/01/2014 5:30:00 PM	0.290303	0.040334		0.693973		2.06	
27/01/2014 5:45:00 PM		0.042173		0.691183		2.01	
27/01/2014 6:00:00 PM	0.297327			0.697412		2.03	
27/01/2014 6:15:00 PM	0.416922	0.043297		0.711636		2.07	
27/01/2014 6:30:00 PM	0.338494	0.041018	0.043493	0.711030	0.420703	2.02	
27/01/2014 6:45:00 PM	0.318022	0.04262		0.722731	0.440325	1.98	
27/01/2014 7:00:00 PM	0.326468	0.042486			0.443303	1.94	
27/01/2014 7:15:00 PM	0.329101	0.042721	0.043656	0.780161		1.92	
27/01/2014 7:30:00 PM	0.359193	0.043987	0.040804	0.80459	0.47088	1.92	
27/01/2014 7:45:00 PM	0.358207	0.043347	0.045333	0.866692			
27/01/2014 8:00:00 PM	0.367869	0.042136	0.045773	0.908512	0.494941	1.89	
27/01/2014 8:15:00 PM	0.378835	0.043835	0.046308	0.942155	0.513459	1.87	
27/01/2014 8:30:00 PM	0.394165	0.04396	0.045624	0.968293	0.526284	1.87	
27/01/2014 8:45:00 PM	0.504888	0.043168	0.045386	0.999874		1.86	
27/01/2014 9:00:00 PM	0.503914	0.043076	0.044478	1.02702		1.86	
27/01/2014 9:15:00 PM	0.513431	0.043729	0.045147	1.05507		1.86	
27/01/2014 9:30:00 PM	0.530769	0.044323	0.046164	1.15532		1.86	
27/01/2014 9:45:00 PM	0.539911	0.044972	0.045424	1.13858	1.00771	1.86	
27/01/2014 10:00:00 PM	0.557808	0.0439	0.045113	1,17141	1.03407	1.86	
27/01/2014 10:15:00 PM	0.610817	0.04546	0.041893	1.179	1.05373	1.85	
27/01/2014 10:30:00 PM	0.616613	0.043126	0.04368	1.34308		1.85	
27/01/2014 10:45:00 PM	0.634698	0.04302	0.0468	1.38525		1.86	
27/01/2014 11:00:00 PM	0.640341	0.04523	0.04679	1.43356		1.87	
27/01/2014 11:15:00 PM	0.647456	0.043946	0.045132	1.47599		1.87	4
27/01/2014 11:30:00 PM	0.659667	0.043835	0.045032	1.4802		1.88	
27/01/2014 11:45:00 PM	0.664046			1.50641	1.13742	1.88	
21/01/2011 11/10/00 1 10/							

Time	Combined					Post CL2	
28/01/2014 12:00:00 AM	0.669642	0.044926	0.043618	1.51629	1.15597	1.88	
28/01/2014 12:15:00 AM	0.680784	0.043112	0.043823	1.54159	1.14957	1.88	
28/01/2014 12:30:00 AM	0.704861	0.043472	0.047526	1.55861	1.16465	1.88	
28/01/2014 12:45:00 AM	0.710097	0.04587	0.046174	1.59555	1.20101	1.88	
28/01/2014 1:00:00 AM	1.05733	0.044609	0.045682	1.55479	1.1584	1.81	,
28/01/2014 1:15:00 AM	0.942717	0.044452	0.046126	1.86458	1.17064	1.75	3
28/01/2014 1:30:00 AM	0.975939	0.044259	0.047101	2.19935	0.965229		¥
28/01/2014 1:45:00 AM	1.33512	0.043748	0.045983	1.795	1.20494	1.73	
28/01/2014 2:00:00 AM	0.060774	0.043352	0.047421	1.40644	1.40233	1.93	
28/01/2014 2:15:00 AM	0.289547	0.045313	0.047206	1.33486	1,44122	1.98	
28/01/2014 2:30:00 AM	0.15407	0.045594	0.045897	0.844626	1.37326	1.97	
28/01/2014 2:45:00 AM	0.246126	0.044475	0.045524	0.315114	0.357257	1.95	
28/01/2014 3:00:00 AM	0.19638	0.045686	0.046203	0.606	0.149343	1.94	
28/01/2014 3:15:00 AM	0.193136	0.043117	0.046198	0.590189	0.112441	1.92	
28/01/2014 3:30:00 AM	0.189011	0.045069	0.045371	0.678932	0.093163	1.9	
28/01/2014 3:45:00 AM	0.195088	0.045258	0.045873	0.629035	0.07998	1.89	
28/01/2014 4:00:00 AM	0.210019	0.043264	0.045529	0.65708		1.88	
28/01/2014 4:15:00 AM	0.237715	0.04279	0.045008	0.727138		1.85	
28/01/2014 4:30:00 AM	0.2415	0.043955	0.044444	0.830951	0.06894		
28/01/2014 4:45:00 AM	0.245057		0.043947	0.837889			
28/01/2014 5:00:00 AM	0.288604	0.044434	0.044564	0.861493			
28/01/2014 5:15:00 AM	0.3058	0.047021	0.042466	1.03154			
28/01/2014 5:30:00 AM	0.306579	0.045106	0.04302		0.06612		
28/01/2014 5:45:00 AM	0.30598	0.04407	0.044306				
28/01/2014 6:00:00 AM	0.35877	0.04453	0.045558				
28/01/2014 6:15:00 AM	0.339551	0.0436	0.044459				
28/01/2014 6:30:00 AM	0.348329	0.04576	0.043608				
28/01/2014 6:45:00 AM	0.354595	0.044503	0.044115				
28/01/2014 7:00:00 AM	0.404477	0.043927	0.043981	1.45814			
28/01/2014 7:15:00 AM	0.376957	0.044024					
28/01/2014 7:30:00 AM	0.392815	0.04564					
28/01/2014 7:45:00 AM	0.397675	0.044365	0.041721	1.49248			
28/01/2014 8:00:00 AM	0.394028	0.042647	0.042872				
28/01/2014 8:15:00 AM	0.401667	0.046133	0.046102				
28/01/2014 8:30:00 AM	0.400114	0.044995					
28/01/2014 8:45:00 AM	0.40609						
28/01/2014 9:00:00 AM	0.451601	0.042588					
28/01/2014 9:15:00 AM	0.434393						
28/01/2014 9:30:00 AM	0.438596						
28/01/2014 9:45:00 AM	0.449194						
28/01/2014 10:00:00 AM	0.532913						
28/01/2014 10:15:00 AM	0.475998						
28/01/2014 10:30:00 AM	0.486209						
28/01/2014 10:45:00 AM	0.498098	0.042914					
28/01/2014 11:00:00 AM	0.499957	0.046358					
28/01/2014 11:15:00 AM	0.53595	0.043361	0.038864				
28/01/2014 11:30:00 AM	0.544466	0.04291					
28/01/2014 11:45:00 AM	0.550301	0.046211	0.046131				
28/01/2014 12:00:00 PM	0.554818	0.04401	0.045615				
28/01/2014 12:15:00 PM	0.559663	0.044392	0.041912	2.15018			
28/01/2014 12:30:00 PM	0.566429	0.044121	0.04507	2.17408	0.076754	1.8	

1:17 Am #Sand # 6 f: 14cr was

	. ==	0.040004	0.040040	0.40000	0.077627	1.8	
28/01/2014 12:45:00 PM		0.042601	0.046843	2.19099	0.077361	1.79	
28/01/2014 1:00:00 PM		0.043909	0.045658	2.19799	0.077301	1.78	
28/01/2014 1:15:00 PM	0.575454	0.04221	0.045687	2.19358		4 70	
28/01/2014 1:30:00 PM	0.580385	0.0446	0.045777	2.21763		1.78	1.550W
28/01/2014 1:45:00 PM	0.584091	0.044429	0.045481	2.24202	0.080897	1.77	1:55 p vi 55 and 46 5:14er was:
28/01/2014 2:00:00 PM		0.041694	0.044186	2.28307	0.082225	1.77	5 and 4
28/01/2014 2:15:00 PM	0.572671	0.044682	0.043986	2.21273	0.085029	1.70	
28/01/2014 2:30:00 PM		0.045497	0.044497	1.99735	0.081851	1.8	filter was
28/01/2014 2:45:00 PM	0.05969	0.043011	0.043637	2.65511	0.090652		
28/01/2014 3:00:00 PM	0.052571	0.044641	0.041128	1.61436	0.163437	1.82	
28/01/2014 3:15:00 PM	0.054391	0.041575	0.04249	0.894997	0.938598	1.8	
28/01/2014 3:30:00 PM	0.319071		0.0426	0.856788	1.112	1,77	
28/01/2014 3:45:00 PM		0.041087		0.588136	0.907352	1.64	
28/01/2014 4:00:00 PM		0.041519		0.311608	0.253622	1.64	
28/01/2014 4:15:00 PM		0.041248		0.223593	0.148963	1.69	
28/01/2014 4:30:00 PM	0.084702	0.041119	0.039509	0.189436	0.118889	1.73	
28/01/2014 4:45:00 PM	0.077622	0.040801	0.037918	0.166137	0.094356	1,75	
28/01/2014 5:00:00 PM	0.072057	0.041768	0.03775	0.162442	0.080984	1.76	
28/01/2014 5:15:00 PM	0.070785	0.040921	0.043212	0.149576	0.072757	1.78	
28/01/2014 5:30:00 PM	0.070969	0.04099	0.04132	0.149974	0.067378	1.79	
28/01/2014 5:45:00 PM	0.067502	0.041174	0.043379	0.145177	0.066358	1.8	
28/01/2014 6:00:00 PM	0.066742	0.041883	0.043914	0.141226	0.06234	1.81	
28/01/2014 6:15:00 PM	0.068128	0.041634	0.044435	0.138993	0.060296	1.81	
28/01/2014 6:30:00 PM	0.067791	0.041367	0.042958	0.14064	0.05926	1.82	
28/01/2014 6:45:00 PM	0.068895	0.042739	0.044153	0.142479	0.058821	1.82	
28/01/2014 7:00:00 PM	0.067267	0.04209	0.041363	0.146719	0.057324	1.82	
28/01/2014 7:15:00 PM	0.07037	0.043918	0.044736	0.156464	0.057102	1.84	
28/01/2014 7:30:00 PM	0.071423	0.043071	0.043078	0.157038	0.056738	1.85	
28/01/2014 7:45:00 PM	0.075951	0.043798	0.045156	0.161148	0.056592	1.85	
28/01/2014 8:00:00 PM	0.074793	0.046602	0.045854	0.167972	0.055713	1.86	
28/01/2014 8:15:00 PM	0.072695	0.042187	0.045777	0.174697	0.055621	1.87	
28/01/2014 8:30:00 PM	0.076937	0.044742	0.044559	0.176326	0.054857	1.87	
28/01/2014 8:45:00 PM	0.153925	0.042974	0.043503	0.182255	0.054743	1.87	
28/01/2014 9:00:00 PM	0.133093	0.042362		0.430411	0.054705	1.88	
28/01/2014 9:15:00 PM	0.135391	0.042537		0.415987	0.054439	1.88	
28/01/2014 9:30:00 PM	0.13725	0.045262		0.426683	0.055638	1.88	
28/01/2014 9:45:00 PM	0.141672			0.435363	0.054428	1.88	
28/01/2014 10:00:00 PM	0.144224			0.449817	0.055079	1.88	
28/01/2014 10:15:00 PM	0.145104	0.04372	0.04582	0.459156	0.054472	1.89	
28/01/2014 10:30:00 PM	0.149538	0.042035		0.477272	0.05343	1.89	
28/01/2014 10:45:00 PM	0,161091	0.042684		0.492115	0.054238	1.88	
28/01/2014 11:00:00 PM	0.241214	0.04337		0.832229	0.054596	1.88	
28/01/2014 11:15:00 PM	0.249687	0.044972		0.900632		1.88	
28/01/2014 11:30:00 PM	0.254454	0.041262		0,933013		1.88	
28/01/2014 11:45:00 PM	0.26432	0.044461		0.938145		1.88	
20/01/2014 11,40,001 10	V.20-102	5.571191					

					Trade 20 A	Dank OLO	
Time	Combined Turl					Post CL2	
29/01/2014 12:00:00 AM	0.26442		0.0455	0.967501	0.054575	1.8	
29/01/2014 12:15:00 AM				0.988638	0.054992	1.8	
29/01/2014 12:30:00 AM				1.00385	0.05426	1.8	
29/01/2014 12:45:00 AM				1.04179		1.8	
29/01/2014 1:00:00 AM	0.28058			1.05692		1.8	
29/01/2014 1:15:00 AM		5 0.044705		1.05983		1.8	
29/01/2014 1:30:00 AM		2 0.044153		1.07086		1.8	
29/01/2014 1:45:00 AM		7 0.041634		1.08488		1.8	
29/01/2014 2:00:00 AM	0.29273			1.12067		1.8	
29/01/2014 2:15:00 AM	0.29339			1.1153		1.8	
29/01/2014 2:30:00 AM	0.29974			1.13611		1.8	
29/01/2014 2:45:00 AM				1.15972		1.8	
29/01/2014 3:00:00 AM	0.30789			1.14431	0.057709	1.1	
29/01/2014 3:15:00 AM	0.29447			1.21037		1.3	⁷ 6
29/01/2014 3:30:00 AM	0.15625			0.974523		1.1	15 3:45 A m
29/01/2014 3:45:00 AM	0.052461			0.916963		1.	4 sand st
29/01/2014 4:00:00 AM	0.049553			1.33579		1.	73
29/01/2014 4:15:00 AM	0.049197	7 0.041929		1.07313		1.9	75 3:45 4 m 74 = 5 and = 1 /2 73 = f. I for was h
29/01/2014 4:30:00 AM	0.047581	4 0.04332					, ,
29/01/2014 4:45:00 AM	0.13670	9 0.041773		0.756657			
29/01/2014 5:00:00 AM	0.049753						
29/01/2014 5:15:00 AM	0.28348	31 0.041717					
29/01/2014 5:30:00 AM	0.29313	6 0.039093	0.042586				2
29/01/2014 5:45:00 AM	0.328	31 0.041731	0.040163	0.574285			
29/01/2014 6:00:00 AM	0.31794	8 0.037597	0.040655	0.720363			
29/01/2014 6:15:00 AM	0.3097	3 0.039434	0.042801	0.751508			32
29/01/2014 6:30:00 AM	0.3119	7 0.042634	0.040947				0
29/01/2014 6:44:23 AM	0.3656	7 0.038996	0.041678	0.746598	0.410302		76
29/01/2014 6:45:00 AM	0.3764	6 0.037578	0.042084	0.751261	0.412319		76
29/01/2014 7:00:00 AM	0.4292	74 0.039006					9 Electricity 89 Blinkdafew
29/01/2014 7:15:00 AM	0.3500	98 0.036796	0.035352	0.781556		1	9 Clectricing
29/01/2014 7:30:00 AM	0.3852	0.039867	0.040335			1.	89 Blinkdafew
29/01/2014 7:45:00 AM	0.3573	26 0.039319	0.036112	0.942046	0.327453	1.	7: mes then
29/01/2014 8:00:00 AM	Bad	Bad	Bad	Bad	Bad	Bad	Times then .
29/01/2014 8:09:06 AM						_	at 8:30 AM.
29/01/2014 8:15:00 AM	Bad	Bad	Bad	Bad	Bad	Bad	at the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
29/01/2014 8:30:00 AM	Bad	Bad	Bad	Bad	Bad	Bad	Onagain
29/01/2014 9:26:04 AM		Bad	Bad	Bad	Bad	Bad	
29/01/2014 9:30:00 AM		09 Bad	0.046919		0.460549		0 9:27 Am
29/01/2014 9:45:00 AM		58 Bad <b>ふら</b> つ			0.487522		77 
29/01/2014 10:00:00 AN		36 Bad <b>o.06</b>			0.426522		77 
29/01/2014 10:15:00 AN		23 Bado.06			0.431451		78
29/01/2014 10:30:00 AN	<i>n</i> 0.4151	73 Bad <i>o.</i> 06	<b>ろ</b> 0.045663	1.1901	0.419195	1.	79
29/01/2014 10:40:16 AN	Λ						
29/01/2014 10:45:00 AN		59 0.061809			0.41374		77
29/01/2014 10:59:59 AN		69 0.06174		1.21152	0.414841		76
29/01/2014 11:00:00 AN					0.413718		76
29/01/2014 11:15:00 AN			9 0.046217		0.423268		76
29/01/2014 11:30:00 AN	18		2 0.04519		0.436825		76
29/01/2014 11:45:00 AN		99 0.06054		1.30939	0.449753		74
29/01/2014 12:00:00 PM		35 0.05806			0.444081	1,	72

11:00 Am - Motor and Gear Box unit installed on #3 Clarifier. Rake is now Turning.

29/01/2014 12:15:00 PM	0.461021	0.059075	0.044554	1.34241	0.450913	1.72	
29/01/2014 12:30:00 PM	0.52082		0.04508	1.44042	0.458174	1.7	
29/01/2014 12:45:00 PM		0.056211	0.044291	1.41212	0.457182	1.69	
29/01/2014 1:00:00 PM	0.467036		0.04487	1.39325	0.452291	1.69	
29/01/2014 1:15:00 PM		0.054457		1.34308	0.44978	1.68	
29/01/2014 1:30:00 PM		0.055456			0.439666	1.68	
29/01/2014 1:45:00 PM		0.055028		1.38978	0.435908	1.67	
29/01/2014 2:00:00 PM		0.059618			0.413068	1.67	
29/01/2014 2:15:00 PM		0.058076			0.415161	1.66	
29/01/2014 2:30:00 PM		0.058181	0.041826	1.1776	0.383112	1.65	
29/01/2014 2:45:00 PM	0.37347		0.032308	1.10988	0.373894	1.65	
29/01/2014 3:00:00 PM			0.032772	1.05696	0.342247	1.64	
29/01/2014 3:15:00 PM		0.056874			0.325799	1.64	
29/01/2014 3:30:00 PM		0.056229			0.302378	1.64	
29/01/2014 3:45:00 PM			0.041711		0.298322	1.64	
	0.285962		0.042619		0.269782	1.64	
29/01/2014 4:00:00 PM		0.055295			0.261274	1.63	
29/01/2014 4:15:00 PM		0.056298			0.247598	1,62	
29/01/2014 4:30:00 PM		0.050296			0.232897	1.62	
29/01/2014 4:45:00 PM		0.055691			0.232037	1.61	
29/01/2014 5:00:00 PM			0.043069		0.226509		
29/01/2014 5:15:00 PM	0.236921				0.209427	1.64	5:29P Wi
29/01/2014 5:30:00 PM	0.274206				0.392163	1.68	
29/01/2014 5:45:00 PM		0.058246			0.534933	1.00	#50 and # 6
29/01/2014 6:00:00 PM	0.0497769		0.042777			1.7	Juna
29/01/2014 6:15:00 PM	0.0488925				0.536696	1.01	5:29 p w #Sand # 6 F: Iter Wash
29/01/2014 6:30:00 PM	0.186839		0.035591		0.490971	1.88	7.1101
29/01/2014 6:45:00 PM		0.055115				1.86	
29/01/2014 7:00:00 PM		0.057307					
29/01/2014 7:15:00 PM	0.109921		0.041726		0.188376	1.85	
29/01/2014 7:30:00 PM		0.053669			0.148529	1.83	
29/01/2014 7:45:00 PM		0.055391			0.133422	1.81	
29/01/2014 8:00:00 PM	0.0842752	0.059701	0.041492	0.150665	0.11192	1.8	
29/01/2014 8:15:00 PM		0.056266			0.099535	1.8	
29/01/2014 8:30:00 PM		0.054682			0.091205	1.79	
29/01/2014 8:45:00 PM		0.057767			0.086694	1.79	
29/01/2014 9:00:00 PM	0.0953546	0.053794			0.078961	1.78	
29/01/2014 9:15:00 PM	0.0944818		0.043465			1.78	
29/01/2014 9:30:00 PM		0.054471				1,79	
29/01/2014 9:45:00 PM	0.0849992	0.05494		0.168517	0.069737	1,85	
29/01/2014 10:00:00 PM	0.0792736			0.164847		1.84	
29/01/2014 10:15:00 PM	0.0806669					1.83	
29/01/2014 10:30:00 PM	0.0796298				0.066467	1.83	
29/01/2014 10:45:00 PM	0.0771055				0.06535	1.82	
29/01/2014 11:00:00 PM	0.0769998					1.81	
29/01/2014 11:15:00 PM	0.0761897	0.056575		0.15956		1.82	
29/01/2014 11:30:00 PM	0.0758806	0.055815				1.82	
29/01/2014 11:45:00 PM	0.0755518	0.056211	0.043078	0.157201	0.061554	1.82	

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	01/2014	
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE	FIELDS ARE PE	RE-
40 10 10 10 10 10 10				POPULATED FOR YOU!!!	MANUFACTURE TRANSPORTED TO	543660E
		APRI I	ANTUNE	DRMATION O ALL PLANTS	Estimated with	100/12/0
PLANT ID A		AFFLIC			1,153,000	
PLANT NAME	Martin County W	ater District			1,972,677	
AGENCY INTER					2,052,000	- a
L.,	MICHAEL CONTRACTOR					
		INDIVIDUALI		RECUENT TURBUTY		* (*)  }
		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION		
ANALYTE CODE	0100					157
	nonitored continuously? (Y					Y
	ents recorded every 15 mi					N
Was there a failu	re of the continuous monit	oring equipment? (	Y/N)	And over four bours of operation? (V/N)		1
If Yes, (1) w	ere individual filter effluent	turbidity grab samp	nes collec	ted every four hours of operation? (Y/N)		
(2) W	as the continuously monito ter level greater than 1.0 I	iring equipment repa	airea With	urements? (Y/N)		Y
Was individual fil	ter level greater than 1.0 f	ATLL in two consecu	tive meas	surements after on line for more than four hours?	(Y/N)	Y
Was individual fil	ter level greater than 1.0 f	ATU in two consecu	tive meas	surements in three consecutive months? (Y/N)	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	N
Was individual fil	ter level greater than 2.0 f	NTU in two consecu	tive meas	surements in two consecutive months? (Y/N)		N
If any of the last	4 boxes are YES, fill ou	t the Individual FI	ter Turbi	dity Sheet and submit with the MOR		
	BINED FILTER EFFICE			EXEMPLY POINT RESIDUAL DISINFECTANT	CONCENTRATIO	N
APPLIC	ABLE TO ALL PLANTS	WITH FILTRATION		APPLICABLE TO ALL PLA	NTS	
	- 0400			ANALYTE CODE 0999		
ANALYTE CODE	of plant operation		740.0	Number of days of plant operation		31
	iken every 4 hours of plan	t operation? (Y/N)	Y	Were samples taken each day of operation? ()	(/N)	Y
Number of samp			186	Number of lowest chlorine samples recorded		31
Highest single tu		***************************************	0.71	Lowest single chlorine reading		1.65
	xcept slow sand filtration:			If less than required:		100
	amples exceeded 0.1 NTU		26	Was residual restored within 4 hours of plant of hours of plant of high residual restored within 4 hours of plant of high residual restored within 4 hours of plant of	oeration? (T/N)	
	amples exceeded 0.3 NTU	***************************************	10	Number of samples under 0.2 mg/L	ommoj.	0
	amples exceeded 1 NTU		0	Total Chloring (when disinfectant is Chloramine	a):	
	s slow sand filtration: amples exceeded 1 NTU			Number of samples under 0.5 mg/L	·/·	
	amples exceeded 5 NTU					
				AND DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERT	market in the second second	2000
CHLOR	INE DIOXIDE ENTRY PO	INT MONITORING	UDE	CHLORITE ENTRY POINT MON APPLICABLE TO PLANTS UTILIZING C	HLORING DIOXIDE	
APPLICABL	E TO PLANTS UTILIZIN	3 CHLORINE DIOX	IDE		100111111	
ANALYTE COD	E1008		6.4	ANALYTE CODE 1009		31
	of plant operation		31	Number of days of plant operation Were samples taken each day of operation? (	Y/N)	3
	aken each day of operatio	ny (Y/N)	0	Number of complex token		(
Number of samp	bies taken hlorine dioxide reading		0.00	Highest single chlorite reading		0.00
	ine dioxide samples excee	eded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L		(
1,5511,551 01 011101	Marine - Landerse - Marine			which cultivated basels. Record on my inquiry of those indi-		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

O3-07-2014

Date

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273				PERIOD (MMYYYY)	01/2014
AI 2987		NOTE: COMPL	ETE ALL	APPLICABLE FIELDS	SIII NOT ALL OF THE	FIELDS ARE PRE-
				POPULATED FO	OR YOU!!!	
	PURCHAS	l≅D), be with a region of			solb	12 Sept.
		APPLICAB	LE TO ALL	WATER SYSTEMS TO WHOM? (PW	(C.ID) HOWM	UCH? (gallons)
	M? (PWS ID)	HOW MUCH? (gallor		TO WHOM? (PW	(SID) HOW W	OCHT (gallons)
WV3303003			0			
KY0980575						
				in the second		
120000						
: <del>  -                                   </del>					2 2 2	
\ <del></del>						
13						
-				Name California		
-						
				E-W		
*				7		
				( <del>)</del>		
P. Section		DISTRIBUTION RESI	DUAL DIS	NEECTANT CONCENT	RATION	
		APPLICAE	BLE TO AL	L WATER SYSTEMS		
ANALYTE CODE			0.4	Eron Chlorina (for all di	sinfectants except chlora	mine)
Number of days			31	Number of samples		0
	ken each day of oper	ration? (Y/N)	Y		isinfectant is chloramine)	
Number of samp			124	Number of samples		
FREE			124	Maniper of Samples	. anao. 9.0 mg/s	
TOTAL	CE shledgedis-					
	REE chlorine reading		0.44			
Lowest single TO	TAL chlorine reading	)	0.51			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

02-07-2014 Date



# MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Revised 01/04/07

DEP Form 4012Re PWS ID : PWS NAME:	KY0800273 Martin County Water I	01/2014  PLANT ID: A	PLANT NAME:	3	GROUNDWATER  PURCHASE/DISTRIBUTE ONLY  Martin County Water District  DIST. CLASS: 2
AGENCY INTEREST (AI): SOURCE NAME:	2987 Crum Reservoir		DATE MAILED: COUNTY:		02-07-2014 Martin
SOUNCE NAME.	Tug Fork		0001111		
WTP SHIFT 1:	OPERATOR(S) RESPONSIBLE Earl T Alley	/ IN-CHARGE	CLASS 1V-A		CERTIFICATION NUMBER 17562
WTP SHIFT 2:					21944
WTP SHIFT 3:	Jerry L Belcher		1V-A		21719
DISTRIBUTION:					The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
THIS REP	ORT MUST BE RECEIVED BY				
	NO LATER THAN 1	O DAYS AFTER	THE END OF T	HE	MONTH.
TREATMENT PLANTS	COMPLETE:				
1. DESIGN CAPACITY (gpm):	8	1,667			GCANNEO
2. TYPE OF FILTRATION USE	D:	Dual Me	dia		12
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66		4	
4. PERCENT BACKWASH WA	1.1			FEB 4 2 2014	
5. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED:	#2 - 3/18/10 #	3 - 9/2/ 09		
6. DATE SETTLING BASIN(S)	LAST CLEANED:				00

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

| O2-07-2014 | DATE | DATE

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

01/2014

APPLICABLE TO ALL PLANTS

PAGE OF RAW COAGULANT PH ADJUSTMENT DISINFECTANT DISINFECTANT COAGULANT HOURS WATER PLANT OPERATED TREATED Pre Pre Post DAY **GALLON9** PPM PPM LBS PPM LBS LBS PPM LB8 LBS 1,933,000 19.0 159.8 9.9 24.0 359.9 22.3 4.2 0.3 306.6 159.8 10.3 1,868,000 24.0 359.9 23.1 4.2 0.3 268.8 17.3 1,926,000 24.0 359.9 22.4 4.2 0.3 283.0 17.6 147.8 9.2 159.8 10.2 1,880,000 24.0 283.0 18.0 359.9 23.0 4.2 0.3 302.6 18.5 161.8 9.9 1,964,000 24.0 359.9 22.0 4.2 0.3 18.9 156.6 1,916,000 23.5 352.3 22.0 302.6 9.8 4.1 0.3 309.2 18.7 159.8 9.6 1,987,000 24.0 359.9 21.7 4.2 0.3 159.8 16.3 9.9 1,932,000 24.0 359.9 22.3 4.2 0.3 263.2 15.9 151.6 9.3 1,945,000 24.0 359.9 22.2 4.2 0.3 258.5 10 1,966,000 24.0 359.9 21.9 4.2 0.3 268.8 16.4 159.8 9.7 159.8 1,929,000 24.0 359.9 22.4 4.2 0.3 263.2 16.4 9.9 2,036,000 24.0 454.7 26.8 312.4 18.4 165.7 9.8 12 4.2 0.2 13 2,002,000 24.0 454.7 27.2 4.2 0.3 304.1 18.2 172.0 10.3 17.5 169.2 10.0 14 2,030,000 24.0 391.4 23.1 4.2 0.2 295.7 297.1 17.7 163.5 9.7 15 2,011,000 24.0 328.2 19.6 42 0.3 159:8 2,051,000 24.0 312.5 18.3 4.2 0.2 304.8 17.8 9.3 16 306.6 18.5 162.1 9.8 17 1,985,000 23.0 299.5 18.1 4.0 0.2 2,052,000 24.0 312.5 319.0 18.6 169.2 9.9 18.3 4.2 0.2 18 169.2 10.2 19 1,987,000 23.0 282.9 0.2 312.3 18.8 17.1 4.0 292.3 17.2 169.2 9.9 2,043,000 24 0 265.1 15.6 4.2 0.2 20 2,022,000 289.5 17.2 169.2 10.0 21 24.0 265.1 15.7 4.2 0.2 319.0 18.8 169.2 10.0 22 2,036,000 24.0 265.1 15.6 4.2 0.2 17.7 164.7 9.8 23 2,024,000 24.0 265.1 15.7 4.2 0.2 298.4 169.2 10.0 15.7 302.6 17.9 24 2,028,000 24.0 265.1 4.2 0.2 10.2 295.7 17.8 169.2 25 1,993,000 24.0 265.1 15.9 4.2 0.3 283.3 17.6 169.2 10.5 28 1,925,000 24.0 265.1 16.5 4.2 0.3 17.8 169.2 10.5 27 1,928,000 24.0 265.1 16,5 4.2 0.3 286.4 283.4 17.6 165.7 10.3 28 1,927,000 23.5 259.7 16.2 0.3 153.2 29 1,804,000 23.0 254.2 16.9 4.0 0.3 268.0 17.8 10.2 165.1 10.0 1,984,000 24.0 265.1 16.0 4.2 304.6 18.4 30 0.3 18.3 183.2 10.8 31 2,039,000 24.0 265.1 15.6 4.2 0.2 311.9 9096.8 5083.4 9952.6 TOTAL 61,153,000 129.4 0.0 164.0 10.0 #DIV/0! 293.4 17.8 AVERAGE 1,972,677 321.1 19:5 4.2 0.3 #DIV/01

MAX

2.052,000

### APPLICABLE TO ALL PLANTS

457.2

27.8

60.6

#DIV/0!

#DIV/01

5.3

#DIV/01

#DIV/0I

#DIV/01

#DIV/0!

#DIV/01

#DIV/01

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

01/2014

OF PAGE CHEMICALS ADDED DISINFECTANT FLUORIDE CARBON PH ADJUSTMENT KMnO₄ CORROSION H202 Caustic INHIBITOR DAY LBS PPM LB8 PPM LBS РРМ PPM LBS PPM PPM PPM 466.4 28.9 60.9 1 3.8 2 428.6 27.5 60.9 3.9 3 430.8 26.8 60.9 3.8 4 442.8 28.2 60.9 3.9 464.4 28.4 60.9 3.7 6 459.1 28.7 59.6 3.7 469.0 28.3 60.9 3.7 8 423.0 26.3 60.9 3.8 9 410.1 25.3 60.9 3.8 10 428.6 26.1 60.9 3.7 11 423.0 26.3 60.9 3.8 478.1 28.2 12 60.9 3.6 13 476.1 28.5 80.9 3.6 14 464.9 27.5 60.9 3.6 15 460.6 27.5 60.9 3.6 18 464.6 27.2 60.9 3.6 17 468.7 28.3 58.4 3.5 18 488.2 28.5 60.9 3.6 19 481.5 29.1 58.4 3.5 20 454.5 26.7 60,9 3.6 21 458.7 27.2 60.9 3.6 22 488.2 28.8 60.9 3.6 23 463.1 27.4 60.9 3.6 85.9 24 471.8 27.9 60,9 3.6 86.9 5.1 25 464.9 28.0 60.9 3.7 5.2 85.9 452.5 28.2 80.9 28 3.8 85.9 5.4 27 455.6 28.3 60.9 3.8 85.9 5.3 449.6 28.0 28 60.9 3.8 85.9 5.3 29 421.2 28.0 58.4 3.9 85.9 5.7 30 469.7 28.4 60.9 3.7 85.9 5.2 31 495.1 29.1 60.9 3.8 85.9 5.1 14,173.6 1,879.1 773.1 0.0 0.0 0.0 0.0 TOTAL

### APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

01/2014 REPORT MONTH/YEAR:

11 PAGE 3

PARTY.	100 (O) (O)	pH		TO				PM UNLESS		E SPECIFIES RESIDUAL	0)	THE RESERVE	TURBIDITY (N	TU)
				TOTAL TOTAL ALKALINITY HARDNESS			TOP OF PLANT FILTER TAP							
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	TAP
1	7.54	7.48	7.34	71	69	141	135	0.77	0.70	2.03	1.95	17.70	0.17	0.05
2	7.50	7.45	7.30	71	65	123	115	0.70	0.63	1.99	1.91	16.50	0.16	0.05
3	7.49	7.45	7.30	64	60	126	122	0.71	0.65	1.92	1.86	16.40	0.16	0.05
4	7.51	7.42	7.31	43	40	123	120	0.66	0.59	1.99	1.91	17.50	0.14	0.05
5	7.46	7.41	7.30	45	41	115	111	0.73	0.65	2.03	1.95	17.00	0.16	0.04
6	7.48	7.39	7.29	52	47	114	108	0.85	0.80	2.15	2.05	16.90	0.18	0.06
7	7.44	7.34	7.24	46	42	125	121	0.70	0.65	1.86	1.79	16.40	0.19	0.05
8	7.45	7.38	7.29	77	72	90	86	0.61	0.50	1.86	1.82	16.40	0.20	0.06
9	7.38	7.31	7.21	70	66	115	109	0.78	0.70	1.98	1.94	16.00	0.20	0.04
10	7.41	7.35	7.24	60	55	115	110	0.75	0.67	1.94	1.88	15.80	0.23	0.04
11	7.43	7.30	7.19	62	59	112	110	0.74	0.63	2.06	1.98	15.60	0.23	0.05
12	7.28	7.21	7.10	38	34	102	100	0.74	0.65	2.01	1.91	47.10	0.42	0.07
13	7.21	7.22	7.11	54	50	108	103	0.59	0.52	1.94	1.89	37.30	0.30	0.06
14	7.27	7.23	7.13	44	38	96	90	0.68	0.58	1.99	1.89	26.70	0.30	0.06
15	7.27	7.24	7.10	53	45	80	78	0.66	0.56	1.99	1.92	21.20	0.26	0.06
16	7.16	7.19	7.08	51	44	78	75	0.70	0.63	1.92	1.86	19.40	0.20	0.04
17	7.24	7.18	7.06	44	39	88	84	0.58	0.53	1.88	1.82	19.20	0.24	0.06
18	7.20	7.19	7.15	50	46	79	73	0.75	0.70	1.99	1.94	17.30	0.29	0.05
19	7.10	7.14	7.04	40	35	68	65	0.61	0.54	2.00	1.93	14.90	0.21	0.04
20	7.19	7.10	7.03	38	34	79	75	0.77	0.71	1.92	1.82	13.50	0.26	0.06
21	7.19	7.09	7.02	47	41	87	83	0.82	0.77	1.97	1.89	12.80	0.39	0.06
22	7.15	7.08	6.99	30	25	70	64	0.68	0.55	1.87	1.82	11.50	0.37	0.08
23	7,11	7.16	7.20	40	37	74	70	0.74	0.68	1.90	1.83	10.40	0.31	0.05
24	7.07	7.08	7.14	39	35	82	77	0.80	0.75	1.96	1.90	10.40	0.36	0.05
25	7.08	7.09	7.14	24	22	92	90	0.82	0.75	2.00	1.92	9.89	0.54	0.05
26	7,15	7.12	7.19	27	23	94	90	0.71	0.64	1.94	1.86	9.44	2.19	0.23
27	7.12	7.06	7.16	32	27	94	91	0.71	0.64	2.01	1.94	9.18	2.14	0.30
28	7.00	7.01	7.11	42	37	77	72	0.77	0.69	2.01	1.91	9.07	2.17	0.63
29	7.15	7.09	7.21	64	60	61	58	0.77	0.66	1.90	1.82	8.83	2.07	0.24
30	7.03	7.08	7.16	52	45	55	52	0.74	0.64	1.89	1.81	8.59	0.50	0.10
31	7.12	7.10	7.22	48	44	71	65	0.70	0.63	1.94	1.87	7.12	0.43	0.10
VERAGE	7.3	7.2	7.2	49	44	95	90	0.72	0.64	1.96	1.89	16.32	0.52	0.09

### **OPTIONAL INFORMATION--Surface Water Plants Only**

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PLANT ID: A
AGENCY INTEREST: 2987
REPORT MONTH/YEAR: 01/2014

PWS ID :

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF 11

KY0800273

904	SKEW N	West Sand		/ Day	W/S 252		ALYTICAL	RESULTS (	NTU)						
	RAW DAILY		SEDIM		BASIN EFFI	LUENT		INDIVIDUAL FILTER EFFLUENT DAILY MAXIMUM							DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	84	#5	#6	157	MAXIMU
1	17.70		0.17	0.16						0.04	0.05	0.07	0.05		0.05
2	16.50		0.18	0.16						0.05	0.06	0.08	0.05	V6-1	0.05
3	16.40		0.18	0.16						0.04	0.06	0.08	0.05		0.05
4	17.50		0.15	0.14						0.04	0.05	0.07	0.06		0.05
5	17.00		0.18	0.17						0.04	0.05	0.06	0.05	100	0.05
6	16.90		0.19	0.16						0.05	0.06	0.07	0.05	2-1	0.06
7	16.40		0.19	0.19						0.05	0.05	0.07	0.05		0.05
8	16.40		0.20	0.19						0.05	0.05	0.07	0.06		0.05
9	16.00		0.22	0.26						0.05	0.06	0.06	0.05		0.05
10	15.80		0.24	0.33						0.05	0.06	0.05	0.05		0.05
11	15.60		0.32	0.31						0.05	0.06	0.11	0.07		0.06
12	47.10		1.24	0.99						0.09	0.12	0.43	0.21		0.19
13	37.30		0.35	0.35						0.06	0.08	0.13	0.05		0.07
14	26.70		0.30	0.30						0.06	0.07	0.12	0.05		0.07
15	21.20		0.24	0.27						0.05	0.06	0.12	0.06		0.08
16	19.40		0.22	0.26						0.04	0.06	0.06	0.05		0.05
17	19.20		0.34	0.34						0.07	0.09	0.07	0.05	1.0	0.06
18	17.30		0.36	0.35						0.06	0.07	0.08	0.05	H.	0.06
19	14.90		0.28	0.26						0.05	0.06	0.09	0.07		0.06
20	13.50		0.35	0.35						0.05	0.06	0.06	0.05	4	0.05
21	12.80		0.43	0.43						0.07	0.10	0.06	0.06	THE P	0.06
22	11.50		0.42	0.41						0.06	0.08	0.09	0.05		0.06
23	10.40		0.38	0.33						0.05	0.06	0.09	0.08		0.06
24	10.40		0.43	0.39						0.05	0.06	0.08	0.07		0.06
25	9.89		0.47	1.48						0.06	0.09	0.06	0.06		0.06
26	9.44		0.45	4.37		l				0.05	0.07	1.38	0.33		0.40
27	9.18		0.41	4.20						0.05	0.06	1.55	0.93		0.50
28	9.07		0.61	3.95						0.04	0.05	0.22	1.22		0.71
29	8.83		0.47	4.01						0.06	0.05	1.39	0.45		0.46
30	8.59		0.43	0.69						0.07	0.05	0.27	0.06		0.11
31	8.49		0.44	0.56						0.06	0.04	0.31	0.06		0,11
VERAG	e 16.4	#DIV/0!	0.3	1	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.05	0.06	0.24	0.15	#DIV/01	0.12

PWSID:

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

01/2014

11

*Please answer Y/N question below this chart.	PAGE	5	OF	
		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	CONTRACTOR OF THE PARTY OF	400

	FLUO	PRIDE		ON		IGANESE	ESS OTHERWI		Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	NATIONAL STREET	RAINFALL	TEMP.  DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL		INCHES	F°/C°
1	0.08	0.79	0.27	0.03	0.09	0.01			1.90		0.0	8.1
2	0.03	1.00	0.32	0.04	0.09	0.01			1.75	1	0.0	7.5
3	0.16	1.02	0.50	0.03	0.10	0.01			1.75		0.2	7.4
4	0.17	1.00	0.52	0.03	0.08	0.01			1.75		0.0	7.2
5	0.06	0.85	0.27	0.03	0.10	0.01			1.90	8	0.0	6.8
6	0.15	0.92	0.49	0.03	0.08	0.01			1.70		0.4	7.1
7	0.08	0.87	0.46	0.03	0.08	0.01			1.80		0.0	8.1
8	0.05	0.97	0.32	0.03	0.08	0.01			1.85		0.0	7.2
9	0.11	0.81	0.25	0.03	0.09	0.01			1.75		0.0	7.1
10	0.11	1.01	0.44	0.03	0.08	0.01			1.75		0.2	8.2
11	0.10	1.00	0.42	0.03	0.07	0.01			1.75	SI SI	0.4	8.0
12	0.00	0.90	0.49	0.03	0.21	0.01			1.80	100	0.4	7.0
13	0.00	0.90	0.95	0.03	0.16	0.01		5 7	1.80	8	0.0	7.1
14	0.06	0.96	0.70	0.03	0.11	0.01			1.90	0	0.4	8.1
15	0.02	0.79	0.29	0.03	0.10	0.01			1.75		0.0	7.2
16	0.12	0.96	0.15	0.04	0.10	0.01			1.75		0.0	7.2
17	0.04	0.84	0.51	0.03	0.09	0.01			1.85		0.0	7.8
18	0.00	0.84	0.27	0.03	0.09	0.01			1.80		0.0	7.0
19	0.16	0.83	0.23	0.03	0.09	0.01			1.85		0.0	6.8
20	0.17	0.83	0.37	0.03	0.08	0.01			1.85		0.0	8.5
21	0.14	0.89	0.37	0.03	0.08	0.01			1.85		0.1	8.0
22	0.17	0.97	0.21	0.03	0.07	0.01			1.85		0.2	6.6
23	0.16	0.97	0.34	0.03	0.07	0.01			1.75		0.0	7.3
24	0.24	0.94	0.25	0.03	0.06	0.01			1.75		0.0	7.8
25	0.17	0.93	0.21	0.03	0.07	0.01			1.80		0.0	6.1
26	0.19	0.91	0.20	0.03	0.07	0.01			1.75		0.1	6.5
27	0.16	0.92	0.27	0.03	0.07	0.01			1.75		0.0	7.5
28	0.24	0.80	0.08	0.03	0.06	0.01			1.65	2	0.0	7.9
29	0.14	0.81	0.22	0.03	0.06	0.01			1.65		0.0	7.0
30	0.14	0.84	0.22	0.03	0.06	0.01			1.75		0.0	5.9
31	0.14	0.93	0.27	0.03	0.06	0.01			1.80	0	0.0	6.1
VERAGE	0.11	0.90	0.35	0.03	0.09	0.01	#DIV/01	#DIV/0I	Monthly Minimum		Rainfall	7.3
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Number of readings 31

For Free Chlorine, # less than 0.2 mg/L 0

For Chloramines, # less than 0.5 mg/L

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

#DIV/01

#DIV/01

REPORT MONTH/YEAR: 01/2014

OF PAGE FILTER OPERATION TOTAL No: No: No: 6 No: 6 No: **WASH WATER** 160 160 AREA (square feet) AREA (square feet) AREA (square feet) AREA (square feet) 160 160 WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER **FILT RUN** WASHWATER **FILT RUN** GALLONS HR6 DAY GALLONS **GALLONS** HRB **GALLON8** HR8 **GALLONS** HR8 GALLONS HR8 0 28,000 14,000 95.90 14,000 95.90 2 0 94.90 25,000 13,000 12,000 94.90 4 0 Б 24,000 12.000 93.70 12,000 93.70 6 0 14,000 94.30 28,000 14,000 94.30 22,000 11,000 91.10 11,000 91.10 0 10 87.40 12,000 87.30 12,000 24,000 11 0 12 24,000 12,000 12,000 91.10 91.10 13 0 14 91.20 91.00 18,000 18,000 15 36,000 0 16 31,000 16.000 91.80 15,000 91.90 17 0 18 19 31,000 15,000 94.40 16,000 94.40 0 20 26,000 13,000 98.00 13,000 97.90 21 22 0 17,000 98.70 17.000 98.70 34,000 23 0 24 25 28,000 14,000 95.40 14,000 95.40 33,000 70.40 33,000 70.40 26 66,000 19.60 30,000 20.00 34.000 64,000 27 21.30 21.10 28,000 59,000 31,000 28 34,000 24.30 24.20 70,000 36,000 29 27,000 13,000 109.60 14,000 109.60 30 0 31 0.00 223,000 695.90 214,000 696.90 0 647,000 105,000 766.60 105,000 768.60 TOTAL

> 13,125 95. COPY AS NEEDED

95.825

22,300

69.590

21,400

69.690

20,871

AVERAGE

13,125

95,825

PWS ID: PLANT ID:

KY0800273 A

REPORT MONTH/YEAR:

PAGE

01/2014

11

OF

ALL WATER SYSTEMS

DISTRIBUTION SYSTEM OPERATION CHEMICALS ADDED TEST RESULTS CHLORINE TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE BOOSTER BOOSTER EAST WEST ۲ F DAY LBS LB8 1.60 1.55 1.52 1.89 1.63 1.38 1.32 1.62 1.76 1.82 1.80 1.67 1.60 1.53 1.49 1.79 3 1.63 1.56 1.79 1.73 1.75 1.66 1.35 1.28 1.34 1.15 1.52 1.46 1.67 1.59 1.41 1.22 1.43 1.37 1.77 1.71 6 1.52 1.44 1.21 1.14 1.48 1.43 1.60 1.57 1.12 1.39 1.34 1.17 1.28 1.23 1.45 1.37 7 1.45 1.37 1.40 1.36 1.58 1.25 1.20 1.69 1.66 1.69 1.65 1.61 9 1.74 1 69 1.61 1.57 1.53 1.47 1.44 1.40 1.02 1.49 1.45 1.25 1.16 10 1.67 1.61 1.04 1.38 1.12 0.98 1.50 11 1.43 1.34 1.77 1.65 0.67 0.75 1.19 1.10 12 1.82 1.75 1,79 1.71 13 1.54 1.46 1,69 1.65 1.60 1,55 1.61 1.55 1.58 1.55 1.36 1.31 14 1.52 1.46 1.55 1.38 1.49 1.84 1.62 15 0.65 0.60 1.57 1.50 1.56 1.62 1.70 1.63 1.72 1.69 1.65 16 1.53 1.46 1.32 1.14 1.04 1.35 17 1.40 1.33 1.22 1.18 1.53 0.44 1.35 1.26 1.63 1.46 1.39 0.51 18 0.99 1.55 1.46 1.14 1.09 19 1.31 1.26 1.06 1.67 1.64 1.64 1.58 0.87 0.79 1.46 1.41 20 1.73 1.77 1.71 1.71 1.62 21 1.65 1.56 1.75 1.04 1.12 0.98 1.13 22 1.20 1.15 0.93 0.85 1.48 1.40 1.27 1.24 1.50 1.46 1.49 1.44 23 0.97 1.63 1.56 1.05 24 1.46 1.44 1.38 1.53 1.33 1.26 0.98 0.91 1.24 1.19 1.58 1.51 25 0.83 1.66 1.59 0.89 26 1.59 1.53 1.46 1.40 1.72 1.78 27 1.67 1.58 0.68 0.64 1.57 1.50 1.49 1.19 1.57 1.55 1.60 1.53 28 1.53 1.32 1.61 1,33 1.32 1.22 1.40 1.34 1.68 29 1.43 1.53 1.65 1.59 1.49 1.62 1.56 30 1.18 1.12 1.56 1.69 1.59 1.63 1.54 1.37 1.31 1.63 31 1.50 1.44 1.47 1,41 1.33 #DIV/0I #DIV/0! 1.39 AVERAGE Average 1.46 1.39 0.75 0.89 TOTAL 0.0 0.0 0.65 0.51 Free 0.67 0.60 0.44 0.83 31 31 31 31 31 31

Less than 0.2 mg/L/0.5 mg/L Minimum Monthly Free Number of Free Residuals 124 Residual Minimum Monthly Total Residual Number of Total Residuals 124 Total # Less than 0.2 mg/L 0 Total # Less than 0.5 mg/L

Total # Chiorine Samples

0.44 0.51 31

31

Disinfectant Chloremines? (Y/N) Number of days of operation?

N

,	URBIDITY	PEDODT				PWSID:	K Y U 8 U C	0213	
fi			1 ma 1 mm 1 m	· martinu	100	PLANT ID:			
PWS N	THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P	BLE TO ALL PLA	County Water	PRINCE SHAWLE PRINCE	Report Period (	(MM/YYYY):	01/20	14	PAGE: 8 OF 11
DAY	Hours Plant	# of Turbidity							Daily
CONTRACTOR OF THE PERSON NAMED IN	Operated 24.0	Samples Required*	0.05	0.05	0.05	0.05	4 pm - 8 pm 0.05	8 pm - Mid 0.05	0.048
1	24.0	6		0.05	0.05	0.05	0.05	0.05	0.050
2	24.0	6	0.05		0.05	0.05	0.05	0.05	0.050
3	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
4	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
5	23.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.055
6.	24.0	6			0.05	0.05	0.05	0.05	0.052
7			0.05	0.05		0.05	0.05	0.05	0.052
8	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
9	24.0	6	0.05	0.05	0.05		0.05	0.05	0.050
10	24.0	6	0.05	0.05	0.05	0.05		0.06	0.060
11	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.194
12	24.0	6	0.19	0.05	0.05	0.05	0.05		0.194
13	24.0	6	0.05	0.05	0.06	0.07	0.06	0.07	0.071
14	24.0	6	0.07	0.07	0.07	0.06	0.06	0.05	0.062
15	24.0	6	0.06	0.06	0.06	0.06	0.05		
16	24.0	6	0.05	0.04	0.05	0.05	0.05	0.05	0.050
17	23.0	6	0.05	0.05	0.05	0.05	0.06	0.06	0.064
18	24.0	6	0.06	0.06	0.06	0.06	0.06	0.05	0.059
19	23.0	6	0.05	0.05	0.05	0.06	0.06	0.05	0.057
20	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
21	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
22	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.061
23	24.0	6	0.06	0.06	0.05	0.06	0.06	0.06	0.063
24	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.060
25	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.060
26	24.0	6	0.13	0.21	0.21	0.40	0.19	0.09	0.399
27	24.0	6	0.12	0.34	0.22	0.47	0.31	0.50	0.503
28	23.5	6	0.71	0.25	0.44	0.57	0.07	0.14	0.708
29	23.0	6	0.26	0.30	0.41	0.47	0.26	0.10	0.467
30	24.0	6	0.08	0.08	0.10	0.10	0.11	0.10	0.110
31	24.0	6	0.11	0.11	0.11	0.10	0.10	0.10	0.110
Total	740.0	186			тот	AL # OF TURBIDITY	SAMPLES TAKEN	186	0.708
		ER CONVENTIONA	L or DIRECT FI	LTRATION? (Y	N) Y				
	of filtration besides		0.4 NT	J 26	0.3 NTU	10	1 NTU	0	
	per of samples e		0.1 NT		_			1 100	7
		iltration, the number		_	1 NTU		5 NTU_		
	: The "Number he next whole n		es Required" is	the number of	hours the plant oper	ated divided by 4	rounded		
			an vicini alti-	and the second	alimina aleet	tion and in the t	ime frames actor	l ahove	
certi	y that the abo	ve turbidity readin	gs were taken	every 4 nours	during plant opera	iuon and in the t	12-07-	2014	
-	Signature of Prin	cipal Executive Offic	er or Authorized	Agent			Dat		The state of

INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REP			
PWS Name:	M	artin County Water Dis	trict		
PWS ID:	KY08	300273			
PLANT ID:		A	2044		
Report Period (MM/Y)	YY):	01/2	2014		
	ne Summary Shee	he individual filter et ), complete the fo			PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	Date and Time State was Contacted
1-26-14	5	_		Λ	
1-27-14 1-28-14 1-29-14	5+4	See attached		Mechanical	2-7-14 9:30AM
1-28-14	5+6	Sheets		Mechanica L La: lure	9:30AM
1-29-14	5	1		*	
				te de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya della companya della companya de la companya della companya del	
					3 15 32 55 5

APPLICABLE TO ALL SURFACE WATER PLANTS WITH FILTRATION

### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

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1.82
25/01/2014 12:45:00 PM
                            0.048415
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                                                            0.057062
                                                                      0.050323
25/01/2014 6:15:00 PM
                            0.049902
                                      0.291312
                                                 0.134508
                                                             0.05591
                                                                      0.050714
                                                                                     2.45
25/01/2014 6:30:00 PM
                                      0.299673
                                                 0.132922
                                                             0.05552
                                                                      0.050833
                            0.120769
                                                                                     2.44
25/01/2014 6:45:00 PM
                                                                      0.050302
                            0.093973
                                      0.270005
                                                 0.206755
                                                            0.054745
                                                                                     2.34
25/01/2014 7:00:00 PM
                                                 0.168307
                                                            0.054159
                                                                       0.05015
                            0.076973
                                      0.151114
                                                                       0.05034
25/01/2014 7:15:00 PM
                             0.06877 0.105787
                                                 0.131794
                                                            0.053547
25/01/2014 7:30:00 PM
                            0.063944
                                      0.084995
                                                 0.111703
                                                            0.052328
                                                                       0.04881
25/01/2014 7:45:00 PM
                            0.061545
                                       0.076068
                                                 0.100676
                                                            0.051264
                                                                      0.048534
                                                                                     2.13
25/01/2014 8:00:00 PM
                                                            0.050635
                                                                      0.047666
                                                                                     2.08
                            0.059917
                                        0.07174
                                                 0.094049
                                                                                     2.05
25/01/2014 8:15:00 PM
                            0.058344
                                       0.068112
                                                 0.090556
                                                             0.04999
                                                                      0.047135
25/01/2014 8:30:00 PM
                                                            0.049542
                                                                      0.046234
                                                                                     2.03
                                        0.06832
                                                 0.087981
                            0.057498
                                                                                     2.01
25/01/2014 8:45:00 PM
                            0.056653
                                       0.064397
                                                 0.086519
                                                            0.049424
                                                                      0.046479
25/01/2014 9:00:00 PM
                                                  0.08445
                                                            0.049596
                                                                      0.046251
                                                                                     2.01
                            0.056489
                                        0.06268
25/01/2014 9:15:00 PM
                            0.057119 0.062224
                                                 0.082653
                                                             0.04898
                                                                        0.04643
                                                            0.136195
                                                                      0.045866
25/01/2014 9:30:00 PM
                            0.072292
                                       0.062251
                                                 0.081746
                                                                                     1.99
                                                            0.116508
                                                                      0.045947
25/01/2014 9:45:00 PM
                            0.078475
                                       0.058937
                                                 0.079825
                                                                      0.046511
25/01/2014 10:00:00 PM
                            0.082397 0.060235
                                                 0.078554
                                                             0.14268
25/01/2014 10:15:00 PM
                            0.088936
                                        0.05802
                                                 0.077116
                                                            0.164013
                                                                      0.046516
                                                                                     1.96
25/01/2014 10:30:00 PM
                            0.093312
                                      0.057698
                                                 0.076409
                                                            0.187207
                                                                      0.046798
25/01/2014 10:45:00 PM
                                      0.055143
                                                 0.076065
                                                             0.20526
                                                                      0.047064
                                                                                     1.96
                            0.097965
                                                                                      1.95
                                                             0.22462
                                                                      0.047243
25/01/2014 11:00:00 PM
                                      0.054968 0.075649
25/01/2014 11:15:00 PM
                            0.107185 0.053849
                                                 0.075257
                                                             0.24447
                                                                      0.047357
                                                                                      1.95
25/01/2014 11:30:00 PM
                            0.112747
                                       0.055493
                                                 0.073637
                                                            0.257805
                                                                      0.047791
25/01/2014 11:45:00 PM
                            0.116144
                                        0.05337 0.073332 0.273152
                                                                                      1.95
```

On 1/24/14- The Motor and Gear box that turns

The Rake in \$3 Clarifier went Down.

This is what Keeps the Sludge Blanket

going in order to keep Turbidity Low on

Top of Filters.

Time	Combined	Turb # 3	Turb # 4	Turb # 5	Turb # 6	Post CL2
26/01/2014 12:00:00 AM	0.118762	0.052937	0.072734	0.290044	0.048496	1.95
26/01/2014 12:15:00 AM	0.123411	0.053269	0.071956	0.299223	0.047688	1.94
26/01/2014 12:30:00 AM	0.127254	0.054093	0.072037	0.31369	0.048675	1.93
26/01/2014 12:45:00 AM	0.131133	0.052951	0.071263	0.326397	0.048219	1.93
26/01/2014 1:00:00 AM	0.135175	0.051722	0.070914	0.342577	0.04816	1.92
26/01/2014 1:15:00 AM	0.139394	0.054217	0.070814	0.353223	0.048301	1.92
26/01/2014 1:30:00 AM	0.143073	0.051676	0.070293	0.369767	0.048349	1.91
26/01/2014 1:45:00 AM	0.147722	0.053306	0.070236	0.381854	0.048425	1.9
26/01/2014 2:00:00 AM	0.142909	0.051455	0.069495	0.392496	0.048284	1.98
26/01/2014 2:15:00 AM	0.157369	0.051634	0.068931	0.379684	0.04785	2.04
26/01/2014 2:30:00 AM	0.161674	0.049342	0.06756	0.41235	0.047682	2
26/01/2014 2:45:00 AM	0.163647	0.050405	0.068305	0.434111	0.048111	1.96
26/01/2014 3:00:00 AM	0.163729	0.050893	0.069065	0.453617	0.048881	1.93
26/01/2014 3:15:00 AM	0.171478	0.051312	0.069361	0.457589		1.9
26/01/2014 3:30:00 AM	0.173125	0.051699		0.472537	0.048756	1.88
26/01/2014 3:45:00 AM	0.178076	0.05192		0.480858	0.049526	1.86
26/01/2014 4:00:00 AM	0.184612	0.049719		0.492966		1.85
26/01/2014 4:15:00 AM	0.190494	0.048697		0.510076	0.050312	1.83
26/01/2014 4:30:00 AM	0.194822	0.04814		0.525959		1.83
26/01/2014 4:45:00 AM	0.200634	0.044019		0.542076		1.84
26/01/2014 5:00:00 AM	0.202622	0.044199		0.55663	0.050594	
26/01/2014 5:15:00 AM	0.21421	0.044185		0.563246	0.051934	1.86
26/01/2014 5:30:00 AM	0.213917	0.049742		0.59186	0.051728	
26/01/2014 5:45:00 AM	0.731555	0.051252		0.555227	0.0515	
26/01/2014 6:00:00 AM	0.706884	0.052928		1.34573		
26/01/2014 6:15:00 AM	0.699049	0.052836				2
26/01/2014 6:30:00 AM	0.701726	0.050005		2.09393	0.253454	
26/01/2014 6:45:00 AM	0.108837	0.051547	0.067789	1.49616	0.472089	1.84
26/01/2014 7:00:00 AM	0.056438	0.051188	0.066079	0.86975	0.264175	1.88
26/01/2014 7:15:00 AM	0.19721	0.051648	0.065668	0.640183	0.254848	1.92
26/01/2014 7:30:00 AM	0.148709	0.05012	0.066093	0.351878	0.270574	1.94
26/01/2014 7:45:00 AM	0.149703	0.052362	0.064918	0.347265	0.153876	1.94
26/01/2014 8:00:00 AM	0.138146	0.050516	0.064784	0.354107	0.108385	1.95
26/01/2014 8:15:00 AM	0.13307	0.051367	0.064454	0.346209	0.084313	1.94
26/01/2014 8:30:00 AM	0.133743	0.053135	0.064368	0.343892	0.07388	1.94
26/01/2014 8:45:00 AM	0.131453	0.052528	0.064378	0.346783	0.072698	1.92
26/01/2014 9:00:00 AM	0.130244	0.052477	0.064607	0.355091	0.067389	1.91
26/01/2014 9:15:00 AM	0.135747	0.052049	0.065644	0.361669	0.064276	1.92
26/01/2014 9:30:00 AM	0.173478	0.051506	0.06616	0.449905	0.083744	1.89
26/01/2014 9:45:00 AM	0.171263	0.052592	0.066251	0.605439	0.068647	1.88
26/01/2014 10:00:00 AM	0.205499	0.051271	0.06509	0.515066	0.066244	1.87
26/01/2014 10:15:00 AM	0.209381	0.050935	0.065061	0.519963	0.179314	1.87
26/01/2014 10:30:00 AM	0.215748	0.050488	0.064545	0.528619	0.193489	1.86
26/01/2014 10:45:00 AM	0.219588	0.050847	0.065037	1.82607	0.361156	1.85
26/01/2014 11:00:00 AM	0.230577	0.050166	0.064607	0.645667	0.263156	1.84
26/01/2014 11:15:00 AM	0.43489	0.049646	0.064664	1.25786	0.262467	1.84
26/01/2014 11:30:00 AM	0.358438	0.052178	0.064043	1.14463	0.270579	1.83
26/01/2014 11:45:00 AM	0.369697	0.052942	0.063432	1.17711	0.270872	1.83
26/01/2014 12:00:00 PM	0.373012	0.0511	0.063957	1.20972	0.273481	1.83
26/01/2014 12:15:00 PM	0.355166	0.050847	0.064316	1.32636	0.281663	1.83
26/01/2014 12:30:00 PM	0.382988	0.051119	0.063503	1.3185	0.283551	1.84

6:04 AM # Sand = 6 f: Iter wash

26/01/2014 12:45:00 PM	0.396486	0.050606	0.000707	1.30769	0.075404	1 02	
26/01/2014 1:00:00 PM		0.050626	0.062787		0.275194	1.83	
	0.387958	0.049788	0.063613	1.30588	0.259718	1,82	
26/01/2014 1:15:00 PM	0.393308	0.049646	0.063069	1.31145	0.263031	1.82	
26/01/2014 1:30:00 PM	0.399131	0.051344	0.062261	1.36319	0.298951	1.81	
26/01/2014 1:45:00 PM	0.401945	0.049945	0.061372	1.37433	0.300356	1.8	
26/01/2014 2:00:00 PM	0.411541	0.04901	0.061559	1.38467	0.316244	1.79	
26/01/2014 2:15:00 PM	0.417404	0.048775	0.06078	1.4019	0.300236	1.78	
26/01/2014 2:30:00 PM	0.419572	0.047551	0.060856	1.30609	0.272157	1.76	
26/01/2014 2:45:00 PM	0.427289	0.047983	0.060259	1.34108	0.256106	1.75	
26/01/2014 3:00:00 PM	0.425094	0.04692	0.060068	1.33955	0.256675	1.75	
26/01/2014 3:15:00 PM	0.428514	0.047408	0.060388	1.34773	0.249409	1.74	
26/01/2014 3:30:00 PM	0.431078	0.047325	0.060842	1.36058	0.254219	1.73	
26/01/2014 3:45:00 PM	0.434036	0.048389	0.060493	1.36538	0.260824	1.74	
26/01/2014 4:00:00 PM	0.476886	0.047739	0.06111	1.37144	0.264246	1.74	
26/01/2014 4:15:00 PM	0.461831	0.047795	0.061095	1.37621	0.297633	1.75	
26/01/2014 4:30:00 PM	0.463952	0.050134	0.061253	1.39231	0.317942	1.74	
26/01/2014 4:45:00 PM	0.463373	0.048554	0.061186	1.39843	0.317177	1.75	
26/01/2014 5:00:00 PM	0.486432	0.049088	0.06174	1.40468	0.323229	1.77	
26/01/2014 5:15:00 PM	0.474053	0.049061	0.061521	1.39482	0.321233	1.81	
26/01/2014 5:28:03 PM	0.414000	0.043001	0.001321	1.03402	0.021200	1.01	(123 7 mg
26/01/2014 5:30:00 PM	0.459197	0.048301	0.060966	1.24604	0.318641	1.85	5:33 7 m
26/01/2014 5:45:00 PM	0.439197	0.046301	0.060952	1.22595	0.302568	1.86	# Sand # 6
26/01/2014 6:00:00 PM							
	0.05515	0.048076	0.061258	1.13766	0.303886	2.09	Filter wash
26/01/2014 6:15:00 PM	0.143347	0.047449	0.061291	1.14366	0.55426	2.28	7:1101 0040
26/01/2014 6:30:00 PM	0.07736	0.048619	0.059939	1.1155	0.445252	2.38	
26/01/2014 6:45:00 PM	0.142521	0.046708	0.059199	0.98741	0.445214	2.4	
26/01/2014 7:00:00 PM	0.218546	0.047095	0.058162	0.95916	0.438164	2.32	
26/01/2014 7:15:00 PM	0.140795	0.044774	0.056943	0.506502	0.231291	2.18	
26/01/2014 7:30:00 PM	0.112367	0.044047	0.055835	0.297728	0.1588	2.09	
26/01/2014 7:45:00 PM	0.105581	0.042993	0.055128	0.241763	0.114762	2.02	
26/01/2014 8:00:00 PM	0.097699	0.042914	0.054674	0.229526	0.088445	1.97	
26/01/2014 8:15:00 PM	0.093535	0.043798	0.055132	0.216102	0.08043	1.95	
26/01/2014 8:30:00 PM	0.093057	0.044411	0.055973	0.217363	0.070805	1.9	
26/01/2014 8:45:00 PM	0.092662	0.045645	0.056437	0.215038	0.068565	1.88	
26/01/2014 9:00:00 PM	0.092693	0.044314	0.05724	0.217577	0.063191	1.85	
26/01/2014 9:15:00 PM	0.095112	0.045378	0.056972	0.219994	0.062118	1.83	
26/01/2014 9:30:00 PM	0.096407	0.046943	0.057058	0.228855	0.059564	1.81	
26/01/2014 9:45:00 PM	0.098407	0.045576	0.057077	0.234683	0.059461	1.8	
26/01/2014 10:00:00 PM	0.101241	0.045686	0.057693	0.241964	0.057785	1.8	
26/01/2014 10:15:00 PM	0.103867	0.047302	0.057679	0.254977	0.057237	1.8	
26/01/2014 10:30:00 PM	0.105569	0.045672	0.057622	0.258475	0.056982	1.79	
26/01/2014 10:45:00 PM	0.107213	0.045884	0.05745	0.268853	0.056803	1.79	
26/01/2014 11:00:00 PM	0.107213	0.045684	0.03743	0.275607	0.056283	1.78	
26/01/2014 11:15:00 PM	0.107676	0.046971	0.057926	0.273007	0.055746	1.78	
26/01/2014 11:13:00 PM	0.109263					1.79	
		0.046216	0.057521	0.286642	0.05599		
26/01/2014 11:45:00 PM	0.115627	0.04704	0.057913	0.289307	0.055263	1.81	

Time	0 1-1 1	T 1 " 0		T 1 4 5	T 1 11 0	5 .010	
Time 27/01/2014 12:00:00 AM	Combined				Turb # 6	Post CL2	
27/01/2014 12:00:00 AM	0.114461	0.0475	0.058472	0.302034	0.055404	1.81	
27/01/2014 12:15:00 AM	0.114938	0.047146	0.058329	0.306061	0.05509	1.83	
27/01/2014 12:30:00 AM	0.117881	0.045741	0.057975	0.309923	0.055025	1.84	
27/01/2014 1:00:00 AM	0.120194	0.046289	0.058037	0.314909	0.054586	1.85	
27/01/2014 1:00:00 AM 27/01/2014 1:15:00 AM	0.123262	0.045958	0.058248	0.322475	0.054916	1.85	
	0.131183	0.046211	0.057861	0.335115	0.054618	1.85	
27/01/2014 1:30:00 AM 27/01/2014 1:45:00 AM	0.288596	0.045953	0.058276	0.37265	0.054623	1.85	
	0.290283	0.046819	0.058267	0.904478	0.059119	1.85	
27/01/2014 2:00:00 AM	0.296415	0.046722	0.058319	0.984251	0.058983	1.85	
27/01/2014 2:15:00 AM	0.303663	0.045866	0.057579	0.999757	0.057986	1.85	
27/01/2014 2:30:00 AM	0.308176	0.046008	0.058004	1.01826	0.056695	1.85	
27/01/2014 2:45:00 AM	0.316511	0.046077	0.057722	1.0374	0.055654	1.85	
27/01/2014 3:00:00 AM	0.321783	0.047652	0.057827	1.07297	0.054417	1.85	
27/01/2014 3:15:00 AM	0.325164	0.047514	0.057789	1.07964	0.054043	1.85	
27/01/2014 3:30:00 AM	0.32628	0.047325	0.057899	1.09347	0.052731	1.84	
27/01/2014 3:45:00 AM	0.331998	0.046344	0.057392	1.0978	0.051484	1.85	
27/01/2014 4:00:00 AM	0.335704	0.0468	0.057593	1.13264	0.050649	1.85	
27/01/2014 4:15:00 AM	0.341179	0.045506	0.057789	1.15615	0.050074	1.84	
27/01/2014 4:30:00 AM	0.421153	0.048283	0.057756	1.1612	0.050735	1.84	
27/01/2014 4:45:00 AM	0.396666	0.045902	0.057493	1.12196	0.051115	1.75	5:00 AM
27/01/2014 5:00:00 AM	0.369153	0.046616	0.057541	1.02678	0.050546	1.7	# 1 141
27/01/2014 5:15:00 AM	0.400567	0.04622	0.057665	1.07301	0.08216	1.7	5 and 6
27/01/2014 5:30:00 AM	0.070507	0.045654	0.057842	0.906711	0.063246	1.81	filter wosh
27/01/2014 5:45:00 AM	0.051757	0.046303	0.057822	0.925568	0.388725	1.86	7:1701 2000
27/01/2014 6:00:00 AM	0.213651	0.047146	0.057904	1.50515	0.366291	1.89	
27/01/2014 6:15:00 AM	0.145292	0.046312	0.057865	0.452457	0.326618	1.9	
27/01/2014 6:30:00 AM	0.124382	0.047242	0.057025	0.331604	0.14398	1.91	
27/01/2014 6:45:00 AM	0.120625	0.045787	0.056824	0.314691	0.103868	1.9	
27/01/2014 7:00:00 AM	0.113584	0.045778	0.057039	0.289776	0.085907	1.9	
27/01/2014 7:15:00 AM	0.110551	0.045341	0.057158	0.283856	0.076537	1.89	
27/01/2014 7:30:00 AM	0.108551	0.046041	0.057402	0.278552	0.069075	1.88	
27/01/2014 7:45:00 AM	0.109389	0.044945	0.057025	0.283328	0.064883	1.88	
27/01/2014 8:00:00 AM	0.110097	0.046395	0.057464	0.282943	0.062232	1.87	
27/01/2014 8:15:00 AM	0.231763	0.047251	0.05744	0.284794	0.059715	1.86	
27/01/2014 8:30:00 AM	0.159526	0.046225	0.057732	0.512799	0.05887	1.86	
27/01/2014 8:45:00 AM	0.203886	0.046234	0.057732	0.488387	0.058598	1.86	
27/01/2014 9:00:00 AM	0.211925	0.046294	0.057163	0.499719	0.21222	1.85	
27/01/2014 9:15:00 AM	0.216695	0.04605	0.057125	0.515585	0.228358	1.85	
27/01/2014 9:30:00 AM	0.219705	0.04645	0.057397	0.537978	0.233737	1.85	
27/01/2014 9:45:00 AM	0.222797	0.044461	0.056943	0.53515	0.239968	1.85	
27/01/2014 10:00:00 AM	0.247906	0.046704	0.057364	0.562052	0.243449	1.84	
27/01/2014 10:15:00 AM	0.30308	0.045152	0.056862	0.794602	0.243444	1.84	
27/01/2014 10:30:00 AM	0.302223	0.046308	0.057206	0.940667	0.25083	1.84	
27/01/2014 10:45:00 AM	0.314711	0.045474	0.056838	0.925426	0.251811	1.83	
27/01/2014 11:00:00 AM	0.414159	0.045355	0.057125	1.41014	0.256079	1.82	
27/01/2014 11:15:00 AM	0.416566	0.045649	0.056518	1.39852	0.256225	1.82	
27/01/2014 11:30:00 AM	0.421212	0.045161	0.056982	1.39658	0.261778	1.81	
27/01/2014 11:45:00 AM	0.400266	0.046667	0.056523	1.42028		1.81	
27/01/2014 12:00:00 PM	0.429207	0.048545	0.056628	1.52277		1.81	
27/01/2014 12:15:00 PM	0.440717	0.046294	0.055343	1.51465	0.270954	1.8	
27/01/2014 12:30:00 PM	0.444314	0.04535	0.055524	1.51953	0.270997	1.79	

27/01/2014 12:45:00 PM	0.451045	0.044535	0.055285	1.55048	0.274896	1.78	
27/01/2014 1:00:00 PM	0.459972	0.044959	0.055376	1.57728	0.27989	1.78	
27/01/2014 1:15:00 PM	0.467682	0.045157	0.054669	1.58357	0.292129	1.79	
27/01/2014 1:30:00 PM	0.472519	0.045037	0.054502	1.61405	0.296251	1.8	
27/01/2014 1:45:00 PM	0.474804	0.045815	0.054473	1.6253	0.295296	1.8	
27/01/2014 2:00:00 PM	0.479415	0.044125	0.054282	1.63591	0.299895	1.8	
27/01/2014 2:15:00 PM	0.58615	0.044484	0.054129	1.64157	0.300345	1.81	
27/01/2014 2:30:00 PM	0.512899	0.044922	0.053819	1.90101	0.304916	1.82	
27/01/2014 2:45:00 PM	0.552454		0.0539	1.7877	0.304314	1.83	3:22 pm
27/01/2014 3:00:00 PM	0.529469	0.04546	0.053446	1.77797	0.300009	1.87	
27/01/2014 3:15:00 PM	0.520002	0.045055	0.053188	1.58532	0.2829	1.91	= 5 and #
27/01/2014 3:30:00 PM	0.057001	0.045396	0.053145	2.06756	0.278556	1.92	filter w
27/01/2014 3:45:00 PM	0.050951	0.044282	0.052963	1.54521	0.329481	1.91	tilter w
27/01/2014 4:00:00 PM	0.051683	0.046128	0.052075	1.01248	0.945257	2.32	
27/01/2014 4:15:00 PM	0.130017	0.043541	0.042519	0.96588	0.708294	2.44	
27/01/2014 4:30:00 PM	0.162128	0.04337	0.046456	1.01817	0.67958	2.52	
27/01/2014 4:45:00 PM	0.323415	0.04331	0.045128		0.654559	2.49	
27/01/2014 5:00:00 PM	0.372217	0.04128	0.045099	0.708255	0.28592	2.32	
27/01/2014 5:15:00 PM	0.310034	0.042362	0.044397	0.668538	0.412515	2.22	
27/01/2014 5:30:00 PM	0.296505	0.040534	0.043565	0.684333	0.386713	2.13	
27/01/2014 5:45:00 PM	0.290255	0.042173	0.043307	0.693973	0.379723	2.06	
27/01/2014 6:00:00 PM	0.297327	0.041888	0.043876	0.691183	0.378633	2.01	
27/01/2014 6:15:00 PM	0.416922	0.043297	0.044119	0.697412	0.396447	2.03	
27/01/2014 6:30:00 PM	0.338494	0.041018	0.043493		0.423789	2.07	
27/01/2014 6:45:00 PM	0.318022	0.04262	0.042438	0.722751	0.440323	2.02	
27/01/2014 7:00:00 PM	0.326468	0.042486	0.042681	0.748839	0.443365	1.98	
27/01/2014 7:15:00 PM	0.329101	0.042721	0.043656	0.780161	0.450344	1.94	
27/01/2014 7:30:00 PM	0.359193	0.043987	0.040804	0.80459	0.47088	1.92	
27/01/2014 7:45:00 PM	0.358207	0.043347	0.045333	0.866692	0.483206	1.9	
27/01/2014 8:00:00 PM	0.367869	0.042136	0.045773	0.908512	0.494941	1.89	
27/01/2014 8:15:00 PM	0.378835	0.043835	0.046308	0.942155	0.513459	1.87	
27/01/2014 8:30:00 PM	0.394165	0.04396	0.045624	0.968293	0.526284	1.87	
27/01/2014 8:45:00 PM	0.504888	0.043168	0.045386	0.999874	0.542596	1.86	
27/01/2014 9:00:00 PM	0.503914	0.043076	0.044478	1.02702	0.909771	1.86	
27/01/2014 9:15:00 PM	0.513431	0.043729	0.045147	1.05507	0.985879	1.86	
27/01/2014 9:30:00 PM	0.530769	0.044323	0.046164	1.15532	0.980343	1.86	
27/01/2014 9:45:00 PM	0.539911	0.044972	0.045424	1.13858	1.00771	1.86	
27/01/2014 10:00:00 PM	0.557808	0.0439	0.045113	1.17141	1.03407	1.86	
27/01/2014 10:15:00 PM	0.610817	0.04546	0.041893	1.179	1.05373	1.85	
27/01/2014 10:30:00 PM	0.616613	0.043126	0.04368	1.34308	1.04965	1.85	
27/01/2014 10:45:00 PM	0.634698	0.04302	0.0468	1.38525	1.06962	1.86	
27/01/2014 11:00:00 PM	0.640341	0.04523	0.04679	1.43356	1.08187	1.87	
27/01/2014 11:15:00 PM	0.647456	0.043946	0.045132	1.47599	1.10411	1.87	
27/01/2014 11:30:00 PM	0.659667	0.043835	0.045032	1.4802	1.10955	1.88	
27/01/2014 11:45:00 PM	0.664046	0.044254	0.045472	1.50641	1.13742	1.88	

Time	0	T # 0	T # 4	T 4 C	T	Da-4 01 0	
28/01/2014 12:00:00 AM	Combined			Turb # 5		Post CL2	
28/01/2014 12:05:00 AM		0.044926			1.15597		
28/01/2014 12:15:00 AM		0.043112			1.14957		
28/01/2014 12:45:00 AM		0.043472			1.16465		
28/01/2014 1:00:00 AM	0.710097	0.04587		1.59555	1.20101	1.88	
		0.044609			1.1584		1:17 Am
28/01/2014 1:15:00 AM		0.044452			1.17064		Male
28/01/2014 1:30:00 AM		0.044259			0.965229		# Sand # 6
28/01/2014 1:45:00 AM		0.043748					
28/01/2014 2:00:00 AM		0.043352			1.40233		filter was
28/01/2014 2:15:00 AM		0.045313			1.44122		
28/01/2014 2:30:00 AM			0.045897		1.37326		
28/01/2014 2:45:00 AM		0.044475					
28/01/2014 3:00:00 AM		0.045686					
28/01/2014 3:15:00 AM		0.043117				1.92	
28/01/2014 3:30:00 AM		0.045069					
28/01/2014 3:45:00 AM	0.195088	0.045258	0.045873	0.629035	0.07998	1.89	
28/01/2014 4:00:00 AM	0.210019	0.043264	0.045529	0.65708	0.074829	1.88	
28/01/2014 4:15:00 AM	0.237715	0.04279	0.045008	0.727138	0.070393	1.85	
28/01/2014 4:30:00 AM	0.2415			0.830951	0.06894	1.86	
28/01/2014 4:45:00 AM	0.245057	0.044977	0.043947	0.837889	0.066846	1.85	
28/01/2014 5:00:00 AM	0.288604	0.044434	0.044564	0.861493	0.065268	1.84	
28/01/2014 5:15:00 AM	0.3058	0.047021	0.042466	1.03154	0.065588	1.84	
28/01/2014 5:30:00 AM	0.306579	0.045106	0.04302	1.1101	0.06612	1.84	
28/01/2014 5:45:00 AM	0.30598	0.04407	0.044306	1.11097	0.065979	1.83	
28/01/2014 6:00:00 AM	0.35877	0.04453	0.045558	1.15829	0.065691	1.84	
28/01/2014 6:15:00 AM	0.339551	0.0436	0.044459	1.26953	0.064694	1.83	
28/01/2014 6:30:00 AM	0.348329	0.04576	0.043608	1.29442	0.06554	1.83	
28/01/2014 6:45:00 AM	0.354595	0.044503	0.044115	1.28973	0.064569	1.84	
28/01/2014 7:00:00 AM	0.404477	0.043927	0.043981	1.45814	0.065648	1.98	
28/01/2014 7:15:00 AM	0.376957	0.044024	0.043575	1.43603	0.06708	1.99	
28/01/2014 7:30:00 AM	0.392815	0.04564	0.043054	1.43216	0.063951	1.95	
28/01/2014 7:45:00 AM	0.397675	0.044365	0.041721	1.49248	0.064585	1.94	
28/01/2014 8:00:00 AM	0.394028	0.042647	0.042872	1.49769	0.065095	1.92	
28/01/2014 8:15:00 AM	0.401667	0.046133	0.046102	1.51644	0.064775	1.91	
28/01/2014 8:30:00 AM	0.400114	0.044995	0.045663	1.5117	0.065496	1.89	
28/01/2014 8:45:00 AM	0.40609	0.043172	0.045753	1.55909	0.066727	1.89	
28/01/2014 9:00:00 AM	0.451601	0.042588	0.045204	1.57675	0.066141	1.88	
28/01/2014 9:15:00 AM	0.434393	0.04366		1.68644	0.068159	1.87	
28/01/2014 9:30:00 AM	0.438596	0.044171			0.067866	1.87	
28/01/2014 9:45:00 AM	0.449194	0.044498			0.068294		
28/01/2014 10:00:00 AM	0.532913	0.042509	0.042514	1.70699	0.068359	1.86	
28/01/2014 10:15:00 AM		0.043287					
28/01/2014 10:30:00 AM		0.043398					
28/01/2014 10:45:00 AM	0.498098						
28/01/2014 11:00:00 AM		0.046358			0.070642		
28/01/2014 11:15:00 AM		0.043361			0.071884		
28/01/2014 11:30:00 AM	0.544466		0.042356		0.07414		
28/01/2014 11:45:00 AM	0.550301		0.046131	2.08983			
28/01/2014 12:00:00 PM	0.554818	0.04401	0.045615		0.074455		
28/01/2014 12:15:00 PM		0.044392					
28/01/2014 12:30:00 PM		0.044121	0.04507				

28/01/2014 12:45:00 PM	0.570629	0.042601	0.046843	2.19099	0.077627	1.8
28/01/2014 1:00:00 PM	0.575399	0.043909	0.045658	2.19799	0.077361	1.79
28/01/2014 1:15:00 PM	0.575454	0.04221	0.045687	2.19358	0.078787	1.78
28/01/2014 1:30:00 PM	0.580385	0.0446	0.045777	2.21763	0.080365	1.78
28/01/2014 1:45:00 PM	0.584091	0.044429	0.045481	2.24202	0.080897	1.78
28/01/2014 2:00:00 PM	0.595002	0.041694	0.044186	2.28307	0.082225	1.77
28/01/2014 2:15:00 PM	0.572671	0.044682	0.043986	2.21273	0.085029	1.78
28/01/2014 2:30:00 PM	0.544932	0.045497	0.044497	1.99735	0.081851	1.8
28/01/2014 2:45:00 PM	0.05969	0.043011	0.043637	2.65511	0.090652	1.83
28/01/2014 3:00:00 PM	0.052571	0.044641	0.041128	1.61436	0.163437	1.82
28/01/2014 3:15:00 PM	0.054391	0.041575	0.04249	0.894997	0.938598	1.8
28/01/2014 3:30:00 PM	0.319071	0.042426	0.0426	0.856788	1.112	1.77
28/01/2014 3:45:00 PM	0.153123	0.041087	0.042323	0.588136	0.907352	1.64
28/01/2014 4:00:00 PM	0.120339	0.041519	0.042027	0.311608	0.253622	1.64
28/01/2014 4:15:00 PM	0.097578	0.041248	0.040206	0.223593	0.148963	1.69
28/01/2014 4:30:00 PM	0.084702	0.041119	0.039509	0.189436	0.118889	1.73
28/01/2014 4:45:00 PM	0.077622	0.040801	0.037918	0.166137	0.094356	1.75
28/01/2014 5:00:00 PM	0.072057	0.041768	0.03775	0.162442	0.080984	1.76
28/01/2014 5:15:00 PM	0.070785	0.040921	0.043212	0.149576	0.072757	1.78
28/01/2014 5:30:00 PM	0.070969	0.04099	0.04132	0.149974	0.067378	1.79
28/01/2014 5:45:00 PM	0.067502	0.041174	0.043379	0.145177	0.066358	1.8
28/01/2014 6:00:00 PM	0.066742	0.041883	0.043914	0.141226	0.06234	1.81
28/01/2014 6:15:00 PM	0.068128	0.041634	0.044435	0.138993	0.060296	1.81
28/01/2014 6:30:00 PM	0.067791	0.041367	0.042958	0.14064	0.05926	1.82
28/01/2014 6:45:00 PM	0.068895	0.042739	0.044153	0.142479	0.058821	1.82
28/01/2014 7:00:00 PM	0.067267	0.04209	0.041363	0.146719	0.057324	1.82
28/01/2014 7:15:00 PM	0.07037	0.043918	0.044736	0.156464	0.057102	1.84
28/01/2014 7:30:00 PM	0.071423	0.043071	0.043078	0.157038	0.056738	1.85
28/01/2014 7:45:00 PM	0.075951	0.043798	0.045156	0.161148	0.056592	1.85
28/01/2014 8:00:00 PM	0.074793	0.046602	0.045854	0.167972	0.055713	1.86
28/01/2014 8:15:00 PM	0.072695	0.042187	0.045777	0.174697	0.055621	1.87
28/01/2014 8:30:00 PM	0.076937	0.044742	0.044559	0.176326	0.054857	1.87
28/01/2014 8:45:00 PM	0.153925	0.042974	0.043503	0.182255	0.054743	1.87
28/01/2014 9:00:00 PM	0.133093	0.042362	0.036221	0.430411	0.054705	1.88
28/01/2014 9:15:00 PM	0.135391	0.042537	0.044798	0.415987	0.054439	1.88
28/01/2014 9:30:00 PM	0.13725	0.045262	0.035524	0.426683	0.055638	1.88
28/01/2014 9:45:00 PM	0.141672	0.043785	0.036131	0.435363	0.054428	1.88
28/01/2014 10:00:00 PM	0.144224	0.042486	0.036823	0.449817	0.055079	1.88
28/01/2014 10:15:00 PM	0.145104	0.04372	0.04582	0.459156	0.054472	1.89
28/01/2014 10:30:00 PM	0.149538	0.042035	0.046002	0.477272	0.05343	1.89
28/01/2014 10:45:00 PM	0.161091	0.042684	0.046102	0.492115	0.054238	1.88
28/01/2014 11:00:00 PM	0.241214	0.04337	0.045878	0.832229	0.054596	1.88
28/01/2014 11:15:00 PM	0.249687	0.044972	0.044411	0.900632	0.055106	1.88
28/01/2014 11:30:00 PM	0.254454	0.041262	0.045629	0.933013	0.055263	1.88
28/01/2014 11:45:00 PM	0.26432	0.044461	0.043871	0.938145	0.054764	1.88

1:55 pu 5 5 and 4 6 F: Iter was

Time		bined Turb		Turb # 4			Post		
29/01/2014 12:00:00 AM		0.264429		0.0455	0.967501	0.054575		1.88	
29/01/2014 12:15:00 AM		0.264922				0.054992		1.88	
29/01/2014 12:30:00 AM		0.270429			1.00385	0.05426		1.88	
29/01/2014 12:45:00 AM		0.275939	0.043255	0.043747	1.04179	0.055583		1.88	
29/01/2014 1:00:00 AM		0.280585	0.04453	0.043943	1.05692	0.055453		1.88	
29/01/2014 1:15:00 AM		0.282185	0.044705	0.04379	1.05983	0.054981		1.88	
29/01/2014 1:30:00 AM		0.282162	0.044153	0.045768	1.07086	0.055209		1.88	
29/01/2014 1:45:00 AM		0.291187	0.041634	0.044272	1.08488	0.055903		1.88	
29/01/2014 2:00:00 AM		0.292736	0.041943	0.047641	1.12067	0.055871		1.87	
29/01/2014 2:15:00 AM		0.293398	0.043002	0.045844	1.1153	0.055632		1.88	
29/01/2014 2:30:00 AM		0.299746	0.044719			0.056088		1.88	
29/01/2014 2:45:00 AM		0.301542						1.88	
29/01/2014 3:00:00 AM		0.307894						1.79	
29/01/2014 3:15:00 AM		0.294478						1.76	
29/01/2014 3:30:00 AM		0.156254							3:45 Am
29/01/2014 3:45:00 AM		0.0524616						1.74	1 = 1 = 1 /
29/01/2014 4:00:00 AM		0.0495538						1.73	# Sand # 6 f. Iter wash
29/01/2014 4:15:00 AM		0.0491977						1.92	(11 was 1
29/01/2014 4:30:00 AM		0.0475814						1.93	f: Iter
29/01/2014 4:45:00 AM		0.136709						2.01	No. of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of
29/01/2014 5:00:00 AM		0.0497534				0.245873		2.07	
29/01/2014 5:15:00 AM		0.0497334						2.08	
29/01/2014 5:30:00 AM		0.203461						2.00	
29/01/2014 5:45:00 AM								1.93	
		0.3281							
29/01/2014 6:00:00 AM		0.317948						1.87	
29/01/2014 6:15:00 AM		0.309753						1.82	
29/01/2014 6:30:00 AM		0.311917						0	
29/01/2014 6:44:23 AM		0.365627						1.76	
29/01/2014 6:45:00 AM		0.376456						1.76	
29/01/2014 7:00:00 AM		0.429274						0	£1. 1 +w
29/01/2014 7:15:00 AM		0.350098						1.9	Electricity
29/01/2014 7:30:00 AM		0.385297						1.89	Blinkdafew
29/01/2014 7:45:00 AM		0.357326				0.327453		1.87	
29/01/2014 8:00:00 AM	Bad		Bad	Bad	Bad	Bad	Bad		Times then a
29/01/2014 8:09:06 AM				_		2			at 8:30 A m.
29/01/2014 8:15:00 AM			Bad	Bad	Bad	Bad	Bad		
29/01/2014 8:30:00 AM			Bad	Bad	Bad	Bad	Bad		Onagaina
29/01/2014 9:26:04 AM	Bad		Bad	Bad	Bad	Bad	Bad		On again at q:27 Am
29/01/2014 9:30:00 AM		1.1109		0.046919		0.460549		0	4.214
29/01/2014 9:45:00 AM			Bad 0.673			0.487522		1.77	
29/01/2014 10:00:00 AM			Bado. 062			0.426522		1.77	
29/01/2014 10:15:00 AN	1	0.436623	Bado.044	0.046059	1.28052	0.431451		1.78	
29/01/2014 10:30:00 AM	1	0.415173	Bad 0.06	3 0.045663	1.1901	0.419195		1.79	
29/01/2014 10:40:16 AM	1								
29/01/2014 10:45:00 AN	1	0.428659	0.061809	0.046059	1.22185	0.41374		1.77	
29/01/2014 10:59:59 AN	1	0.422969	0.061745	0.045242	1.21152	0.414841		1.76	
29/01/2014 11:00:00 AM	1	0.422969	0.061745	0.045242	1.21152	0.413718		1.76	
29/01/2014 11:15:00 AM	1	0.379203	0.061579	0.046217	1.2358	0.423268		1.76	
29/01/2014 11:30:00 AM	1	0.439703	0.06052			0.436825		1.76	
29/01/2014 11:45:00 AM			0.060543			0.449753		1.74	
29/01/2014 12:00:00 PM	1	0.458735	0.058066	0.04442	1.31583	0.444081		1.72	

11:00 Am - Motor and Gear Box unit installed on

#3 Clarifier. Rake is now Turning

29/01/2014 12:15:00 PM	0.461021	0.059075	0.044554	1.34241	0.450913	1.72	
29/01/2014 12:30:00 PM	0.52082	0.055129	0.04508	1.44042	0.458174	1.7	
29/01/2014 12:45:00 PM	0.46504	0.056211	0.044291	1.41212	0.457182	1.69	
29/01/2014 1:00:00 PM	0.467036	0.055419	0.04487	1.39325	0.452291	1.69	
29/01/2014 1:15:00 PM	0.443222	0.054457	0.045166	1.34308	0.44978	1.68	
29/01/2014 1:30:00 PM	0.504176	0.055456	0.044463	1.31103	0.439666	1.68	
29/01/2014 1:45:00 PM	0.449159	0.055028	0.043689	1.38978	0.435908	1.67	
29/01/2014 2:00:00 PM	0.421548	0.059618	0.042992	1.31007	0.413068	1.67	
29/01/2014 2:15:00 PM	0.402947	0.058076	0.043135	1.25014	0.415161	1.66	
29/01/2014 2:30:00 PM	0.400481	0.058181	0.041826	1.1776	0.383112	1.65	
29/01/2014 2:45:00 PM	0.37347	0.05832	0.032308	1.10988	0.373894	1.65	
29/01/2014 3:00:00 PM	0.342427	0.055879	0.032772	1.05696	0.342247	1.64	
29/01/2014 3:15:00 PM	0.322249	0.056874	0.041525	0.979002	0.325799	1.64	
29/01/2014 3:30:00 PM	0.311514	0.056229	0.041463	0.914428	0.302378	1.64	
29/01/2014 3:45:00 PM	0.28408	0.054411	0.041711	0.854986	0.298322	1.64	
29/01/2014 4:00:00 PM	0.285962	0.05436	0.042619	0.814884	0.269782	1.64	
29/01/2014 4:15:00 PM	0.281172	0.055295	0.042019	0.762309	0.261274	1.63	
29/01/2014 4:30:00 PM	0.271008	0.055295	0.043440	0.762309	0.247598	1.62	
29/01/2014 4:45:00 PM	0.287903	0.050296	0.042232	0.740444	0.232897	1.62	
29/01/2014 5:00:00 PM	0.263932		0.043163	0.699285	0.232697	1.61	
29/01/2014 5:15:00 PM	0.236921	0.055912	0.043069	0.699263	0.224302	1.63	
29/01/2014 5:30:00 PM	0.274206	0.055912			0.220309	1.64	5:29P W
29/01/2014 5:45:00 PM	0.0543558		0.043255	1.05502	0.209427		2.011
29/01/2014 6:00:00 PM	0.0497769	0.058246	0.042643	1.12852		1.00	#6 4 # 6
29/01/2014 6:15:00 PM		0.060152	0.042777	0.792558	0.534933	1.81	#Sand # 6 Filter Wash
29/01/2014 6:30:00 PM	0.0488925	0.057574	0.035624	0.504102	0.536696 0.490971	1.86	I.Itar Wash
29/01/2014 6:45:00 PM	0.186839	0.055299	0.035591	0.461531		1.88	7.1101
29/01/2014 7:00:00 PM	0.13786	0.055115	0.033517	0.309496	0.444108		
29/01/2014 7:00:00 PM	0.122225	0.057307	0.041296	0.264689	0.251139	1.86	
	0.109921	0.052215	0.041726	0.20774	0.188376	1.85	
29/01/2014 7:30:00 PM	0.0937852	0.053669	0.042227	0.179104	0.148529	1.83	
29/01/2014 7:45:00 PM	0.104109	0.055391	0.042361	0.164725	0.133422	1.81	
29/01/2014 8:00:00 PM	0.0842752		0.041492	0.150665	0.11192	1.8	
29/01/2014 8:15:00 PM	0.0875352		0.041955	0.148252	0.099535	1.8	
29/01/2014 8:30:00 PM	0.0957616	0.054682	0.043618	0.190713	0.091205	1.79	
29/01/2014 8:45:00 PM	0.093206	0.057767	0.043809	0.21976	0.086694	1.79	
29/01/2014 9:00:00 PM	0.0953546	0.053794	0.042557	0.188447	0.078961	1.78	
29/01/2014 9:15:00 PM	0.0944818					1.78	
29/01/2014 9:30:00 PM	0.0866468		0.043971	0.181341	0.071033	1.79	
29/01/2014 9:45:00 PM	0.0849992	0.05494	0.044033	0.168517	0.069737	1.85	
29/01/2014 10:00:00 PM	0.0792736	0.057228	0.041649	0.164847	0.068983	1.84	
29/01/2014 10:15:00 PM	0.0806669	0.054959	0.041439	0.164399	0.066852	1.83	
29/01/2014 10:30:00 PM	0.0796298		0.043106	0.161583	0.066467	1.83	
29/01/2014 10:45:00 PM	0.0771055		0.042586	0.161474	0.06535	1.82	
29/01/2014 11:00:00 PM	0.0769998	0.055493	0.041224	0.155844	0.064059	1.81	
29/01/2014 11:15:00 PM	0.0761897	0.056575	0.041343	0.15956	0.061597	1.82	
29/01/2014 11:30:00 PM	0.0758806	0.055815	0.041702	0.152597	0.062779	1.82	
29/01/2014 11:45:00 PM	0.0755518	0.056211	0.043078	0.157201	0.061554	1.82	

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY)	YYY) <b>01/2014</b>	
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL O	F THE FIELDS ARE P	RE-
Telephone (Co.)		PL	ANT INF	ORMATION ORMATION	Miles Miles San San San San San San San San San San	States
	Management of the State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of Sta			O ALL PLANTS		
PLANTID A			ТО	TAL WATER TREATED (gallons)	61,153,000	
PLANT NAME	Martin County Wa	ater District	_ AV	E. DAILY PRODUCTION (gallons)	1,972,677	
AGENCY INTER	EST	_	MA	XIMUM PUMPAGE (gallons per day)	2,052,000	-
				FFLUENT TURBIDITY		VES III
		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION		-
ANALYTE CODE						_
	nonitored continuously? (Y/					Y
	ents recorded every 15 mir	10.00				Y
	re of the continuous monito			and over few hours of anothing? (V/A)		N
1	as the continuously monitor			cted every four hours of operation? (Y/N)	***************************************	
	ter level greater than 1.0 N					Y
				surements after on line for more than four ho	ours? (Y/N)	Y
1				surements in three consecutive months? (Y		N
Was individual fil	ter level greater than 2.0 N	TU in two consecut	ive meas	surements in two consecutive months? (Y/N	1)	N
If any of the last	4 boxes are YES, fill out	the Individual Filt	ter Turbi	dity Sheet and submit with the MOR		
Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro					
	IBINED FILTER EFFLUEN		Y	ENTRY POINT RESIDUAL DISINFEC		N
	IBINED FILTER EFFLUEN ABLE TO ALL PLANTS W		X(6)	ENTRY POINT RESIDUAL DISINFEC APPLICABLE TO ALI		N
APPLIC	ABLE TO ALL PLANTS W		.y	APPLICABLE TO ALI		ON
APPLIC ANALYTE CODE	ABLE TO ALL PLANTS W		740.0	APPLICABLE TO ALI		31
ANALYTE CODE Number of hours	ABLE TO ALL PLANTS W	/ITH FILTRATION	740.0 Y	APPLICABLE TO ALI ANALYTE CODE 0999	L PLANTS	
APPLIC  ANALYTE CODE  Number of hours  Were samples ta  Number of samp	able to all plants w  1000 of plant operation ken every 4 hours of plant les taken	/ITH FILTRATION		APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record	on? (Y/N)	31  Y   31
APPLIC  ANALYTE CODE  Number of hours  Were samples ta  Number of samp  Highest single tu	able to all plants w  1000  of plant operation  ken every 4 hours of plant les taken  rbidity reading	/ITH FILTRATION	Y	APPLICABLE TO ALI  ANALYTE CODE	on? (Y/N)	31 Y
APPLIC  ANALYTE CODE  Number of hours  Were samples ta  Number of samp  Highest single tu  For all filtration e	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration:	/ITH FILTRATION	186 0.71	APPLICABLE TO ALI  ANALYTE CODE	on? (Y/N)	31 Y 31
APPLIC  ANALYTE CODE  Number of hours  Were samples ta  Number of samp  Highest single tu  For all filtration e  Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU	/ITH FILTRATION	186 0.71 26	APPLICABLE TO ALI  ANALYTE CODE	on? (Y/N) ded lant operation? (Y/N)	31 Y 31
APPLIC  ANALYTE CODE  Number of hours  Were samples ta  Number of samp  Highest single tu  For all filtration e  Number of sa  Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 0.3 NTU	/ITH FILTRATION	186 0.71 26	APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pl  Free Chlorine (for all disinfectants except)	on? (Y/N) ded lant operation? (Y/N)	31   <u>Y</u>   31  1.65
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU	/ITH FILTRATION	186 0.71 26	APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pl  Free Chlorine (for all disintectants except  Number of samples under 0.2 mg/L	on? (Y/N) ded lant operation? (Y/N) chloromine):	31  Y   31
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa When filtration is	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU mples exceeded 1 NTU	/ITH FILTRATION	186 0.71 26	APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pl  Free Chlorine (for all disinfectants except)	on? (Y/N) ded lant operation? (Y/N) chloromine):	31  Y   31  1.65
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration:	/ITH FILTRATION	186 0.71 26	APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pl  Free Chlorine (for all disintectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine)	on? (Y/N) ded lant operation? (Y/N) chloromine):	31  Y   31  1.65
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU mples exceeded 1 NTU mples exceeded 5 NTU	operation? (Y/N)	186 0.71 26	APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pl  Free Chlorine (for all disintectants except  Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine)  Number of samples under 0.5 mg/L	en? (Y/N) ded lant operation? (Y/N) chloromine):	31  Y   31  1.65
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU	operation? (Y/N)	186 0.71 26 10 0	APPLICABLE TO ALI  ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation  Number of lowest chlorine samples record Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of pl  Free Chlorine (for all disintectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine)	Int operation? (Y/N) chloromine):	31 Y 31 1.65
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa When filtration is Number of sa Number of sa	able to all Plants W  1 0100  of plant operation  ken every 4 hours of plant  les taken  rbidity reading  xcept slow sand filtration:  mples exceeded 0.1 NTU  mples exceeded 1 NTU  slow sand filtration:  mples exceeded 1 NTU  slow sand filtration:  mples exceeded 5 NTU  INDICATE ENTRY POIL  E TO PLANTS UTILIZING	operation? (Y/N)	186 0.71 26 10 0	APPLICABLE TO ALI  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pl Free Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine) Number of samples under 0.5 mg/L	Int operation? (Y/N) chloromine):	31  Y   31  1.65    0
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU slow sand filtration: mples exceeded 5 NTU  NEDIOXIDE ENTRY POI E TO PLANTS UTILIZING 1008 of plant operation	operation? (Y/N)  NT MONITORING CHLORINE DIOXI	186 0.71 26 10 0	APPLICABLE TO ALL  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pl Free Chlorine (for all disintectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZIN ANALYTE CODE 1009 Number of days of plant operation	L PLANTS  on? (Y/N) ded  lant operation? (Y/N) chloromine): amine):  MONITORING NG CHLORINE DIOXIDE	31  Y   31  1.65    0
APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU slow sand filtration: mples exceeded 5 NTU  INDIOXIDE ENTRY POI E TO PLANTS UTILIZING To plant operation ken each day of operation	operation? (Y/N)  NT MONITORING CHLORINE DIOXI	186 0.71 26 10 0	APPLICABLE TO ALL  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pl Free Chlorine (for all disintectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZIN ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation	L PLANTS  on? (Y/N) ded  lant operation? (Y/N) chloromine): amine):  MONITORING NG CHLORINE DIOXIDE	31 31 11.65 0
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APPLIC  ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of samp Highest single ch	of plant operation ken every 4 hours of plant les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU slow sand filtration: mples exceeded 5 NTU  INDIOXIDE ENTRY POI E TO PLANTS UTILIZING To plant operation ken each day of operation	operation? (Y/N)  NT MONITORING CHLORINE DIOXI	186 0.71 26 10 0	APPLICABLE TO ALL  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pl Free Chlorine (for all disintectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZIN ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of operation	L PLANTS  on? (Y/N)  ded  lant operation? (Y/N)  chloromine):  amine):  MONITORING NG CHLORINE DIOXIDE	31 Y 31 1.65

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

East T. alley
Signature of Prinicipal Executive Officer or Authorized Agent

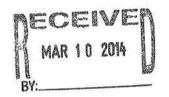
Date

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY08002	273	MONITORING PERIOD	(MMYYYY) 01/2014
AI 2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT A POPULATED FOR YOU!!	
0)(0	RCHASED		ED.
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FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	0		
KY0980575	0	-	
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	DISTRIBUTION RESIDUAL DIS	NFECTANT CONCENTRATION	
ANALYTE CODE 0999	APPLICABLE TO AL	L WATER STSTEMS	
Number of days of operation		Free Chlorine (for all disinfectants	except chloramine)
Were samples taken each day		Number of samples under 0.2 r	
Number of samples taken:	or operations (1714)	Total Chlorine (when disinfectant is	
FREE	124	Number of samples under 0.5 r	
TOTAL	124		
Lowest single FREE chlorine re			
Lowest single TOTAL chlorine	reading 0.51		
	***************************************		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

I certify under penalty of faw that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

PWS ID :	KY0800273 PLANT ID: /	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	PLANT CLASS: 3	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987	DATE MAILED:	03-06-2014
SOURCE NAME:	Crum Reservoir	COUNTY	Martin
	Tug Fork		Account of the contract of the
	OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	1V-A	17562
			04044
WTP SHIFT 2:	Michael Şartin	1V-A	21944
	Michael Sartin  Jerry L Belcher	1V-A 1V-A	21719
WTP SHIFT 2:			
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION:		1V-A	21719
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION:	Jerry L Belcher	1V-A	21719  APPLICABLE FIELD OFFICE
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION:	Jerry L Belcher PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE	1V-A	21719  APPLICABLE FIELD OFFICE
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REI	Jerry L Belcher PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE COMPLETE:	IV-A IN OF WATER AND IR THE END OF THE	21719  APPLICABLE FIELD OFFICE
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REI	Jerry L Belcher  PORT MUST BE RECEIVED BY THE DIVISIO  NO LATER THAN 10 DAYS AFTE  COMPLETE:  1,6	1V-A IN OF WATER AND IR THE END OF THE	21719  APPLICABLE FIELD OFFICE
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REI  TREATMENT PLANTS  1. DESIGN CAPACITY (gpm)	Jerry L Belcher  PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE COMPLETE:  1,6  Dual M	1V-A ON OF WATER AND OR THE END OF THE	21719  APPLICABLE FIELD OFFICE
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REI  TREATMENT PLANTS  1. DESIGN CAPACITY (gpm) 2. TYPE OF FILTRATION US	Jerry L Belcher  PORT MUST BE RECEIVED BY THE DIVISION NO LATER THAN 10 DAYS AFTE  COMPLETE:  1,6  ED: Dual M  E (gpm/sq. ft.): 2.6	1V-A ON OF WATER AND OR THE END OF THE	21719  APPLICABLE FIELD OFFICE
WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REI  TREATMENT PLANTS  1. DESIGN CAPACITY (gpm) 2. TYPE OF FILTRATION US 3. DESIGN FILTRATION RAT	Jerry L Belcher	1V-A IN OF WATER AND IR THE END OF THE	21719  APPLICABLE FIELD OFFICE

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273 Α

REPORT MONTH/YEAR:

02/2014 OF

-	APP							90 °	REPORT MO PAGE	NTH/YEAR:	02/2 OF	11
-	RAW WATER	HOURS PLANT	COAG		COAGL		ULDA Hq		DISINFE	CTANT	DISINFE	
	TREATED	OPERATED					P		Pr		Po	
AY	GALLONS		LB8	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
1	2,032,000	24.0	224.2	13,2	4.2	0.2			314,2	18.5	169.2	10.0
2	2,024,000	24.0	224.2	13.3	4.2	0.2			315.7	18,7	166.3	9.9
100 C	1,932,000	23,5	309.2	19,2	4.1	0.3			294.6	18.3	165.7	10.3
	2,002,000	24.0	315.7	18.9	4.2	0.3			297,6	17.8	169.2	10.1
5	2,054,000	24.0	448.4	26.2	4.2	0.2			333,3	19.5	159.8	9.3
6	2,075,000	24.0	448.4	25.9	4.2	0.2			361.8	20.9	163.5	9.4
7	2,001,000	24.0	409.2	24.5	4.2	0.3			365.5	21.9	164.5	9,9
8	1,995,000	24.0	362.6	21.8	4.2	0.3			371.3	22.3	168.6	10.1
9	2,021,000	24.0	362,6	21.5	4.2	0.2			365.0	21.7	155.5	9.2
10	1,987,000	24.0	362.6	21.9	4.2	0.3			333.1	20.1	159.8	9.6
11	2,036,000	24.0	362.6	21.4	4.2	0.2			336.1	19.8	159.8	9.4
12 (	1,976,000	24.0	362.6	22.0	4.2	0.3			346.7	21.0	159.8	9.7
13	2,017,000	24.0	362.6	21.6	4.2	0.2			359,5	21.4	159.8	9,5
200	1,963,000	24.0	362.6	22.2	4.2	0.3			365,2	22,3	163.5	10.0
14.	1,994,000	24.0	362.6	21.8	4.2	0.3			359.5	21.8	169.2	10.2
6	1,999,000	24.0	362.6	21.8	4.2	0.3			341.4	20.5	166.9	10.0
	2,040,000	24.0	319.0	18.7	4.2	0.2			347.6	20.4	169.2	9.9
	1,961,000	24.0	292.9	17.9	4.2	0.3			343.4	21.0	169.2	10.3
18			270.8	16.0	4.2	0.2			329,4	19.5	159.8	9.5
18	2,027,000	24.0				0.3			325.8	19.9	156.5	9.6
20:	1,964,000	23.5	252.2	15.4	4.2				181.9	18.4	93.2	9.4
21	1,183,000	14.0	197.5	20.0	2.5	0,3			317.5	19.0	159.8	9.5
27	2,007,000	24.0	338.6	20.2	4.2	0,3			357.4	21.0	159.8	9.4
25	2,042,000	24.0	338.6	19.9	4.2	0.2	<del> </del>				159.8	9.4
24	2,035,000	24.0	338.6	20.0	4.2	0.2	<u>-</u>		332.7	19.6	156.5	9.3
25	2,009,000	23.5	338.6	20.2	4.2	0.3			298.9	17.8	153.2	9.5
26	1,937,000	23.0	324.5	20.1	4.0	0.2			298.8	18.5		
7,	1,879,000	23.0	273.8	17.5	4.0	0.3			312.6	19.9	153.2	9.8
28 20	2,000,000	24,0	257.4	15.4	4.2	0.3			317.9	19.1	159.8	9.6
30 51												
OTAL	55,192,000		9185.6	46.5	115.4		0.0	4D1 (/0)	9224.3	20.0	4471.1 159.7	9.7
ERAGE	1,971,143		328.1	19.9	4:1	0.3	#DIV/01	#DIV/0!	329.4	20.0	108.1	0.1

2,075,000

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 02/2014

100	DISINFECTANT		FLUOR	FLUORIDE		ON SON	NEDDA CJADINE JLDA Ho	ISTMENT	KMI	104	CORRO	DSION	H2	02
					C.M.						INHIBITOR			
-			-				Pos		<u> </u>					
	LBS	PPM	LBS	РРМ	LBS	PPM	LB8	PPM	LBS	PPM	LBS	PPM	LBS	PPM
-	483.4	28.5	60.9	3.6	D12031240		85,9	5.1						
	482.0	28.6	60.9	3.6			85.9	5.1						
	460.3	28.6	59.7	3.7			85.9	5,3			- V			
88	466.8	28.0	60.9	3.6			66.2	4.0						
	493.1	28.8	60.9	3.6										
	525,3	30.4	60.9	3.5			73.6	4.3						
8	530.0	31.8	60.9	3.6			85.9	5.1						=77-
ISSNERS TO	539.9	32.4	60.9	3.7			85.9	5.2	ļ					
Selection	520.5	30.9	60.9	3.6			85.9	5,1						
	492.9	29.7	60.9	3.7			85.9	5.2						
	495.9	29.2	60.9	3.6			85.9	5.1						
	506.5	30.7	60,9	3.7			85.9	5.2						
	519.3	30.9	60.9	3.6			85.9	5.1						
	528.7	32.3	60.9	3.7			85.9	5.2				<u> </u>		
	528,7	31,8	60.9	3.7			85.9	5.2						
	508.3	30.5	60.9	3.7			85.9	5.2						
	516.8	30.4	60,9	3.6			85.9	5.0						
	512.6	31.3	60.9	3.7			85.9	5.3						
	489.2	28.9	60.9	3.6			147.2	8.7						
	482.3	29.4	59.7	3,6			147,2	9.0						
	275.1	27.9	35.6	3.6			85.9	8.7						
1	477.3	28.5	60.9	3.6			147.2	8.8						
	617.2	30.4	60.9	3.6			147.2	8.6						
	492.5	29.0	60.9	3.6			147.2	8.7						
	455.4	27.2	59.7	3.6			147.2	8.8						
	452.0	28.0	58.4	3.6			147.2	9,1						
	465.8	29.7	58.4	3.7			153.0	9.8						
	477.7	28.6	60.9	3.7			159.5	9.6						
	Y-DOM: NAME OF										0.0		0.0	<del>о пп</del>
d.	13,695.5	-	1,671,3		0.0		2,857.1	-	0.0 #DIV/0!	#DIV/0I	0.0 #DIV/0I	#DIV/01	0.0 #DIV/0I	#DIV

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 02/2014

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		рH		TO ALKAI		TO'	TAL NESS	ТОР	OF	RESIDUAL PLA				
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
, ₁	7.01	7.06	7.14	37	32	86	82	0.64	0.57	1.95	1.88	8.57	0.42	0.09
2	7.04	7.04	7.18	38	35	84	79	0.73	0.66	2.04	1.97	8.40	0.28	0.08
3	6.98	6.98	7.10	48	42	77	72	0.61	0.54	1.90	1.82	46.60	0.29	0.06
4	6.91	6.85	7.01	36	31	79	75	0.57	0,51	1.96	1.86	56.80	0.31	0.05
6	6.96	6.88	6.83	35	32	72	65	0.51	0.32	1.86	1.72	38.80	0:22	0.05
∈8	6.89	6.90	6.97	37	32	70	64	0.78	0.70	1.99	1.91	139.00	0.18	0.50
7	6.92	6.85	7.07	34	30	76	71	0.78	0.71	2.01	1.93	120.00	0.18	0.05
ê î	6.91	6.85	7.11	16	18	77	74	0.79	0.69	2.08	1.99	103.00	0.20	0.06
9	6.90	6.82	7.10	18	18	79	74	0.91	0.82	2.08	1.98	89.70	0.17	0.06
÷10	6.91	6.89	7.11	32	27	87	82	0.76	0.70	1.99	1.88	80.70	0.18	0.05
11	6.90	6.82	7.16	47	42	63	58	0.93	0.87	2.04	1.96	67.80	0.17	0.06
12	6.90	6.79	7.19	39	35	66	62	0.81	0.76	1.98	1.91	58.60	0.22	0.08
161	6.85	6.87	7.05	58	53	78	68	0.72	0.63	1.88	1.81	49.30	0.18	0.05
14	6.87	6.87	7.07	37	32	56	50	0.83	0.76	2.03	1.95	39.60	0.22	0.06
16	6.90	6.91	7.08	34	29	59	55	0,86	0.77	2.03	1.94	29.50	0.27	0.07
16	6.87	6.84	7.10	20	18	62	60	0.69	0.59	2.01	1.92	25.30	0.13	0.05
17	6.80	6.87	7.13	23	18	56	51	0.73	0.65	1.96	1.88	23.80	0.15	0.05
18	6.92	6.86	6.97	18	18	67	64	0.71	0.62	1.95	1,87	21.90	0.14	0.05
(9	6.91	6.90	7.14	19	20	46	44	0.73	0.65	1.95	1.89	21.50	0.18	0.05
26	6.91	6.92	7.11	18	19	47	40	0.82	0.74	1.81	1.80	20.10	0.17	0.05
21	6.92	6.90	7.16	41	35	61	56	0.74	0.66	1.97	1.90	18.80	0.28	0.07
22	6.90	6.88	7.13	12	15	85	82	0.68	0.60	1.92	1.84	46.00	0.20	0.05
23	6.90	6.85	7.09	14	19	87	84	0.78	0.69	2.03	1.94	45.30	0.21	0.05
24	6.86	6.82	7.06	31	26	66	62	0.81	0.72	1.97	1.89	36.60	0.18	0.05
25	6.88	6.79	7.07	25	20	44	39	0.95	0.90	2.06	1.98	35.10	0.19	0.05
26	6.93	6.89	7.17	18	17	45	40	0.68	0.57	2.06	2.03	27.00	0.16	0.05
27	6.88	6.85	7.19	17	15	37	34	0.77	0.68	1.90	1.81	27.20	0.18	0.05
28	6.80	6.80	7.20	16	14	42	37	0.79	0.72	1.92	1.84	22.40	0.22	0.04
30.						-								
30.														
31						10							W-7	
AVERAGE	6.9	6.9	7.1	29	27	66	62	0.75	0.67	1.98	1.90	46.69	0.21	0.07

### OPTIONAL INFORMATION -- Surface Water Plants Only

PWS ID:

KY0800273

2987

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

PLANT ID: AGENCY INTEREST: REPORT MONTH/YEAR:

02/2014

WATER TREATMENT PLANT MONTHLY OPERATION REPORT AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF

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	RAW DAILY	New York of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contr		ENTATION I	BASIN EFFL AXIMUM	LUENT		RESULTS (		DA	L FILTER E	JM		109	CFE DAILY MAXIMU
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	
ł	8.57		0.40	1.11		-				0.06	0.05	0.23	0.05		0:09
2	8.40		0.37	0.25						0.06	0.05	0.18	0.05		0.08
3,	46.60		0.46	0.36						0.06	0.04	0.15	0.13		0.11
4	56.80		0.84	0.27						0.11	0.09	0.08	0.05		0.06
6	38.80	1 9	0.33	0.25	16.6					0.06	0.05	0.08	0.05		0.05
B)	139.00		0.22	0.22	E.					0.05	0.05	0.08	0.05		0.05
7	120.00		0.27	0.21						0.05	0.05	0.08	0.06		0.07
ji.	103.00		0.40	0.18						0.07	0.07	0.08	0.05		0.06
9	89.70		0.23	0.17						0.06	0.06	0.08	0.05		0.06
10	80.70		0.23	0.18						0.06	0.06	0.09	0.07		0.06
11	67.80		0.36	0.26						0.07	0.07	0.08	0.05		0.08
12	58.60		0.31	0.16						0.01	0.09	0.07	0.05		0.07
13	49.30		0.22	0.19						0.06	0.06	0.07	0.05		0.08
14	39,60		0.34	0.31						0.07	0.06	0.17	0.10		0.09
15	29.50		0.33	0.32						0.07	0.06	0.11	0.07		0.07
18	25.30		0.15	0,17						0.08	0.06	0.09	0.06		0.06
17	23.80		0.20	0.23						0.05	0.05	0.07	0.05		0.08
18	21.90		0.22	0.15						0.05	0.05	0.08	0.06		0.08
19	21.50		0.29	0.28						0.05	0.05	0.09	0.05		0.06
20	20.10		0.28	0.55	1					0.12	0.13	0.24	0.17		0.14
21	18.80		0.34	0.47						0.06	0.07	0.15	0.05	11 1	0.07
22	46.00		0.23	0.22						0.06	0.06	0.11	0.07		0.07
23	45.30		0.28	0.24						0.05	0.06	0.09	0.06	100	0.0
24	36.60		0.25	0.21						0.05	0.05	0.08	0.05		0.0
25	35.10		0.20	0.21						0.07	0:07	0.09	0.05		0.06
28	27.00		0.19	0.45						0.05	0.06	0.11	0.05		0.0
21	27.20		0.23	0.20						0.05	0.05	0.08	0.06		0.0
2,8	22.40		0.32	0.38						0.05	0.05	0.07	0.05		0.0
	22.70		0.02	0.00											
29 30															
31													4-	2 1	EX
VERAGI	46.7	#ÖIV/0!	0.3	0	#01\//01	#DIV/01	#DIV/01	#DIV/0I	#DIV/0!	0.06	0.06	0.11	0.06	#DIV/0!	0.07

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

02/2014

6.8

		wer Y/N ques							PAGE	<u>5</u> OF	11
							ESS DIHERW	SE SPECIFIE			MATERIAL STATE
	FLUORIDE		IF	ON	MAN	IGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.17	0.74	0.27	0.03	0.06	0.01		110111231011	1.80	0.0	8.0
2	0.15	0.95	0.30	0.03	0.06	0.01			1.80	0.0	6.9
3	0.29	0.99	0.30	0.03	0.09	0.01			1.60	1.3	8.2
'A	0.00	0.93	1.25	0.03	0.25	0.02			1.65	0,1	7.0
5.	0.00	0.85	0.48	0.03	0.20	0.01			1.60	1.2	6.3
	0.00	0.81	1.09	0.03	0.54	0.01			1.75	0.1	5.7
7	0.00	0.96	2.65	0.03	0.48	0.01			1.70	0.0	7.4
8	0.00	0.96	0.82	0.03	0.43	0.01			1.75	0.0	6.1
9	0.00	0.99	0.80	0.03	0.42	0.01			1.85	0.0	6.2
10	0.00	0.83	1.81	0.03	0.32	0.01			1.75	0.1	7.5
11	0.00	0.78	1.59	0.03	0.27	0.01			1.55	0.0	6.0
12	0.00	1.01	1.37	0.03	0.25	0.01			1.75	0.0	5.9
13	0.00	0.91	0.55	0.03	0.21	0.01			1.75	0.2	5.6
14	0.00	0.90	0.96	0.03	0.18	0.01			1.75	0.1	7.3
15	0.00	0.91	0.79	0.03	0.14	0.01			1.80	0.4	7.2
16.	0.00	0.94	0.77	0.03	0.14	0.01			1.75	0.0	6.0
17	0.00	1.01	0.61	0.03	0.13	0.01			1.50	0.0	7.3
18	0.02	0.99	0.30	0.03	0.11	0.01			1.75	0.0	6.2
19	0.10	0.74	0.31	0.03	0.11	0.01			1.75	0.2	6.3
20	0.00	0.87	0.30	0.03	0.09	0.01			1.60	0.0	6.6
21	0.01	0.95	0.50	0.03	0.10	0.01			1.70	1.1	7.8
22	0.00	0.92	0.41	0.03	0.21	0.01			1.75	0.0	6.4
23	0.00	0.97	0.40	0.03	0.20	0.01			1.90		6.7
24	0.00	0.84	0.93	0.03	0.15	0.01			1.80	0.1	8.0
26	0.00	0.83	0.98	0.03	0.17	0.01			1.80	0.0	8.0
28	0.00	0.82	0.35	0.03	0.11	0.01			1.85	0.1	6.9
27	0.00	0.71	0.41	0.03	0.12	0.01			1.70	0.0	6.5
28	0.00	0.87	0.52	0.03	0.10	0.01			1.75	0.0	7.6

28 Number of readings For Free Chlorine, # less than 0.2 mg/L 0 For Chloramines, # less than 0.5 mg/L

#DIV/01 #DIV/0! Monthly Minimum

1.50

0.03

0.20

0.01

0.89

0.78

29

34

AVERAGE

0.03

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

#DIV/0I

#DIV/0I

REPORT MONTH/YEAR: 02/2014

PAGE

FILTER OPERATION TOTAL No: 4 No: 6 No: 6 No: No: WASH WATER AREA (square feet) AREA (square feet) 160 AREA (square feet) 100 AREA (square feet) 160 AREA (square feet) WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN **GALLONS** HR8 HR8 GALLONS HR8 DAY GALLONS GALLON8 HRB **GALLONS** HR6 **GALLONS** 0 0 16,000 102.90 29,000 116.50 45,000 113.00 17,000 113.00 17,000 34,000 0 0 6 27,000 15,000 95.10 12,000 79.40 8 24,000 12,000 92.60 12,000 92.60 9 0 12,000 70.70 14,000 70.70 10 26,000 0 11 96.60 14,000 96.60 28,000 14,000 12 0 107.50 16,000 107.50 32,000 16,000 14 0 16 28,000 14,000 93.00 14,000 93.00 16 0 14,000 82.50 14,000 82.50 28,000 18 0 19 111.30 13,000 111.30 26,000 13,000 21 0 15,000 101.30 30,000 15,000 101.30 2); 0 0 24 14,000 93.10 26 28,000 14,000 93.10 0 26 101.30 16,000 101.30 32,000 16,000 26. 0 0 0 0 0 0.00 659.20 388,000 84,000 599.60 84,000 599.60 106,000 661.30 114,000 TOTAL

14,000 99. COPY AS NEEDED

99.933

15,143

94.471

16,286

94,171

14,000

12,516

AVERAGE

99.933

ALL WATER STATEMS

PWS ID : _ KY0800273 PLANT ID: Α

REPORT MONTH/YEAR: __ 02/2014

			30		DISTRIBUTION	SYSTEMOPERATE	N SALES	WATER THE TANK		XXXXXX
CHLORIA	CHEMICALS ADDED	1 1			TOTAL		ESULTS CHLORINE RESIDUAL	(npm)		
BOOSTE			NO	RTH		UTH	EAS	r		287
LBS	LBS	1995MANIANA		F	T	F	T	F		F
		Vert	1.26	1.24	1.19	1.14	1.28	1.20	1,35	1.3
			1.58	1.47	1,52	1,47	1.55	1.51	1.55	1.8
			0.55	0.47	1,27	1.19	1.49	1.40	1.33	1.1
			1.67	1,55	1.70	1.63	1.67	1.54	1.65	1,5
			1.50	1,34	1.39	1.35	1.45	1.40	1,55	1.6
	Ú.		1.61	1.54	1.55	1,45	1.74	1.70	1.56	1.5
	1 306		1.55	1.48	1.71	1.63	1.71	1.58	1.69	1.6
			1.60	1.50	1.78	1.66	1.07	0,96	1.64	1.8
			1.56	1.48	1.49	1.41	0.98	0.90	1,45	1.0
			1.67	1.66	1.77	1.71	1.35	1.27	0.76	0.7
			1.53	1.47	0.49	0.45	1.66	1.63	1,49	4.4
			1.63	1,55	1.57	1.52	1.65	1,48	1.72	1.
			1.61	1.54	0.37	0.31	1.65	1.62	1.53	1.0
			1,59	1.52	0.93	0.88	1.74	1.70	1.55	1.
			1.50	1.44	1,24	1.19	1.53	1.44	0,44	0.:
			1.51	1.44	1,32	1.24	1.59	1.50	1.69	1.0
			1.35	1.29	0.71	0.65	1.30	1.21	1.49	1.4
			1.69	1.63	1.66	1,60	1.69	1.64	1.56	1.0
			1.64	1.60	1.08	0.95	1.40	1.32	1.63	dia
			1.40	1.33	1.22	1.16	1,30	1,23	1.59	1.
			1.71	1.64	1.44	1.39	1,63	1.51	1.36	1.
			1.41	1.35	1.64	1.56	1,53	1,46	1.67	1.
			1.77	1.66	1.23	1.13	1.90	1.79	1.74	1.0
			1.74	1.60	1.66	1.59	1.67	1.58	1.5B	1.
		2	1.65	1.60	1.64	1.58	1,17	1.09	1.43	1.5
		1000	1.85	1.75	0.79	0.74	1.50	1.37	1.67	1.
			1.55	1.50	1.40	1.34	1.60	1.54	1.37	1.3
			1.56	1.53	1.58	1.55	1.67	1.59	1.40	1.
			1.00	7.95	100					
								1110-22-3-1		
#DIV/0	)  #DIV/0I	Average	1.54	1.47	1.33	1.27	1.52	1,43	1.48	1.
0.0	0.0	Total Minimum	0.55		0.37		0.98		0.44	
-		Free Minimum		0.47		0.31		0.90		0.

# Less than 0.2 mg/L/0.5 mg/L

Residuels 112 Minimum Monthly Free
Residuels 112 Residual

Residuels 112 Residual Number of Free Residuals 0.31 0.37 Number of Total Residuals 0 Total # Less than 0.2 mg/L

Total # Less than 0.8 mg/L

Disinfectant Chioramines? (Y/N) Number of days of operation?

N 28

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Officer or Authorized Agent

						PWS ID :	KY080		
	TURBIDITY	REPORT				PLANT ID:			_
PWS	APPLICAI		ANTS WITH FI	Lucian Carlos Harris	Report Period (	(MM/YYYY):	02/2	PAGE: 8 OF 11	
DAY	Hours Plant	# of Turblelly Samples Required!	Mid 4 am	4 am - 8 am	8 am - Noon	Noon - 4 pm	6 pm - 8 pm	8 pm - MH	Dally Maximum
et.	24.0	6	0.09	0.09	0.08	0.09	0.08	0.08	0.090
	24.0	6	0.08	0.08	0.08	0.08	0.07	0.07	0.080
2	23.5	6	0.07	0.11	0.06	0.05	0.05	0.05	0.105
4	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.064
CHARLES TO SECOND	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
6	24.0	6	0.05	0.05	0.08	0.08	0.05	0.05	0.080
	24.0	6	0.05	0.07	0.05	0.05	0.05	0.05	0.070
А	24.0	6	0.05	0.06	0.06	0.06	0.06	0.06	0.060
9	24.0	6	0.06	0.06	0.05	0,06	0.06	0.05	0.060
10	24.0	6	0.05	0.06	0.06	0.05	0.05	0.05	0.059
io.	24.0	6	0.05	0.05	0.05	0.06	0.06	0.05	0.063
12	24.0	6	0.05	0.07	0.06	0.05	0.05	0.05	0,066
11:	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
14	24.0	6	0.05	0.05	0.05	0.09	0.08	0.06	0.090
16	24.0	6	0.07	0.07	0.07	0.07	0.07	0.07	0.070
16:	24.0	6	0.06	0.05	0.05	0.05	0.05	0.05	0.060
-17	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
18	24.0	6	0.05	0.05	0.05	0.05	0.05	0,05	0.050
19	24.0	6	0.05	0.05	0.05	0.06	0.05	0.05	0.055
201	23.5	6	0.05	0.05	0.05	0.05	0.05	0.14	0.136
21	14.0	4	0.06			0.06	0.07	0.06	0.070
23	24.0	6	0.06	0.06	0.06	0.05	0.05	0.07	0.070
23	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
24	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
26	23.5	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
28	23.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.064
27	23.0	6	0.05	0.05	0.06	0.05	0.05	0.05	0.060
29	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
29	0.0	0							0.000
30	0.0	0							0.000
311	0.0	0				10000	Same and		0.000
Total	658.5	166		-	TOT	AL # OF TURBIDITY	SAMPLES TAKEN	166	0.136
ARE Y		ER CONVENTION	AL or DIRECT FIL	TRATION? (Y/N	) <b>Y</b>		- A		
	ber of samples e		0.1 NTU	2	0.3 NTU	0	1 NTU	0	
	For slow sand fi	Itration, the numb	er of samples ex	ceeding>	1 NTU		5 NTU		===
	E: The "Number the next whole n		oles Required" is	the number of h	ours the plant opera	ated divided by 4	l rounded		
l cert	ify that the abov	ve turbidity read	ngs were taken	every 4 hours	during plant opera	tion and in the	time frames note	d above.	87

Date

	AF	PLICABLE TO ALL	SURFACE WATER I	LANTS WITH FILTRATION		
INDIVIDUAL FIL	TER TURBIDITY EX	(CEEDANCE REP	ORT			
PWS Name:	Ма	rtin County Water Dis	trict			
PWS ID:	KY08	00273				
PLANT ID:	- III	1				
Report Period (MM/Y	YYY):	02/2	2014			
	eded any one of the he Summary Sheet report(s).				o Logovinos	PAGE 9 OF 11
		Turbidity Reading	Trigger Lävel (see balow)	Research for Exceedance		Date and Time to was Contacted
Date	Filter Number	(NTU)	bulowi	Resear for Exchagance	(hixilowa)	
	<del> </del>					
	<b> </b>					
		CHIEF CO. TO THE OWNER.	~			
					-	
#1						
					PHILIPPIN STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	
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<del></del>						

### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

### Report Required:

For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYY)	() <b>02/2014</b>
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF 1	THE FIELDS ARE P
				POPULATED FOR YOU!!!	
				ORMATION O ALL PLANTS	
PLANT ID A		AFFER		TAL WATER TREATED (gallons)	55,192,000
PLANT NAME	Martin County V	Vater District		E. DAILY PRODUCTION (gallons)	1,971,143
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		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION	
ANALYTE COD	E0100				
Was each filter r	monitored continuously? ()	//N)			
Were measuren	nents recorded every 15 m	inutes? (Y/N)			
	ure of the continuous moni				
				cted every four hours of operation? (Y/N)	****************
	as the continuously monit				
	ilter level greater than 1.0				
				surements after on line for more than four hour	
	ilter level greater than 1.0	NTU in two consecu		surements in three consecutive months? (Y/N	)
Was individual fi	ilter level greater than 2.0	NTU in two consecu		surements in two consecutive months? (Y/N)	
Was individual fi If any of the las	ilter level greater than 2.0 It 4 boxes are YES, fill ou	NTU in two consecu it the Individual Fil	ter Turble	dity Sheet and submit with the MOR	
Was individual fi	ilter level greater than 2.0 It 4 boxes are YES, fill ou MRINED FILTER CEFFUE	NTU in two consecuint the individual File  NT TURBIDITY	ter Turble	dity Sheet and submit with the MOR	NT CONCENTRATIO
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I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuels immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

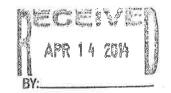
03-05-2014

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

	MONITORING PERIOD	(MMYYYY) 02/2014
PLETE ALL A	PPLICABLE FIELDS!!! NOT A	LL OF THE FIELDS ARE PRE-
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ABLE TO ALL	WATER SYSTEMS	HOW MUCH? (gallons)
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Susanki bisin	FECTANIT CONCENTRATION	
ABLE TO ALL	WATER SYSTEMS	
28 <u>I</u>	Free Chlorine (for all disinfectants e	except chloramine)
	Number of samples under 0.2 m	ng/L 0
	otal Chlorine (when disinfectant is	chloramine)
112	Number of samples under 0.5 m	ng/L
112		
0.31		
0.37		
	ABLE TO ALL VILLONS)  0 0 0 1 28 Y 112 112 0.31	PLETE ALL APPLICABLE FIELDS!!! NOT A POPULATED FOR YOU!!  ABLE TO ALL WATER SYSTEMS  Illons) TO WHOM? (PWS ID)  0 0 0 1  EXAMPLE TO ALL WATER SYSTEMS  ABLE TO ALL WATER SYSTEMS  28  Y Number of samples under 0.2 in Total Chlorine (when disinfectants is Number of samples under 0.5 in 112 112 0.31

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent 0.3-0.5-201



## KENTUCKY DIVISION OF WATER

Revised 01/04/07

### DRINKING WATER BRANCH

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONT	1 & YEAR (mm/yyyy) 03/2014	with A	GROUNDWATER
DEP Form 4012Re	vised 07/2006		PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273 PLANT I	D: A PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	PLANT CLASS:	
AGENCY INTEREST (AI):	2987	DATE MAILED:	04-04-2014
SOURCE NAME:	Crum Reservoir	COUNTY:	Martin
	Tug Fork		
	OPERATOR(S) RESPONSIBLE / IN-CHAR	GE CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	1V-A	17562
WTP SHIFT 2:	Michael Sartin	1V-A	21944
WTP SHIFT 3:	Jerry L Belcher	1V-A	21719
DISTRIBUTION:			
THIS REP	ORT MUST BE RECEIVED BY THE DIV		
	NO LATER THAN 10 DAYS A	FTER THE END OF TH	HE MONTH.
TREATMENT PLANTS	COMPLETE:		
1. DESIGN CAPACITY (gpm):	3	1,667	
2. TYPE OF FILTRATION USE	D:	ual Media	
3. DESIGN FILTRATION RATE	(gpm/eq. ft.):	2.66	
4. PERCENT BACKWASH WA	TER USED:	0.8	
5. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED: #2 - 3/18	/10 #3 - 9/2/ 09	
	-		
6. DATE SETTLING BASIN(S)	LAST CLEANED:	- Laster Hilliam - H	
- 112 - 170 - EU -		1/4	Town I I

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE

04-03-201



APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2014

PAGE 1 OF 11

								O74454		OTENT	CIONET	OTABLE
i	RAW WATER	HOURS PLANT	COAGU	JLANT	COAG	DAGULANT PH ADJUSTMENT Pre			DISINFE		DISINFE	
v	GALLONS	OPERATED	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
	1,963,000	24.0	257.4	15.7	4.2	0.3			311.6	19.0	159.8	9.8
	2.043.000	24.0	257.4	15.1	4.2	0.2			283.8	16.7	159.8	9.4
	1,950,000	23.0	246.8	15,2	4.2	0.3			266.1	16.4	153.2	9.4
					4.2	0.2			287.9	16.9	159.8	9.4
	2,042,000	24.0	257.4	15.1		0.3			286.7	17.4	159.8	9.7
	1,979,000	24.0	224.2	13.6	4.2					16.3	159.8	9.5
	2,020,000	24.0	224:2	13.3	4.2	0.2			274,5		o const	
	2,008,000	24.0	224.2	13.4	4.2	0,3			274.5	16.4	159.8	9.5
	2,042,000	24.0	224.2	13.2	4.2	0.2			274.5	16.1	159,8	9.4
	1,918,000	24.0	224,2	14.0	4.2	0.3		0/ mg n —	282.0	17.6	159.8	10.0
	2,039,000	24.0	224.2	13.2	4.2	0.2			274.5	16.1	159.8	9.4
	2,005,000	24.0	224.2	13.4	4.2	0.3	<u> </u>		271.6	16.2	159,8	9.6
	2,057,000	24.0	224.2	13.1	4.2	0,2			264.5	15.4	159.8	9.3
	1,996,000	24.0	224.2	13,5	4.2	0.3			272.1	16.3	159.8	9,6
	2,024,000	24.0	193.3	11.5	4.2	0.2			267.5	15.8	159,8	9.5
	1,991,000	24.0	193,3	11.6	4.2	0.3			270.6	16.3	159.8	9.6
	2,025,000	24.0	193.3	11.4	4.2	0.2			254.9	15.1	159.8	9.5
	2,011,000	24.0	193.3	11.5	4.2	0.3		-	255.0	15.2	159.8	9,5
	2,014,000	24.0	193.3	11.5	4.2	0.3			258.8	15.4	159.8	9.5
	1,612,000	24.0	193,3	14.4	4.2	0.3			231.9	17.2	143.2	10.
	2,030,000	24.0	193.3	11.4	4.2	0.2			266.7	15.8	159.8	9.4
	1,982,000	24.0	224,2	13.6	4.2	0.3			268.7	16.3	159.8	9.7
A	1,885,000	22.0	205.5	13.1	3.9	0.2			244.0	15,5	146.5	9.3
	1,870,000	22.0	205,5	13.2	3.9	0.3			242.9	15.6	146.5	9.4
	1,906,000	22.0	205.5	12.9	3.9	0.2			249.3	15.7	149.9	9.4
	1,839,000	22.0	205.5	13.4	3.9	0.3			233.7	15.2	146.5	9.6
	1,943,000	23.0	214.8	13.3	3.9	0.2			254.6	15.7	153.2	9.5
	1,976,000	24,0	224.2	13.6	4.2	0.3			273.0	16.8	159.8	9.7
	1,943,000	23.0	214.8	13.3	3.9	0.2			273.2	16.9	153.2	9.5
	1,923,000	23.0	214.8	13.4	3.9	0.2	451=112757775=		299.9	18.7	157.5	9.8
			214.8	13.4	3.9	0.2			319.1	19.9	166.2	10.
	1,923,000	23.0			3.9				357.2	21.5	164.7	9.9
	1,996,000	23.5	252.0 6771.5	15.1	127.5	0.2	0.0		8445.3	21.0	4876.6	5.0
ACE	1,966,290		218.4	13.3	4.1	0.3	#DIV/0I	#DIV/0I	272.4	16.6	157.3	9.6

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 03/2014

TIGHTS.	DISINFE		FLUO			RBON		USTMENT	км	nO ₄		OSION BITOR	H2	202
							Po	at						
_	L86	PPM	LBS	РРМ	LB9	PPM	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPI
-	471.4	28.8	60.9	3.7			159.5	9.7						
4	443.6	26.0	60.9	3.6			159.5	9.4						
-	419.3	25.8	58.4	3.6			153.0	9.4						
4	447.7	26.3	60.9	3.6			159.8	9.4	1					
4	446.5	27.1	60.9	3.7			159.8	9.7						
	434.3	25.8	60.9	3,6			159.5	9.5						
4	434.3	25.9	60.9	3.6			159.5	9.5	-					
4	434.3	25.5	60,9	3,6			159.5	9.4						
4	441.8	27.6	60.9	3.8			159,5	10.0				-		
	434.3	25.5	60.9	3.6			159.5	9.4						
4	431.4	25,8	60.9	3.6			159.6	9,5						
4	424.3	24.7	60.9	3.5			159.5	9.3						
4	431.9	25.9	80.9	3.7			159.5	9,6						
-	427.3	25.3	60.9	3.6			159.5	9.4						
4	430.4	25.9	60.9	3.7			159,5	9,6						
4	414.7	24.6	50.9	3.6			159.5	9.4					2	
	414.8	24.7	60.9	3.6			159.8	9.5						
	418.6	24.9	60.9	3.6			159.8	9,5					1	1
3	375.1	27.9	53.3	4.0			113.1	8,4						
_	426.5	25.2	60.9	3.6			66.5	3.9						
4	428.5	25.9	60.9	3.7			159.5	9.6						
3	390,5	24.8	55.8	3,0			146.3	9.3						
3	389.4	25.0	55.8	3.6			146.3	9.4						
3	399,2	25_1	55.8	3,5			146.3	9,2						
	380.2	24.8	55.8	3,6			146.5	9.6						
	407.8	25.2	58.4	3.6			153.0	9.4					<u> </u>	
4	432.8	26.3	60.9	3.7			159.5	9.7					8.0	0.
	426.4	26.3	58.4	3,6			153.0	9.4				30 1	10.5	0.
-	457.4	28.5	58.4	3.6			153.0	9.5					9,5	0.
4	485,3	30.3	58.4	3.6			153.0	9.5					9.5	0.
	521.9	31.4	59.6	3.6			156.3	9.4	ļ				9,5	0.0
13	3,321.9		1,845.9		0.0		4,717.8		0.0		0.0		47.0	
	429.7	26.2	59.5	3.6	#DIV/0I	#DIV/01	152.2	9.3	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!	9.4	0.

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2014

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			SCHOOL ST	A PROPERTY OF				57.000 at 1 1 1 1 1 1 1 1	4.570-74.000000	vicioni inc	PAGE	3	OF	11
5V/		pH			TAL	ТО	TAL		CHLORINE	RESIDUAL	0)(2)		TURBIDITY	
	l i	TOP OF	i	ALKA	LINITY	HARI	ONESS		P OF TER		ANT AP	7	SETTLED	PLANT
YAC	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
fy.	6.86	6.78	7.20	18	17	46	41	0.81	0.74	2.02	1,95	19.00	0.27	0.05
2	6.74	6.77	7.16	13	17	77	75	0.77	0.68	1.98	1.91	18.30	0,20	0.05
3	6.82	6.82	7.17	19	16	61	55	0.79	0.72	1.84	1.76	18.30	0.21	0.05
4	6.90	6.84	7.24	17	14	54	50	0.80	0.74	2.05	1,98	17.60	0.23	0.07
5	6.80	6.78	7.17	16	14	43	38	0.74	0.60	1.83	1.77	18.80	0.19	0.06
	6.86	6.81	7.18	22	17	33	30	0.76	0.67	1.97	1.88	16.80	0.24	0.04
	6.85	6.83	7.23	22	17	40	36	0.72	0.65	1.90	1.82	16.60	0.23	0.04
	6.75	6.77	7.19	23	19	44	39	0.66	0.63	1,94	1.91	15.20	0.20	0.03
	6.78	6.74	7.15	14	16	67	63	0.69	0.65	1.90	1.88	15.40	0.21	0.04
o	6.79	6.74	7.14	17	15	61	56	0.70	0.66	1,91	1.88	15.30	0.21	0.04
13	6.73	6.72	7.15	16	11	47	43	0.86	0.84	1.90	1.87	15.50	0.26	0.03
2	6.72	6.78	7.17	16	12	47	44	0.79	0.75	1.94	1.90	13.10	0.22	0.04
	6.72	6.77	7.22	16	14	33	30	0.69	0.65	1.81	1.79	12.00	0.27	0.04
4	6.86	6.79	7.28	18	15	38	34	0.81	0.77	1.99	1.93	12.30	0.23	0.04
6	6.72	6.70	7.17	18	17	39	37	0.77	0.70	1.91	1.86	11.20	0.19	0.04
В	6.68	6.70	7.08	11	11	32	31	0.74	0.67	1.91	1.86	10.60	0.19	0.04
1	6.75	6.68	7.17	14	11	42	38	0.91	0.85	2.09	1.99	10.20	0.21	:0.04
ø	6.81	6.73	7.20	20	17	35	31	0.92	0.88	2.01	1.96	10.10	0.23	0.04
9 .	6.73	6.73	7.18	18	14	30	26	0.59	0.54	1.75	1.73	9.86	0.27	0.04
o .	6.62	6.69	6.71	14	12	25	22	0.64	0.58	1.86	1.81	14.50	0.43	0.04
	6.69	6.72	7.25	16	13	48	44	0.75	0.70	1.91	1.84	8.91	0.25	0.04
2::::	6.76	6.70	7.25	18	16	50	47	0.77	0.68	1.97	1.91	8.39	0.29	0.04
3	6.71	6.70	7.26	10	12	31	28	0.73	0.69	1.96	1.92	8.42	0.23	0.05
1	6.60	6.68	7.15	13	11	36	33	0.65	0.60	1.92	1.89	8.37	0.20	0.04
5	6,78	6.74	7.25	12	10	30	27	0.89	0.87	2.02	1.97	7.89	0.20	0.04
6	6.81	6.75	7.25	10	8	26	22	0.77	0.69	2.08	2.03	7.71	0.23	0.04
	6.80	6.75	7.21	10	- 8	25	21	0.71	0.66	1.92	1.87	7.61	0.25	0.05
8	6.67	6.72	7,19	18	15	37	34	0.62	0.55	1.93	1.89	7.74	0.26	0.04
	6.70	6.74	7.27	20	17	39	37	0.67	0.62	1.95	1,90	7.13	0.23	0.04
0	6.68	6.71	7.21	10	10	44	41	0.62	0.55	1.96	1.90	7.20	0.29	0.04
1	6.74	6.68	7.22	13	10	40	36	0.79	0.77	2.11	2.07	20.00	0.44	0.05
RAGE	6.8	6.7	7.2	16	14	42	38	0.75	0.69	1.94	1.89	12.58	0.24	0.04

#### OPTIONAL INFORMATION-Surface Water Plants Only

ANALYTICAL RESULTS (NTU)

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PWS ID: KY0800273

DI ANTEN

PLANT ID: AGENCY INTEREST: 29

REPORT MONTH/YEAR: 03/2014

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RAW	-11-1-10-10-10-10-10-10-10-10-10-10-10-1	SEDIM		BASIN EFF	LUENT					L FILTER E				CFE
DAILY MAXIMUM	#1	#2	#3	AXIMUM #4	#5	#6	#1	#2	#3	#4	#5	#8	#7	MAXIMU
19.00		0.40	0.40						0.06	0.07	0.09	0.05		0.06
18.30		0.27	0.26						0.05	0.05	0.08	0.05		0.05
18.30		0.79	1.50		-				0.17	0.16	0.35	0.27		0.25
17.60		0.28	0.30				2		0.05	0.05	0.08	0.09	100	0.06
18.80		0.26	0.19						0.06	0.06	0.05	0.05	7 2 752	0.05
16.80	0	0.35	0.34						0.05	0.06	0.05	0.06	11 643	0.05
16.60	1.5	0.30	0.27						0.05	0.05	0.07	0.06	1	0.05
15.20		0.26	0.20						0.04	0.05	0.05	0.05	11	0.04
15.40		0.26	0.21						0.06	0.07	0.05	0.05		0.04
15.30		0.25	0.23			-			0.05	0.05	0.05	0.05	TIER	0.03
15.50		0.31	0.25						0.05	0.05	0.18	0.06	172	0.06
13.10		0.32	0.20						0.05	0.06	0.06	0.05		0:04
12.00		0.34	0.28						0.06	0.08	0.06	0.05		0.04
12.30		0.28	0.23					11-23-2-11-	0.05	0.05	0.09	0.05		0.05
11/20		0.23	0.19						0.05	0.05	0.07	0.06	W	0.05
10.60		0.24	0.18						0.05	0.04	0.05	0.05		0.03
10.20		0.29	0.28						0.05	0.05	0.06	0.05	2 50	0.04
10.10		0.37	0.32						0.05	0.05	0.06	0.05	2 14 13	0.04
9.86		0.42	0.38						0.05	0.05	0.07	0.06		0.04
14.50		0.58	0.56						0.05	0.05	0.07	0.06		0.04
8.91		0.30	0.28						0.05	0.05	0.05	0.05		0.08
8.39		0.36	0.31						0.05	0.05	0.05	0.06		0.05
8.42		0.32	0.31						0.05	0.05	0.14	0.15	-,-,-	0.07
8.37		0.23	0.21						0.04	0.05	0.05	0.05		0.04
7.89		0.27	0.24						0.05	0.06	0.05	0.05	12.37	0.04
7.71		0.28	0.23				á.		0.05	0.05	0.05	0.05	420	0.04
7.61		0.26	0.31						0.05	0.05	0.09	0.08		0.05
7.74		0.28	0.33						0.05	0.05	0.06	0.05		0.04
7.13		0.29	0.24						0.07	0.07	0.06	0.05	E offer	0.05
7.20	7 -	0.36	0.34						0.05	0.06	0.07	0.05		0.05
20.00		0.45	0.42						0.05	0.06	0.07	0.05	-	0.19
12.6	#DIV/01	0.3	0	#DIV/01	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0I	0.06	0.06	0.08	0.06	#DIV/01	0.06

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

PAGE

KY0800273

REPORT MONTH/YEAR:

03/2014

OF

*Please answer Y/N question below this chart.

APPLICABLE TO ALL PLANTS

ANALYTICACRESULTS (mg/L DR RPM UNLESS OTHERWISE SPECIFIED)

		DRIDE	_	RON		NGANESE			Lowest Dally Chlorine Residuel Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1.1	0.00	0.94	0.49	0.03	0.09	0.01		20-11	1.75	0.0	6.8
2	0.00	0.94	0.26	0.03	0.09	0.01			1.79	0.0	6.3
3	0.00	0.80	0.50	0.03	0.09	0.01			1.55	1.7	7.4
4	0.11	0.83	0.57	0.03	0.09	0.01			1.80	0.1	7.7
5	0.00	0.62	0.26	0.03	0.10	0.01			1.70	0.0	6.6
6	0.06	0.73	0.28	0.03	0.09	0.01			1.75		6.6
19	0.19	1.03	0.46	0.03	0.09	0.01			1.75	0.0	7.5
8	0.16	1.00	0.44	0.03	0.08	0.01			1.85	0.0	6.1
9	0.07	0.89	0.21	0.03	0.08	0.01			1.75	0.0	6.5
10	0.04	0.88	0.44	0.03	0.09	0.01			1.80	0.0	7.3
11	0.00	0.85	0.44	0.03	0.07	0.01			1.70	0.0	7.8
12	0.35	1.18	0.18	0.03	0.08	0.01			1.85	0.0	7.7
13	0.02	0.88	0.20	0.03	0,06	0.01			1.75	0.2	6.9
14	0.14	0.86	0.34	0.03	0.08	0.01	2		1.80	0.0	7.6
15	0.15	0.94	0.31	0.03	0.08	0.01			1.75	0.0	6.7
16	0.10	0.97	0.19	0.03	0.06	0.01			1.85	0.0	7.1
17	0.13	0.85	0.31	0.03	0.07	0.01			1.75	0.5	8.0
18	0.17	0.97	0.29	0.03	0.06	0.01	g 0		1.75	0.0	8.1
19	0.13	0.92	0.24	0.03	0.06	0.01			1.70	0.0	7.5
20	0.07	0.79	0.74	0.03	0.39	0.01			1.75	0.0	8.0
21	0.16	0.99	0.27	0.03	0.06	0.01			1.75	0.0	9.1
22	0.14	1.01	0.28	0.03	0.06	0.01			1.77	0.0	8.0
23	0.12	0.82	0.29	0.03	0.05	0.01			1.80	0.0	9.0
24	0.08	0.90	0.24	0.03	0.06	0.01		1,0	1.70	0.0	9.0
25	0.12	0.82	0.25	0.03	0.06	0.01			1.65		9.1
28	0.06	0.82	0.16	0.03	0.05	0.01			1.80	0.0	8.3
27	0.16	0.83	0.26	0.03	0.05	0.01			1.75	0.0	9.4
28	0.12	0.81	0.24	0.03	0.08	0.01			1.75 1.80 1.75	0.1	8.3
29	0.15	0.91	0.24	0.03	0.08	0.01			1.75	0.1	8.8
30	0.16	0.97	0.09	0.03	0.05	0.01			1.80	1.7	8.8
31	0.00	0.73	0.41	0.03	0.08	0.01			1.80		8.7
AVERAGE	0.10	0.89	0.32	0.03	0.08	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	7.8
							The state of	<b>VALUE OF THE STATE b>	1.55		250

31 Number of readings For Free Chlorine, # less than 0.2 mg/L 0 For Chloramines, # less than 0.5 mg/L

4.30

Disinfectant Chloramines? (Y/N)

## APPLICABLE TO ALL PLANTS WITH BILL FRATION.

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2014

100		Market W.			St. Street	FILTER OPE	ection III)	PAGE		Transfer	
	TOTAL	No:	3	No:	4	No;	5	No:	6	No:	A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONT
	SH WATER	AREA (square foot) WASHWATER GALLONS	160 FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	FILT RUN HR8	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	FILT RUN HR9	AREA (square feet) WASHWATER GALLONS	FILT RUN
. :	30,000	15,000	93.50	15,000	93.50						
	0						2.81344.2				
	34,000				51	18,000	103.00	16,000	103.00		, N
	0										
	30,000	15,000	95	15000.00	95						
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	28,000					14,000	86.00	14,000	86.00	2 10/1	
E 1 -	0										
	27,000	14,000	94.50	13,000	94.40						
	0										
	28,000				-	14,000	93.80	14,000	93.80		
1	0								10000000000		
	28,000	14,000	93.80	14,000	93.80						
13/1	0									110	1
	27,000	75				14,000	95.30	13,000	95.30		74
	0									* ' ^	100
	24,000	12,000	95.10	12,000	95.10						
	0										
2	24,000					12,000	94.70	12,000	94.70	V . F	125
	0										8775
- 2	26,000	13,000	95.30	13,000	95.30				- 1	10.04	
	0										E . V
3	34,000					17,000	87.70	17,000	87.70	10 a ₁	100
	0										- 7
	26,000	13,000	90.10	13,000	90.10					1901	
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. ;	32,000					16,000	89.20	16,000	89.20	1 155	
	0	*******								H1072000	17
	30,000	15,000	91.10	15,000	91.20						
W.	0										2 = 4
3	32,000					16,000	90.80	16,000	90.80		130.6
4	60,000	111,000	748.50	110,000	748.50	121,000	740.50	118,000	740.50	0	0.00
	14,839	13,875	93.563	13,750	93.563	15,125	92.563	14,750	92.563	#DIV/0I	#DIV/0!

**COPY AS NEEDED** 

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

ACL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

31

Number of days of operation?

REPORT MONTH/YEAR: 03/2014

PAGE 7 OF 11

EBIDUAL (ppm)

	CHEN	IICALS ADDED		IDISTRIBUTION SYSTEM OPERATION (1911) TEST RESULTS										
	CHLORINE BOOSTER	CHLORINE BOOSTER		NC.	RTH		. (T) AND FREE (F) O	HLORINE RESIDUA	. (ppm) ST	W	ST			
AY.	LBS	LB8		T	F	T T	F	1	F	T	F			
				1.40	1.34	1.31	1.25	1,50	1.45	1.63	1.58			
			gia (	0.21	0,20	1,14	1.08	1.64	1.58	1.78	1.70			
				1.55	1,46	1.63	1.58	1.23	1:14	1.72	1,84			
				1.49	1.44	1.52	1.45	1.37	1.30	1.45	1.37			
				0.98	0.90	1.57	1.46	1.51	1.41	1.35	1.28			
				1.26	1,20	1,71	1.64	1,27	1,20	1.63	1,58			
uisi »				1.39	1.31	1.67	1.57	1.68	1.60	1.73	1.64			
				1.69	1.67	1,25	1.22	1.62	1.61	1,66	1.58			
				1.20	1,18	1.20	1.17	1,49	1.47	1.57	1,57			
		10	118	1.48	1,47	1.45	1,44	1.53	1.52	1.51	1.49			
		=10.	100	1.57	1.53	1.74	1.70	1.69	1.66	1.31	1,29			
				1,49	1.35	1.73	1.68	1.79	1.74	1.77	1.74			
				1.44	1,39	1.50	1.40	1.39	1.34	1.03	0.93			
				1.56	1.49	1.40	1.33	0.59	0.51	1,34	1.23			
				1,15	1.10	0.25	0.24	1.50	1.42	1.71	1.67			
	Silving S			1.29	1.26	1,20	1.14	1.72	1.71	1.63	1.57			
				1.74	1.67	1,51	1,46	1.66	1.58	1.29	1.17			
	Division in			1.70	1.75	1.43	1.46	1.75	1.78	1.68	1.75			
				1,53	1.47	1,15	1,11	1.42	1.36	1.42	1.39			
				1.24	1.16	1.49	1,46	1.56	1.49	1.57	1.50			
				1.51	1.46	0,92	0.89	1.67	1.64	1.58	1.55			
		Sa j		1,40	1.37	1.51	1.44	1.12	1.12	1.67	1.61			
			1000	1.59	1.54	1.62	1,57	1.53	1.49	1.54	1.51			
			4.7	1.61	0.55	1.24	1.21	1.64	1.61	1,74	1.70			
				1.44	1.36	1.50	1.49	1.47	1.47	1.55	1.66			
		7		1.48	1.46	1.25	1.22	1.67	1,64	1.62	1,55			
		- 1100 San 12		1.49	1.44	1,12	1.01	1.02	0.95	0.88	0.85			
				1.58	1.50	1,50	1,46	1,49	1.43	1.45	1,38			
				1.62	1.57	1.69	1.64	1.75	1.73	1.75	1.72			
				1.05	1,61	1,38	1,37	1.61	1.60	1.03	1.01			
				1.37	1.35	1.73	1.68	1.53	1.45	1.79	1.77			
GE	#DIV/0I	#D(V/0)	Average	1.42	1.34	1.40	1.35	1.50	1.45	1.53	1.48			
	0.0	0.0	Total Minimum	0.21		0.25	Description of the second	0.59		0.88				
		1.77	Free Minimum		0.20		0.24		0.51		0.85			

Total # Less than 0.2 mg/L
Total # Less than 0.5 mg/L

0

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Officer of Authorized Agent

						PWS ID :	KY0800	213	_
Т	URBIDITY R	EPORT			200	PLANT ID:	Α		_
			ANTS WITH FIL		Report Period	(MM/YYYY):	03/20	14	PAGE: 8 OF 11
WS Na	-		n County Water D	District		ELIT OF PERSONS AND A PERSON	BATCH BOTTON AND SECTION		O OT III
AT	Hours Plant Operated	s of Turnidity Samples Required	Mid - 4 am	4 am - 8 am		Noon (4 pm	4 pm - 8 pm -	8 pm - Mid	Maximum
	24.0	6	0.05	0.05	0.06	0.06	0.06	0.05	0.060
	24.0	6	0.04	0.05	0.04	0.06	0.05	0.05	0.059
3/2	23.0	6	0.05	0.05	0.08	0.08	0.05	0.25	0.249
4	24.0	6	0.06	0.05	0.05	0.04	0.04	0.04	0.055
601	24.0	6	0.04	0.05	0.05	0.04	0.05	0.05	0.049
6	24.0	6	0.05	0.04	0:05	0.05	0.05	0.05	0.050
7	24.0	6	0.05	0.05	0.05	0.04	0.05	0.04	0.050
8	24.0	6	0.04	0.04	0.04	0.03	0.03	0.04	0.040
9	24.0	6	0.03	0.04	0.04	0.03	0.03	0.03	0.040
10	24.0	6	0.03	0.03	0.03	0.03	0.03	0.03	0.033
(1)	24.0	6	0.06	0.04	0.04	0.04	0.04	0.04	0.059
12	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.038
13	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.041
14	24.0	6	0.04	0.04	0.05	0.04	0.04	0.04	0.050
15	24.0	6	0.05	0.05	0.04	0.03	0.03	0.03	0.050
18	24.0	6	0.03	0.03	0.03	0.03	0.03	0.03	0.030
17.	24.0	6	0.03	0.04	0.04	0.04	0.04	0.04	0.039
18	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.038
19	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.041
200	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
21	24.0	6	0.04	0.04	0.04	0.05	0.05	0.05	0.050
22	22.0	6	0.05	0.04	0.04	0.04	0.04	0.04	0.045
23	22.0	6	0.04	0.07	0.04	0.04	0.04	0.04	0.070
24	22.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.038
16	22.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
26	23.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
27.7	24.0	6	0.04	0.05	0.04	0.04	0.04	0.04	0.050
28.3	23.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
28	23.0	6	0.04	0.05	0.04	0.04	0.04	0.04	0.050
30	23.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.050
3/1	23.5	6	0.19	0.04	0.04	0.04	0.04	0.04	0.187
otal	730.5	186			TOI	AL # OF TURBIDITY S		186	0.249
			J IAL or DIRECT FIL	TRATION? (Y/N	100 100 100 100 100 100 100 100 100 100		_		
	of flitrátion besides si					_			
lumbe	er of samples ex	ceeding>	0.1 NTU	2	_ 0.3 NTU	0	1 NTU	0	<b>-</b> 0
			per of samples exc	=	1 NTU		6 NTU		
			ples Required" is t	he number of h	ours the plant oper	ated divided by 4	rounded		
to the	e next whole nu	mber.							

Date

	A				
INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REI	PORT		
PWS Name:	M	artin County Water DI	strict		
PWS ID:	KY08	300273	A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR	5.	
PLANT ID:		A	<del>"</del>		
Report Period (MM/Y	YYY):	03/	2014	-	
	eded any one of the Summary Sheet report(s).				PAGE 9 OF 11
		Turbidity Reading	Trigger Level (see		Date and Time
Date	Filter Number	(N 133)	the(ow)	Reason for Exceedance (If known)	State was Contacted V
					The desired the
	<u> </u>			· <del> </del>	
				explanate distribution and enterior	
					- 2
		0		-	
			<b></b>		

#### **Trigger Levels:**

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
  - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

NOTE	E: COMPLETE ALL APPLICABLE FIELDS III NOT ALL OF THE FIELDS ARE
	PEANT INFORMATION
ILLE III NEUX AMAUR IN CONTROL I III I III I I I I I I I I I I I I I	APPLICABLE TO ALL PLANTS
PLANT ID A	TOTAL WATER TREATED (gallons) 60,955,000
PLANT NAME Martin County Water Di	District AVE. DAILY PRODUCTION (gallons) 1,966,290
AGENCY INTEREST 2987	MAXIMUM PUMPAGE (gallons per day) 2,057,000
	NDIVIDUAL FILTER EFFLUENT TURBIDITY
	PLICABLE TO ALL PLANTS WITH FILTRATION
ANALYTE CODE 0100	
Was each filter monitored continuously? (Y/N)	4,555,555,555,555,555,555,555,555,555,5
Were measurements recorded every 15 minutes?  Was there a failure of the continuous monitoring e	
	ity grab samples collected every four hours of operation? (Y/N)
	quipment repaired within 5 working days? (Y/N)
Was the continuously morntoling eq Was individual filter level greater than 1.0 NTU In t	
	two consecutive measurements after on line for more than four hours? (Y/N)
	two consecutive measurements in three consecutive months? (Y/N)
Vas individual filter level greater than 1.0 N i U in f	two consecutive measurements in three consecutive months (1774)
Vas individual filter level greater than 2.0 NTU in t	two consecutive measurements in two consecutive months? (Y/N)
Vas individual filter level greater than 2.0 NTU in t f any of the last 4 boxes are YES, fill out the In COMBINED FILTER EFFLUENT TUR	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  RELIDITY  ENTRY POINT RESIDUAL DISINFECTANT CONCENTRATION.
Nas individual filter level greater than 2.0 NTU in t f any of the last 4 boxes are YES, fill out the In	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  RELIDITY  ENTRY POINT RESIDUAL DISINFECTANT CONCENTRATION.
Vas individual filter level greater than 2.0 NTU in t f any of the last 4 boxes are YES, fill out the In COMBINED FILTER BERLUENT TUR APPLICABLE TO ALL PLANTS WITH FI	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  RELIDITY  ENTRY POINT RESIDUAL DISINFECTANT CONCENTRATION.
Nas individual filter level greater than 2.0 NTU in the fany of the last 4 boxes are YES, fill out the InCOMBINED FILTER BEFLUENT TURN APPLICABLE TO ALL PLANTS WITH FIRMALYTE CODE 0100	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  REDITY  ENTRY POINT RESIDUAL DISINFECTANT CONCENTRATION  APPLICABLE TO ALL PLANTS
Vas individual filter level greater than 2.0 NTU in the fany of the last 4 boxes are YES, fill out the Incomplete Filter EFFILIENT TURN APPLICABLE TO ALL PLANTS WITH FILTER ANALYTE CODE 0100  Number of hours of plant operation	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  RELETY FILTRATION  ANALYTE CODE  730.5  Number of days of plant operation
Vas individual filter level greater than 2.0 NTU in the fany of the last 4 boxes are YES, fill out the Incombined File File ERFILLENT TURN APPLICABLE TO ALL PLANTS WITH FILE ANALYTE CODE 0100  Number of hours of plant operation  Vere samples taken every 4 hours of plant operation	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  RELETY  FILTRATION  APPLICABLE TO ALL PLANTS  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Y/N) Number of lowest chlorine samples recorded
Vas individual filter level greater than 2.0 NTU in the fany of the last 4 boxes are YES, fill out the Instantial COMBINED FILTER EFFILIENT TURN APPLICABLE TO ALL PLANTS WITH FILE ANALYTE CODE 0100  Number of hours of plant operation  Vere samples taken every 4 hours of plant operation with the complex taken eligibles to single turbidity reading	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  REIDITY  ILTRATION  TABLE TO ALL PLANTS  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Y/N) Number of lowest chlorine samples recorded Lowest single chlorine reading
Vas individual filter level greater than 2.0 NTU in the fany of the last 4 boxes are YES, fill out the Instanton of the last 4 boxes are YES, fill out the Instanton of the last 4 boxes are YES, fill out the Instanton of the last 4 boxes are YES, fill out the Instanton of APPLICABLE TO ALL PLANTS WITH FINANCIAL PLANTS WITH FINANC	two consecutive measurements in two consecutive months? (Y/N)  ndividual Filter Turbidity Sheet and submit with the MOR  REIDITY  ILTRATION  TABLE TO ALL PLANTS  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Y/N) Number of lowest chlorine samples recorded Lowest single chlorine reading If less than required:
Vas individual filter level greater than 2.0 NTU in the fany of the last 4 boxes are YES, fill out the Incomplete Filter EFFILIENT TURE APPLICABLE TO ALL PLANTS WITH FILTER ANALYTE CODE 0100  Number of hours of plant operation  Vere samples taken every 4 hours of plant operation with the samples taken every 4 hours of plant operation with the samples taken filter training for all filtration except slow sand filtration:  Number of samples exceeded 0.1 NTU	two consecutive measurements in two consecutive months? (Y/N) ndividual Filter Turbidity Sheet and submit with the MOR  REIDITY  FILTRATION  APPLICABLE TO ALL PLANTS  ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Y/N) Number of lowest chlorine samples recorded Lowest single chlorine reading If less than required: Was residual restored within 4 hours of plant operation? (Y/N)
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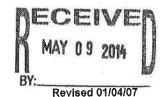
Signature of Prinicipal Executive Officer or Authorized Agent

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

AI 2987 NOTE: COMPLETE ALL APPLICABLE FIELDS III NOT ALL OF THE FIELDS ARE F POPULATED FOR YOU!!!    PURCHASED	PWS ID	KY0800273			MONITORING PERIOD	(MMYYYY) <b>0</b>	3/2014
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APPLICABLE TO ALL WATER SYSTEMS  ANALYTE CODE 0999  Number of days of operation 31 Free Chlorine (for all disinfectants except chloramine)  Were samples taken each day of operation? (Y/N) Y Number of samples under 0.2 mg/L					The second second second		
APPLICABLE TO ALL WATER SYSTEMS  ANALYTE CODE				BS115000 -15			
ANALYTE CODE 0999  Number of days of operation 31 Free Chlorine (for all disinfectants except chloramine)  Were samples taken each day of operation? (Y/N) Y Number of samples under 0.2 mg/L			DISTRIBUTION RESIDUAL	O ALL WA	STANT CONDENTRATIONS		
Number of days of operation  Were samples taken each day of operation? (Y/N)  The Chlorine (for all disinfectants except chloramine)  Number of samples under 0.2 mg/L	ANALYTECOP	7E 0999	APPLICABLE II	O ALL WA	Times O LO Lamo		
Were samples taken each day of operation? (Y/N)  Number of samples under 0.2 mg/L		of operation	31	Free	Chlorine (for all disinfectants	except chloramine	•)
11010 contribute format and at abandum /			ation? (Y/N)				0
Number of samples taken: <u>Total Chlorine</u> (when disinfectant is chloramine)			additi (1714)	Tota	CANAL SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SER		1. 7
124 Number of samples under 0.5 mg/l			124	-			
TOTAL 124		CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	124				
Lowest single FREE chlorine reading 0.20		REE chlorine reading		•			
Lowest single TOTAL chlorine reading 0.21			***************************************	=			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

East Tally
Signature of Prinicipal Executive Officer or Authorized Agent 04-03-2014
Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT DEP Form 4012R	Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction o	04/2014	Indicate one X	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY	
PWS ID :	KY0800273	PLANTID: A	-	Martin County Water District	
PWS NAME:	Martin County Water Di	strict	PLANT CLASS: _3		
AGENCY INTEREST (AI):	2987		DATE MAILED:	05-08-2014	
SOURCE NAME:	Crum Reservoir		COUNTY:	Martin	
WTP SHIFT 1:	Tug Fork OPERATOR(S) RESPONSIBLE / Earl T Alley	IN-CHARGE	CLASS 1V-A	CERTIFICATION NUMBER.	
WTP SHIFT 2:	Michael Sartin		1V-A	21944	
WTP SHIFT 3:	Jerry L Belcher		1V-A	21719	
THIS REF	PORT MUST BE RECEIVED BY NO LATER THAN 10				L .
TREATMENT PLANTS	COMPLETE:		J. —		
1. DESIGN CAPACITY (gpm)	:	1,667	<i>.</i>		
2. TYPE OF FILTRATION US	ED:	Dual Me	edia		
3. DESIGN FILTRATION RAT	E (gpm/sq. ft.):	2.66			
4. PERCENT BACKWASH W.	ATER USED:	0.8			
5. DATE FLOCCULATION BA	ASIN(S) LAST CLEANED:	#2 - 3/18/10 #	3 - 9/2/ 09		
6. DATE SETTLING BASIN(S	i) LAST GLEANED:	110000			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE



APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

PLANT ID: A

REPORT MONTH/YEAR: 04/2014

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	33,000			± 8 m + π		77.10 mm m 685					v y i y i v	400 000
	RAW WATER	HOURS PLANT	COAGI	JLANT	COAGI	ULANT	pH ADJU	JSTMENT	DISINFE	CTANT	DISINFE	
	TREATED	OPERATED						re	Pr		Po	
AY	GALLONS		LB8	РРМ	LB8	PPM	LBS	PPM	TBB	РРМ	LBS	PPM
1	2,041,000	24.0	257.4	15,1	4.2	0.2			368,9	21.7	159.8	9.4
2	1,984,000	24.0	257.4	15.6	4.2	0,3			366.4	22,1	159.8	9.7
3	1,587,000	19,0	203,9	15.4	3,3	0,2			282.4	21.3	126.5	9.6
10	1,999,000	24.0	324.6	19.5	4.2	0.3			387.4	23,2	170.5	10.2
	2,028,000	24.0	330.6	19.5	4.2	0.2			371.8	22.0	159,8	9.4
	1,999,000	24.0	330.6	19.8	4.2	0.3			401.3	24.1	159.8	9.6
	2,032,000	24.0	330.6	19.5	4.2	0.2			394.2	23.3	167.3	9.9
	1,988,000	24.0	330.6	19.9	4.2	0,3			395.5	23.9	163.4	9.9
	1,943,000	23.0	316.9	19.6	4.0	0.2		12	387.4	23.9	153.2	9.5
0	1,969,000	24.0	330.6	20.1	4.2	0.3			408.9	24.9	159.8	9.7
1	1,953,000	23.0	285.0	17.5	4.0	0.2			389.2	23.9	153,2	9.4
2	1,929,000	23.0	246.8	15.3	4.0	0.2	1		393,5	24.5	156.9	9.8
3	1,863,000	22.0	236,1	15.2	3.9	0.2			378.5	24.4	155.1	10.0
	1,988,000	23.5	252.2	15.2	4.1	0,2			382.3	23.1	160.1	9.7
	1,931,000	23.0	246.8	15.3	4.0	0.2			375.2	23.3	153,2	9.5
9 (5) 9 (5)	1,988,000	23.0	246.8	14.9	4.0	0.2			410.1	24.7	159.8	9.6
	2,026,000	24.0	279.6	16.5	4.2	0,2			393.4	23.3	159.8	9.5
8	1,934,000	23.0	280.6	17.4	4.0	0.2			380.3	23.6	162.2	10.1
9	2,017,000	24.0	292.9	17.4	4.2	0.2			391.4	23.3	169.2	10.1
Ó	2,002,000	24.0	292.9	17.5	4.2	0.3			391.4	23.4	169,2	10.
	1,881,000	22.0	268.4	17.1	3.9	0.2			375.6	23.9	165.3	10.5
2	2,014,000	24.0	270.8	16.1	4.2	0.3			406.6	24.2	175.0	10.4
3000	2,040,000	24.0	257.4	15.1	4.2	0.2			412.3	24.2	169.2	9.9
4	1,894,000	24.0	257,4	16.3	4.2	0.3			405.8	25.7	169.2	10.7
	1,887,000	22.0	236,1	15.0	3.9	0.2			367.2	23.3	155.1	9.9
	1,887,000	22.0	218.0	13.9	3.9	0.2			381.5	24.2	155,1	9.9
72	1,892,000	22,5	210.2	13.3	3,9	0.2			395.7	25.1	162,7	10.3
40 M	1,830,000	23.0	214.8	14.1	4.0	0.3		1	378.7	24.8	162.2	10.6
9	1,810,000	22.0	218.0	14.4	3.9	0.3			368.0	24:4	159.1	10.8
0	1,782,000	22.5	210.2	14.1	3.9	0.3			377.5	25.4	158.6	10:7
	A SAN SAN SAN SAN SAN SAN SAN SAN SAN SA	0.00		////								
TAL	58,118,000		8033.8		121.5		0.0		11518.4		4810.1	
RAGE	1,937,267		267.8	16.5	4.1	0.3	#DIV/01	#DIV/0!	383.9	23.8	160,3	9.9

Section 1997	
A STATE OF THE PARTY OF	LICABLE TO ALL PLANTS
国的25% (1995年)	CONDICTION WILL CONTINUE TO THE
Control Control	

PWS ID: KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 04/2014

					9 10	10 1 1 1 1 1 B	IEMICALS ADDEL			areal (Cont.			100000	1001350
	DISINFE	CTANT	FLUO	RIDE	CAF	BON	pH ADJI	ISTMENT	KM	пО4	CORR	DBION	H2	02
							Por	st						
AY	LB8	РРМ	LBB	PPM	LBS	PPM	LB8	PPM	LBS	РРМ	LBS	PPM	LBB	PPM
	528.7	31.1	60.9	3.6			159.5	9.4					11.0	0.6
	526.2	31.8	60.9	3.7			159.5	9.6	2				10.5	0.8
	408.9	30.9	48.2	3.6			126.3	9,5					8.5	0,6
	557.9	33.5	60.9	3.7			159.5	9,6					8.5	0.5
	531.6	31.4	60.9	3.6			159,5	9.4					10.0	0.6
	561.1	33.7	60.9	3.7			159.5	9.6					11.0	0.7
ğiri)	561.5	33,1	60.9	3.6			159.5	9.4					10.0	0,6
	558.9	33.7	60.9	3.7			159.5	9,6					10.0	0,6
	540.6	33.4	58,4	3,6			153.0	9.4					10.0	0.6
U.	568.7	34.6	60.9	3.7			159.5	9.7					10.0	0.6
	542.4	33.3	58.4	3,6			152,9	9,4					10.0	0.6
211	550.4	34.2	58.4	3.6			152.9	9,5					10.0	0.6
3	533.6	34.3	55.8	3.6			148.2	9.4					10,0	0.6
4	542.4	32.7	59.6	3,6			156.3	9.4					10.0	0.6
5	528.4	32.8	58.4	3.6			163.0	9.5					8.0	0,5
6	569.9	34.4	58.4	3.5			153.0	9.2				5	11.0	0.7
7	553.2	32.7	60.9	3.6			159.8	9.5					12.0	0.7
ų.	542.5	33.6	58.4	3.6			153.0	9.5					11.5	0.7
9	560.6	33.3	60,9	3,6			159.8	9.5					12.5	0.7
0	560.6	33.6	60.9	3.6			159.8	9.6					12.0	0.7
94	540,9	34.5	55.8	3.6			146.3	9.3				_	11.5	0.7
2	581.6	34.6	60.9	3,6			159.8	9.5					12.5	0.7
36	581.5	34.2	60.9	3,6			159.6	9.4					13.0	0.8
4	575.0	36.4	60.9	3.9			159.6	10.1					13.5	0.9
5	522.3	33.2	56.8	3,5			146.3	9.3					16.0	1,0
6	536.6	34.1	55.8	3,5			146.3	9.3					16.0	1.0
	558.4	35.4	57.1	3,6			149.6	9.5					13.5	0.9
8	540.9	35.4	58.4	3.6			159.5	10.5					12,5	0.8
9	519.1	34.4	55.8	3.7			146.3	9.7					12.5	0.8
Ď:	536.1	36.1	57.1	3.8			149.6	10.1					12.5	0.8
1	16,320.5		1,762.3		0.0		4,624.9		0,0		0.0		340.0	-21-17-
RAGE		33.7	58.7	3.6	#DIV/0I	#DIV/0!	154.2	9.5	#DIV/0I	#DIV/01	#DIV/01	#DIV/0I	11.3	0.7

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 04/2014

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Name	XIII		n Se	magn #1				TAL	EM DUCES!		E SPECIFIEI RESIDUAL	discover and		TURBIDITY (N	ITU)
RAW FILER TAP RAW TAP RAW TAP TAP TOTAL FREE TOTAL 6.74 6.66 7.14 16 18 38 34 0.72 0.67 1.89 6.74 6.72 7.20 15 12 32 28 0.69 0.64 1.87 6.72 6.72 7.20 16 12 42 36 0.73 0.67 1.87 6.83 6.74 7.19 14 13 37 34 0.74 0.70 1.89 6.80 6.73 7.21 14 17 37 33 0.64 0.59 1.87 6.74 6.67 7.16 12 15 36 30 0.88 0.63 1.83 6.74 6.75 7.23 18 16 26 22 0.64 0.60 1.88 6.74 6.67 7.16 12 15 36 30 0.88 0.63 1.83 6.74 6.67 7.16 12 15 36 30 0.88 0.63 1.83 6.74 6.68 6.74 7.22 20 17 28 23 0.76 0.71 1.86 6.89 6.74 7.22 20 17 28 23 0.76 0.71 1.86 6.69 6.74 7.22 20 17 28 23 0.76 0.71 1.88 6.61 6.61 7.14 18 15 31 27 0.68 0.64 1.90 6.63 6.70 7.15 9 11 28 25 0.78 0.74 1.96 6.66 6.69 7.10 10 12 36 30 0.80 0.74 1.92 6.74 6.67 7.10 22 20 43 39 0.75 0.70 1.91 6.74 6.68 7.71 11 14 28 24 0.79 0.75 1.91 6.75 6.76 6.69 7.15 12 10 37 32 0.74 0.70 1.92 6.76 6.69 7.15 12 10 37 32 0.74 0.70 1.94 6.77 6.78 6.69 7.15 12 10 37 32 0.74 0.70 1.94 6.79 6.69 6.74 7.22 10 12 31 29 0.66 0.60 1.90 6.70 6.68 7.22 10 12 31 29 0.66 0.60 1.90 6.71 6.72 6.73 7.72 10 12 27 25 0.72 0.68 1.99 6.74 6.67 7.10 7 12 27 25 0.72 0.68 1.99 6.75 6.76 6.69 7.15 10 12 30 27 0.68 0.60 1.90 6.77 6.78 6.69 7.15 10 12 30 27 0.68 0.60 1.90 6.79 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.60 7.10 7 12 27 25 0.72 0.68 1.99 6.60 6.60 7.10 7 12 27 25 0.72 0.68 1.99 6.60 6.60 7.10 7 12 27 25 0.72 0.68 1.99 6.60 6.60 7.11 13 15 33 29 0.71 0.66 1.88 6.61 6.61 7.07 15 12 28 23 0.75 0.70 1.98 6.60 6.65 7.14 13 15 33 29 0.71 0.66 1.88 6.61 6.61 7.07 15 12 28 23 0.75 0.69 1.91 6.67 6.68 7.21 12 14 25 18 0.71 0.66 1.88 6.67 6.69 7.12 13 16 33 29 0.71 0.66 1.88 6.67 6.69 7.12 13 16 33 29 0.79 0.59 0.54 1.83	1		- 1927/2C							OF	PLA			SETTLED	PLANT
6.74 6.72 7.20 15 12 32 28 0.89 0.64 1.87 6.72 6.72 7.20 16 12 42 36 0.73 0.67 1.87 6.83 6.74 7.19 14 13 37 34 0.74 0.70 1.89 6.80 6.73 7.21 14 17 37 33 0.64 0.59 1.87 6.74 6.75 7.23 18 16 26 22 0.64 0.60 1.88 6.74 6.67 7.16 12 15 36 30 0.68 0.63 1.83 6.71 6.73 7.23 21 17 37 33 0.67 0.62 1.82 6.69 6.74 7.22 20 17 28 23 0.76 0.71 1.86 6.69 6.75 7.20 11 10 28 25 0.75 0.70 1.91 6.63 6.79 7.10 10 12 36 30 0.68 0.64 1.90 6.61 6.61 7.14 18 15 31 27 0.68 0.64 1.90 6.65 6.69 7.15 12 10 37 32 0.00 0.74 1.92 6.67 6.68 7.15 12 10 37 32 0.00 0.74 1.92 6.68 6.69 7.15 12 10 37 32 0.00 0.74 1.92 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.91 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.91 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.60 6.65 7.14 13 15 33 29 0.75 0.70 1.98 6.60 6.68 7.21 12 14 25 18 0.71 0.66 1.91 6.60 6.65 7.14 13 15 33 29 0.71 0.66 1.91 6.60 6.65 7.14 13 15 33 29 0.71 0.66 1.98 6.61 6.63 7.15 10 12 28 23 0.75 0.69 0.83 1.91 6.60 6.65 7.14 13 15 34 30 0.69 0.64 1.90 6.67 6.68 7.11 12 14 25 18 0.71 0.66 1.91 6.68 6.69 7.12 13 15 34 30 0.69 0.64 1.94 6.67 6.68 7.11 12 15 30 27 0.72 0.66 1.99 6.67 6.68 7.11 12 13 15 34 30 0.69 0.64 1.84	AY	RAW		TAP	RAW	TAP	RAW	TAP				FREE	RAW	WATER	TAP
6.72 6.72 7.20 16 12 42 36 0.73 0.67 1.87 6.83 6.74 7.19 14 13 37 34 0.74 0.70 1.89 6.80 6.73 7.21 14 17 37 33 0.64 0.59 1.87 6.74 6.75 7.23 18 16 26 22 0.64 0.60 1.88 6.74 6.67 7.16 12 15 36 30 0.68 0.63 1.83 6.71 6.73 7.23 21 17 37 33 0.67 0.62 1.82 6.89 6.74 7.22 20 17 28 23 0.76 0.71 1.86 6.68 6.69 7.20 11 10 28 25 0.76 0.70 1.91 6.63 6.70 7.19 18 16 28 24 0.77 0.71 1.88 6.61 6.61 7.14 18 15 31 27 0.68 0.64 1.90 6.68 6.69 7.15 9 11 28 25 0.78 0.74 1.96 6.68 6.71 7.10 10 12 36 30 0.80 0.74 1.92 6.71 6.69 7.12 11 14 28 24 0.79 0.75 1.91 6.72 6.73 7.23 11 14 15 36 30 0.80 0.74 1.92 6.74 6.75 7.10 22 20 43 39 0.75 0.70 1.91 6.75 6.77 7.10 10 12 36 30 0.80 0.74 1.92 6.77 6.78 6.69 7.12 11 14 28 24 0.79 0.75 1.91 6.78 6.69 7.15 12 10 37 32 0.74 0.70 1.92 6.79 6.79 7.70 7.70 7.70 7.92 1.92 6.70 6.70 7.70 7.70 7.92 1.93 1.94 6.71 6.72 7.72 7.93 1.94 6.72 6.73 7.93 1.94 6.74 6.75 7.70 7.95 1.94 6.75 6.76 6.77 7.70 7.95 1.94 6.77 6.78 7.79 9 12 30 29 0.72 0.66 1.98 6.78 6.79 7.72 10 12 31 29 0.66 0.60 1.90 6.79 6.79 6.79 7.75 10 12 30 27 0.69 0.83 1.91 6.70 6.68 7.21 12 14 25 18 0.71 0.66 1.99 6.71 6.72 7.72 10 12 30 27 0.69 0.83 1.91 6.73 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.74 6.75 7.75 10 12 30 27 0.72 0.66 1.99 6.75 6.76 6.77 7.17 12 15 30 27 0.72 0.66 1.99 6.77 6.78 7.71 12 15 30 27 0.72 0.66 1.99 6.70 6.68 7.21 12 14 25 18 0.71 0.66 1.91 6.70 6.68 7.21 12 14 25 18 0.71 0.66 1.91 6.70 6.68 7.21 12 14 25 18 0.71 0.66 1.91 6.70 6.68 7.21 12 14 25 18 0.71 0.66 1.91 6.70 6.68 7.21 12 14 25 18 0.71 0.66 1.88 6.71 6.72 6.72 7.72 7.72 7.72 0.66 1.99 6.73 6.74 6.74 6.75 7.71 12 15 30 27 0.72 0.66 1.99 6.74 6.74 6.75 7.71 12 15 30 27 0.72 0.66 1.99 6.75 6.76 6.77 1.91 11 15 18 28 25 0.75 0.75 0.75 0.70 1.98 6.77 6.78 7.71 12 15 30 27 0.72 0.66 1.99 6.70 6.70 6.71 1.91 1.91 1.91 1.91 1.91 6.70 6.70 6.70 7.11 1.91 1.91 1.91 1.91 6.70 6.70 6.70 7.11 1.91 1.91 1.91 1.91 6.70 6.70 6.70 7.11 1.91 1.91 1.91 1.91 6.70 6.70 6.70 7.11 1.91 1.91 1.91 1.91 6.70 6.70 6.70 7.11 1.91 1.91 1.91 1.91 1.91		6.74	6.66	7.14	16	18	38	34	0.72	0.67	1,89	1.85	24.50	0.23	0.04
6.72         6.72         7.20         16         12         42         36         0.73         0.67         1.87           6.83         6.74         7.19         14         13         37         34         0.74         0.70         1.89           6.80         6.73         7.21         14         17         37         33         0.64         0.59         1.87           6.74         6.75         7.23         18         16         28         22         0.64         0.60         1.88           6.74         6.67         7.16         12         15         36         30         0.68         0.63         1.83           6.71         6.73         7.23         21         17         37         33         0.67         0.62         1.82           6.69         6.74         7.22         20         17         28         23         0.76         0.71         1.86           6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71 <td></td> <td>6.74</td> <td>6.72</td> <td>7.20</td> <td>15</td> <td>12</td> <td>32</td> <td>28</td> <td>0.69</td> <td>0.64</td> <td>1.87</td> <td>1.85</td> <td>18.70</td> <td>0.24</td> <td>0.04</td>		6.74	6.72	7.20	15	12	32	28	0.69	0.64	1.87	1.85	18.70	0.24	0.04
6.83         6.74         7.19         14         13         37         34         0.74         0.70         1.89           6.80         6.73         7.21         14         17         37         33         0.64         0.59         1.87           6.74         6.75         7.23         18         16         26         22         0.64         0.60         1.88           6.74         6.67         7.16         12         15         36         30         0.68         0.63         1.83           6.71         6.73         7.23         21         17         37         33         0.67         0.62         1.82           6.69         6.74         7.22         20         17         28         23         0.76         0.71         1.86           6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64 <td></td> <td>6.72</td> <td>6.72</td> <td>7.20</td> <td>16</td> <td>12</td> <td>42</td> <td>36</td> <td>0.73</td> <td>0.67</td> <td>1.87</td> <td>1.85</td> <td>19.00</td> <td>0.17</td> <td>0.04</td>		6.72	6.72	7.20	16	12	42	36	0.73	0.67	1.87	1.85	19.00	0.17	0.04
6.74 6.75 7.23 18 16 26 22 0.64 0.60 1.88 6.74 6.67 7.16 12 15 36 30 0.68 0.63 1.83 6.71 6.73 7.23 21 17 37 33 0.67 0.62 1.82 6.69 6.74 7.22 20 17 28 23 0.76 0.71 1.86 6.78 6.69 7.20 11 10 28 25 0.75 0.70 1.91 6.63 6.61 7.14 18 15 31 27 0.68 0.64 1.90 6.65 6.69 7.15 12 10 37 32 0.76 0.74 1.92 6.74 6.67 7.10 22 20 43 39 0.75 0.70 1.91 6.68 6.64 7.19 9 12 30 29 0.75 0.70 1.94 6.68 6.64 7.19 9 12 30 29 0.72 0.66 1.98 6.69 6.67 7.22 10 12 31 29 0.66 0.60 1.90 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.68 6.64 7.17 12 14 25 18 0.71 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.68 6.64 7.17 12 15 14 25 18 0.71 0.66 1.99 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.69 6.66 7.10 7 12 27 25 0.72 0.66 1.99 6.69 6.66 7.17 12 14 25 18 0.71 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 1.98 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 10 14 30 26 0.75 0.70 0.66 1.91 6.74 6.68 7.24 11 12 14 25 18 0.71 0.66 1.88 6.74 6.68 7.24 11 12 14 25 18 0.71 0.66 1.88 6.74 6.68 7.24 11 12 14 25 18 0.71 0.66 1.88 6.74 6.89 7.11 15 18 28 25 0.64 0.59 0.54 0.59 1.90		6.83	6,74	7.19	14	13	37	34	0.74	0.70	1.89	1.86	21.20	0.22	0.06
6.74         6.75         7.23         18         16         26         22         0.64         0.60         1.88           8.74         6.67         7.16         12         15         36         30         0.68         0.63         1.83           6.71         6.73         7.23         21         17         37         33         0.67         0.62         1.82           6.89         6.74         7.22         20         17         28         23         0.76         0.71         1.86           6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           6.65         6.69         7.15         9         11         28         25         0.78         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75 <td></td> <td></td> <td>6.73</td> <td>7.21</td> <td>14</td> <td>17</td> <td>37</td> <td>33</td> <td>0.64</td> <td>0.59</td> <td>1.87</td> <td>1.82</td> <td>31.10</td> <td>0.19</td> <td>0.04</td>			6.73	7.21	14	17	37	33	0.64	0.59	1.87	1.82	31.10	0.19	0.04
6.74         6.67         7.16         12         15         36         30         0.68         0.63         1.83           6.71         6.73         7.23         21         17         37         33         0.67         0.62         1.82           6.69         6.74         7.22         20         17         28         23         0.76         0.71         1.86           6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           6.85         6.89         7.15         9         11         28         25         0.78         0.74         1.96           6.85         6.89         7.15         9         11         28         24         0.79         0.75         1.91           6.71         6.69         7.12         11         14         28         24         0.79         0.75		6.74	6.75	7.23	18	16	26	22	0.64	0.60	1.88	1.87	27.40	0.17	0.05
6.71         6.73         7.23         21         17         37         33         0.67         0.62         1.82           6.69         6.74         7.22         20         17         28         23         0.76         0.71         1.86           6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           6.65         6.69         7.15         9         11         28         25         0.78         0.74         1.96           6.85         6.71         7.10         10         12         35         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70 <td></td> <td></td> <td>6.67</td> <td>7.16</td> <td>12</td> <td>15</td> <td>36</td> <td>30</td> <td>0.68</td> <td>0.63</td> <td>1.83</td> <td>1.81</td> <td>30.50</td> <td>0.16</td> <td>0.04</td>			6.67	7.16	12	15	36	30	0.68	0.63	1.83	1.81	30.50	0.16	0.04
6.69         6.74         7.22         20         17         28         23         0.76         0.71         1.86           6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           6.85         6.69         7.15         9         11         28         25         0.78         0.74         1.96           6.85         6.69         7.10         10         12         35         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70 <td></td> <td>to constitution</td> <td>6.73</td> <td>7.23</td> <td>21</td> <td>17</td> <td>37</td> <td>33</td> <td>0.67</td> <td>0.62</td> <td>1.82</td> <td>1.77</td> <td>28.00</td> <td>0.21</td> <td>0.05</td>		to constitution	6.73	7.23	21	17	37	33	0.67	0.62	1.82	1.77	28.00	0.21	0.05
6.78         6.69         7.20         11         10         28         25         0.75         0.70         1.91           6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           6.65         6.69         7.15         9         11         28         25         0.78         0.74         1.96           6.58         6.71         7.10         10         12         35         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65 <td></td> <td></td> <td>6.74</td> <td>7.22</td> <td>20</td> <td>17</td> <td>28</td> <td>23</td> <td>0.76</td> <td>0.71</td> <td>1.86</td> <td>1.83</td> <td>23.60</td> <td>0.18</td> <td>0.05</td>			6.74	7.22	20	17	28	23	0.76	0.71	1.86	1.83	23.60	0.18	0.05
6.63         6.70         7.19         18         16         28         24         0.77         0.71         1.88           6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           8.65         6.69         7.15         9         11         28         25         0.78         0.74         1.96           6.58         6.71         7.10         10         12         35         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65 <td></td> <td>6.78</td> <td>6.69</td> <td>7.20</td> <td>11</td> <td>10</td> <td>28</td> <td>25</td> <td>0.75</td> <td>0.70</td> <td>1.91</td> <td>1.88</td> <td>22.00</td> <td>0.25</td> <td>0.06</td>		6.78	6.69	7.20	11	10	28	25	0.75	0.70	1.91	1.88	22.00	0.25	0.06
6.61         6.61         7.14         18         15         31         27         0.68         0.64         1.90           6.65         6.69         7.15         9         11         28         25         0.78         0.74         1.96           6.58         6.71         7.10         10         12         35         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60					18	16	28	24	0.77	0.71	1.88	1.86	17.90	0.22	0.04
8.65         6.69         7.15         9         11         28         25         0.78         0.74         1.96           6.58         6.71         7.10         10         12         36         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66	國際				18	15	31	27	0:68	0.64	1.90	1.85	19.40	0.17	0.04
6.58         6.71         7.10         10         12         35         30         0.80         0.74         1.92           6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.99           6.61         6.63         7.24         10         14         30         26         0.75         0.70	2			7.15	9	11	28	25	0.78	0.74	1.96	1.92	19.90	0.19	0.04
6.71         6.69         7.12         11         14         28         24         0.79         0.75         1.91           6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.99           6.61         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70	about 1				10	12	36	30	0.80	0.74	1.92	1.87	18.90	0.19	0.04
6.74         6.67         7.10         22         20         43         39         0.75         0.70         1.92           6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.99           6.61         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70         1.98           6.70         6.68         7.21         12         14         25         18         0.71         0.66			6.69	7.12	11	14	28	24	0.79	0.75	1.91	1.88	18.20	0.21	0.05
6.76         6.69         7.15         12         10         37         32         0.74         0.70         1.94           6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.90           6.69         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70         1.98           6.70         6.68         7.21         12         14         25         18         0.71         0.66         1.91           6.69         6.61         7.14         13         15         33         29         0.71         0.66		Jan de	6.67	7.10	22	20	43	39	0.75	0.70	1.92	1.89	20.80	0.21	0.05
6.64         6.68         7.26         15         14         36         32         0.69         0.65         1.88           6.68         6.64         7.19         9         12         30         29         0.72         0.66         1.96           6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.99           6.61         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70         1.98           6.70         6.68         7.21         12         14         25         18         0.71         0.66         1.91           6.68         6.64         7.17         12         15         30         27         0.72         0.66         1.99           6.60         6.65         7.14         13         15         33         29         0.71         0.66		6.76	6:69	7.15	12	10	37	32	0.74	0.70	1.94	1.90	20.30	0.22	0.04
6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.99           6.61         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70         1.98           6.70         6.68         7.21         12         14         25         18         0.71         0.66         1.91           6.68         6.64         7.17         12         15         30         27         0.72         0.66         1.91           6.60         6.65         7.14         13         15         33         29         0.71         0.66         1.88           6.61         6.61         7.07         15         12         28         23         0.75         0.69         1.91           6.57         6.65         7.12         13         15         34         30         0.69         0.64 <td></td> <td>6.64</td> <td>6.68</td> <td>7.26</td> <td>15</td> <td>14</td> <td>36</td> <td>32</td> <td>0.69</td> <td>0.65</td> <td>1.88</td> <td>1.85</td> <td>20.00</td> <td>0.24</td> <td>0.05</td>		6.64	6.68	7.26	15	14	36	32	0.69	0.65	1.88	1.85	20.00	0.24	0.05
6.69         6.67         7.22         10         12         31         29         0.66         0.60         1.90           6.69         6.66         7.10         7         12         27         25         0.72         0.66         1.99           6.61         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70         1.98           6.70         6.68         7.21         12         14         25         18         0.71         0.66         1.91           6.68         6.64         7.17         12         15         30         27         0.72         0.66         1.99           6.60         6.65         7.14         13         15         33         29         0.71         0.66         1.88           6.61         6.61         7.07         15         12         28         23         0.75         0.69         1.91           6.57         6.65         7.12         13         15         34         30         0.69         0.64 <td></td> <td>6.68</td> <td>6.64</td> <td>7.19</td> <td>9</td> <td>12</td> <td>30</td> <td>29</td> <td>0.72</td> <td>0.66</td> <td>1.96</td> <td>1.93</td> <td>19.50</td> <td>0.24</td> <td>0.05</td>		6.68	6.64	7.19	9	12	30	29	0.72	0.66	1.96	1.93	19.50	0.24	0.05
6.61     6.63     7.15     10     12     30     27     0.69     0.63     1.91       6.74     6.68     7.24     10     14     30     26     0.75     0.70     1.98       6.70     6.68     7.21     12     14     25     18     0.71     0.66     1.91       6.68     6.64     7.17     12     15     30     27     0.72     0.66     1.99       6.60     6.65     7.14     13     15     33     29     0.71     0.66     1.88       6.61     6.61     7.07     15     12     28     23     0.75     0.69     1.91       6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90		6.69	6.67	7.22	10	12	31	29	0.66	0.60	1.90	1.88	18.90	0.25	0.06
6.61         6.63         7.15         10         12         30         27         0.69         0.63         1.91           6.74         6.68         7.24         10         14         30         26         0.75         0.70         1.98           6.70         6.68         7.21         12         14         25         18         0.71         0.66         1.91           6.68         6.64         7.17         12         15         30         27         0.72         0.66         1.99           6.60         6.65         7.14         13         15         33         29         0.71         0.66         1.88           6.61         6.61         7.07         15         12         28         23         0.75         0.69         1.91           6.57         6.65         7.12         13         15         34         30         0.69         0.64         1.84           6.67         6.69         7.12         13         16         33         29         0.59         0.54         1.83           6.55         6.69         7.11         15         18         28         25         0.64         0.59 <td>221</td> <td>6.69</td> <td>6.66</td> <td>7.10</td> <td>7</td> <td>12</td> <td>27</td> <td>25</td> <td>0.72</td> <td>0.66</td> <td>1.99</td> <td>1.95</td> <td>18.80</td> <td>0.23</td> <td>0.05</td>	221	6.69	6.66	7.10	7	12	27	25	0.72	0.66	1.99	1.95	18.80	0.23	0.05
6.74     6.68     7.24     10     14     30     26     0.75     0.70     1.98       6.70     6.68     7.21     12     14     25     18     0.71     0.66     1.91       6.68     6.64     7.17     12     15     30     27     0.72     0.66     1.99       6.60     6.65     7.14     13     15     33     29     0.71     0.66     1.88       6.61     6.61     7.07     15     12     28     23     0.75     0.69     1.91       6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90	781	6.61	6.63	7.15	10	12	30	27	0.69	0.63	1.91	1.88	18.30	0.25	0.05
6.70     6.68     7.21     12     14     25     18     0.71     0.66     1.91       6.68     6.64     7.17     12     15     30     27     0.72     0.66     1.99       6.60     6.65     7.14     13     15     33     29     0.71     0.66     1.88       6.61     6.61     7.07     15     12     28     23     0.75     0.69     1.91       6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90	CONCUSA -	6.74	6.68	7.24	10	14	30	26	0.75	0.70	1.98	1.94	17.70	0.21	0.05
6.68     6.64     7.17     12     15     30     27     0.72     0.66     1.99       6.60     6.65     7.14     13     15     33     29     0.71     0.66     1.88       6.61     6.61     7.07     15     12     28     23     0.75     0.69     1.91       6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90		6.70	6.68	7.21	12	14	25	18	0.71	0.66	1.91	1.85	17.30	0.19	0.05
6.61     6.61     7.07     15     12     28     23     0.75     0.69     1.91       6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90	CW04535	6.68	6.64	7.17	12	15	30	27	0.72	0.66	1.99	1.94	17.10	0.23	0.05
6.61     6.61     7.07     15     12     28     23     0.75     0.69     1.91       6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90		6.60	6.65	7.14	13	15	33	29	0.71	0.66	1.88	1.84	16.20	0.23	0.08
6.57     6.65     7.12     13     15     34     30     0.69     0.64     1.84       6.67     6.69     7.12     13     16     33     29     0.59     0.54     1.83       6.55     6.69     7.11     15     18     28     25     0.64     0.59     1.90	e) - 05	6.61	6.61	7.07	15	12	28	23	0.75	0.69	1.91	1.88	16.30	0.27	0.05
6.67 6.69 7.12 13 16 33 29 0.59 0.54 1.65 6.55 6.69 7.11 15 18 28 25 0.64 0.59 1.90		6.57	6.65	7.12	13	15	34	30	0.69	0.64	1.84	1.80	15.60	0.24	0.06
6.55 6.69 7.11 15 18 28 25 0.64 0.59 1.90	9	6.67	6.69	7.12	13	16	33	29	0.59	0.54	1.83	1.80	15.40	0.25	0.05
	0'	6.55	6.69	7.11	15	18	28	25	0.64	0.59	1.90	1.87	15.30	0.25	0.06
RAGE 6.7 6.7 7.2 14 14 32 28 0.71 0.66 1.90					-	-						1.87	20.26	0.22	0.05

#### OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PWS ID:

AGENCY INTEREST:

KY0800273

PLANT ID:

2987

04/2014

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF

REPORT MONTH/YEAR:

	RAW DAILY		distributed:		BASIN EFFI		ALYTICAL	21122111-00	1,4400		L FILTER E	JM			CFE DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#8	#1	#2	#3	#4	#5	#6	#7	MAXIMU
1	24.50		0.31	0.25						0.05	0.05	0.05	0.05	1	0.04
2	18.70		0.29	0.30						0.07	0.08	0.05	0.05		0.05
y,	19.00		0.30	0.24						0.05	0.06	0.05	0.05		0.04
Ą	21.20		0.36	0.27						0.08	0.09	0.15	0.11		0.10
115	31.10		0.20	0.23						0.05	0.05	0.05	0.05		0.04
В	27.40		0.22	0.20						0.06	0.07	0.05	0:07		0.05
7	30.50		0.17	0.15						0.05	0.05	0.07	0.05	E 100	0.05
a	28.00		0.26	0.38	×		_			0.05	0.05	0.08	0.06		0.05
g	23.60		0.24	0.18						0.05	0.05	0.06	0.06		0.05
10.	22.00		0.45	0.29						0.07	0.07	0.06	0.06		0.05
41	17.90		0.44	0.28						0.05	0.05	0.05	0.05		0.05
12	19.40		0.23	0.20						0.05	0.05	0.09	0.08		0.09
13	19.90		0.25	0.24						0.05	0.05	0.05	0.06		0.05
	18.90	IV.	0.21	0.23						0.06	0.06	0.05	0.05		0.04
15	18.20		0.26	0.28						0.06	0.05	0.06	0.06		0.04
16	20.80		0.31	0.23						0.05	0.05	0.08	0.08	40	0.05
117	20.30		0.29	0.19						0.05	0.05	0.05	0.06	200	0.05
48.	20.00		0.36	0.36						0.07	0.06	0.05	0.06	inc.	0.05
19	19.50		0.31	0.31						0.06	0.06	0.05	0.06		0.05
210	18.90		0.29	0.27						0.06	0.06	0.09	80.0	- 23	0.07
21	18.80		0.28	0.24						0.06	0.05	0.06	0.07		0.06
22	18.30		0.32	0.24						0.07	0.08	0.05	0.07		0.07
-29	17.70		0.30	0.24						0.05	0.05	0.05	0.06		0.08
24.	17.30		0.24	0.20						0.05	0.05	0.15	0.15		0.09
25	17.10	P-2	0.28	0.34						0.08	0.08	0.05	0.06		0.06
26	16.20		0.30	0.26						0.06	0.06	0.05	0.05		0.08
27	16.30		0.44	0.48						0.09	0.12	0.13	0.13	4	0.13
28	15.60	8	0.32	0.27						0.05	0.05	0.13	0.14	25	0.08
29	15.40		0.40	0.27						0.06	0.06	0.06	0.06		0.06
30	15.30	5	0.40	0.35	2					0.11	0.10	0.05	0.06	54.7	0.0
31 VERAG		#DIV/01	0.3	0	#DIV/0!	#DIV/01	#DI\//01	#DIV//01	#DIV/01	0.06	0.06	0.07	0.07	#DIV/0!	0:00

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

1.45

0

Number of readings For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L 30

4.50

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

04/2014

			stion below	this chart.					AND COLUMN TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	5 OF	11
	FLUO	RIDE		NALYTICAL RI	the second second second second	GANESE	ESS OF HERW		Lowest Dally Chiorine Residual Plant Tap On-Line Chiorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.00	0.84	0.84	0.03	0.13	0.01			1.80	0.0	9.6
2	0.04	0.90	0.34	0.03	0.10	0.01			1.80	0.0	9.5
3	0.00	0.93	0.33	0.03	0.09	0.01			1.70	0.0	9.3
4	0.00	0.96	0.56	0.03	0.17	0.01			1.70	1.6	10.2
5	0.00	0.80	0.74	0.03	0.16	0.01			1.75	0.3	10.9
6.1	0.00	0.80	0.70	0.03	0.15	0.01			1.70	0.0	10.6
.7	0.00	0.87	0.66	0.03	0.13	0.01			1.75	0.0	11.5
8	0.00	0.81	0.56	0.03	0.11	0.01			1.60	0.1	11.0
9	0.01	0.94	0.57	0.03	0.10	0.01				0.0	10.6
10	0.00	0.61	0.29	0.03	0.09	0.01				0.0	11.4
11	0.00	0.89	0.55	0.03	0.11	0.01			1.75	0.0	11.6
12	0.00	0.93	0.52	0.03	0.10	0.01			1.65	0.0	11.3
113	0.09	1.01	0.53	0.03	0.10	0.01			1.85	0.0	11.5
174	0.00	0.87	0.05	0.03	0.08	0.01			1.75	0.0	11.4
15	0.02	0.97	0.49	0.04	0.11	0.01				0,1	11.5
16	0.02	0.85	0.28	0.03	0.08	0.01			1.70	0.3	10.4
17	0.00	0.85	0.28	0.03	0.10	0.01	1		1.50	0.0	11.2
18	0.03	0.97	0.50	0.03	0.09	0.01			1.60	0.0	11.3
19	0.04	1.02	0.28	0.03	0.09	0.01			1.75	0.0	10.3
20	0.03	1.00	0.26	0.03	0.08	0.01			1.75	0.0	11.0
21	0.05	0.98	0.24	0.03	0.07	0.01			1.80	0.0	10.7
22.0	0.04	1.02	0.22	0.03	0.07	0.01			1.65	0.0	11.2
23	0.00	0.93	0.26	0.03	0.07	0.01			1.75	0.0	11.3
24	0.00	0.82	0.33	0.03	0.09	0.01	- Sticker		1.65	0.0	11.7
25	0.01	0.88	0.24	0.03	0.09	0.01			1.75	0.0	11.4
26	0.04	0.98	0.39	0.03	0.06	0.01			1.70	0.7	12.3
27	0.09	1.00	0.25	0.03	0.08	0.01			1.45	0,0	12.8
28	0.09	0.93	0.42	0.03	0.06	0.01			1.75	0.0	12.6
29	0.05	0.91	0.48	0.03	0.13	0.01			1.60	0.5	12.8
30	0.08	0.90	0.29	0.03	0.09	0.01			1.75	0.9	12.9
31 AVERAGE	0.02	0.91	0.41	0.03	0.10	0.01	#DIV/01	#DIV/0!	Monthly Minimum	Total Rainfall	11.2

Disinfectant Chloramines? (Y/N)

N

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

## APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 04/2014

			ENGINE DE S		100 VA	AU DIMENSION	VERNING TO	PAGE		OF	11
	TOTAL	No:	3	No:	4	No:	6 B	No:	6	No:	
	WASH WATER	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	renterior de la company
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR9	WASHWATER GALLONS	FILT RUN HR9	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN
<b>1</b> 1	0										
2 1	30,000	15,000	93.70	15,000	93.70						
3/4	0	19,18.5									
4	31,000					16,000	94.30	15,000	94.60	11	
	0										
5	33,000	16,000	88.90	17,000	88.90						
,		10,000	00.00	17,000	00.00						
	32,000					16,000	90.80	16,000	90.80		
B 9	0					10,000	00.00	10,000	00.00		
Section 2	V 53 U	18,000	94.10	18,000	94.10						V.
10	36,000	18,000	94,10	10,000	34.10				-		
11	0 20 000					15,000	93.00	15,000	93.00		
12	30,000					10,000	50.00	10,000	00.00		
13	0	40.000	00.70	40.000	00.70						-
14	26,000	13,000	90.70	13,000	90.70						
15	0					15,000	91.20	15,000	91.20		
16	30,000				h	15,000	91.20	13,000	51.25		
17	0	45.000	0.100	45.000	04.00					1 1	-
18	30,000	15,000	94.00	15,000	94.00					2 7 0 15	
19	0				-	45.000	93.90	15,000	93.90	75.	
20 =	30,000					15,000	93.90	19,000	30.50		
21	0	40.000	00.40	44.000	02.40					10	
22	27,000	13,000	92.40	14,000	92.40						
28	0					14,000	94.30	14,000	94.30		
24.	28,000	40.000	00.50	42,000	86.50	14,000	34.00	14,000	04.00		
26	26,000	13,000	86.50	13,000	80.50						7
26:	0				1						Jan 1
27	0					15,000	88.50	15,000	88.50		1 5
28	30,000					15,000	00.50	15,000	00.00		
29	0	44.000	00.50	14 000	00 50						3
30	28,000	14,000	96.50	14,000	96.50	7					111
31	0		mac ac	440.000	700.00	100,000	646.00	105,000	646.30	0	0.00
TOTAL	447,000	117,000	736.80	119,000	736.80	106,000	646.00		92.329	#DIV/0!	#DIV/0
VERAGE	14,419	14,625	92.100	14,875	92.100	15,143	92.286	15,000	92.529	#D(A10)	1 #1010/1

COPY AS NEEDED

AUL WATER SYSTEMS

PWS ID: KY0800273
PLANT ID: A

 REPORT MONTH/YEAR:
 04/2014

 PAGE
 7
 0F
 11

	CHEM	ICALS ADDED				TEST RE				
	CHLORINE	CHLORINE BOOSTER	NO	RTH	TOTAL		ILORINE RESIDUAL EAS	(ppm)	WE	ST
,	BOOSTER LBB	LBS	T	F	Т	F	T	F		p
no Mil			1.55	1.50	1.16	1.14	1.74	1.69	1.65	1.64
			1.13	1.06	1.21	1,21	1.38	1.34	1.22	1.19
			1.58	1.58	1.61	1,58	1.59	1.54	1.53	1.51
			1.55	1,48	1,40	1.33	1.61	1,56	1.64	1.59
			1.46	1.42	0.23	0.23	0.43	0.40	1.55	1,47
	23 (-		1,42	1.38	1.62	1,55	0.70	0.65	1.65	1.60
		7	1,42	1.36	1,10	1,07	1.62	1.60	1.62	1.57
1923			1,29	1.22	1.55	1.49	1.66	1.56	1.60	1,54
			1.49	1.48	1,79	1,72	1.76	1.70	1.72	1.70
			1,61	1.55	1.22	1.15	1.00	0.90	1.47	1.42
S10			1.60	1.56	1.56	1.54	1.51	1.48	1.58	1.55
	-		1.60	1,33	1.37	1.33	1.33	1,30	1.40	1.35
			1.65	1.61	0.93	0.93	1,28	1.26	0.35	0.30
				1.48	1,58	1.49	1.40	1.37	1.40	1.33
9821			1.44	1,40	1.41	1,39	1,60	1.54	1.42	1.37
			1.60	1.58	1.18	1,15	1.68	1.62	1.72	1,68
		2150	1.29	1.27	1.41	1.36	1,39	1,36	1.45	1.42
3388	oñ.		1.50	1.43	1,35	1.29	1.59	1,53	1.54	1.48
			1.22	1.20	1.39	1.38	1.30	1.25	1,28	1.24
				1.44	0.91	0.87	1.53	1.52	0.43	0.38
	.000		1.45 1.58	1.53	1.26	1,26	1.58	1.56	1,64	1.63
			4 44	1.34	1.57	1,55	1.29	1.24	1.60	1.56
		- 50	1.42	1.39	1.44	1,39	1.56	1.54	1.61	1.55
		<b>1</b>	1,26	1,19	0.47	0.40	1.53	1.49	1.36	1.25
	TWO TO A		1.16	1,10	0.85	0.77	1,63	1.59	1.50	1.43
			1.36	1.34	1,36	1.35	1.63	1.60	1,62	1.61
			1.59	1,54	1.51	1,44	1.63	1.58	1.74	1.63
		192 193	1.45	1.45	1.33	1.29	1.63	1.62	1.01	0.84
	W. J. F. V	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	0.92	0.86	1,34	1.28	1.28	1.18	1.34	1,26
			1,42	1.38	1.25	1,21	1.25	1,22	1.49	1,46
)			1,42	1.00						
	#DIV/01		rerage 1.42	1.38	1.28	1.24	1.44	1.39	1.44	1.39
GE	0.0	To	rtal	1.00	0,23		0.43	2.3	0.35	10
	0.0	J	ee nimum	0.86		0.23		0.40		0.30

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 30

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

TU						PWS ID :	KY0800	-10	_
	RBIDITY R	EPORT				PLANT ID:	Α		-
		AND DESCRIPTION OF THE PERSON NAMED IN COLUMN	ANTS WITH FIL	TRATION	Report Period (	MM/YYYY):	04/201	4	PAGE:
WS Nam	10:	Martin	County Water D	istrict		Source Control		a dide	8 OF 11
DAY	Hours Plant Operated		Mid 4 amo	4 am - 8 am	8 ans Noon :	Neonv⊈pm	u por « 8 pin	a om - Mid	Daily Maximum
	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.038
2	24.0	6	0.04	0.05	0.04	0.04	0.04	0.04	0.049
3.4	19.0	5	0.04	0.04	0.04	0.04	0.04		0.040
	24.0	6	0.08	0.10	0.04	0.04	0.04	0.04	0.104
5	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
В	24.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.050
7	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
9	23.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.050
10	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
411	23.0	6	0.05	0.05	0.05	0.04	0.05	0.04	0.050
12	23.0	6	0.09	0.05	0.04	0.04	0.04	0.04	0.090
13	22.0	6	0.04	0.05	0.04	0.04	0.04	0.04	0.050
16	23.5	6	0.04	0.04	0.04	0.04	0.04	0.04	0.042
15	23.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
18	23.0	6	0.04	0.05	0.04	0.05	0.05	0.05	0.052
17	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.049
1000	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
118	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
20	24.0	6	0.05	0.07	0.06	0.05	0.05	0.06	0.070
21	22.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.057
2012010	24.0	6	0.05	0.07	0.06	0.06	0.05	0,05	0.068
22	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
28	24.0	6	0.05	0.09	0.06	0.05	0.05	0.05	0.085
74	22.0	6	0.05	0.05	0.06	0.05	0.05	0.06	0.060
25	22.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
	22.5	6	0.05	0.05	0.13	0.05	0.05	0.05	0.130
27	23.0	6	0.05	0.08	0.06	0.05	0.05	0.05	0.081
28	22.0	6	0.05	0.05	0.05	0.05	0.06	0.05	0.056
30	22.5	6	0.05	0.07	0.06	0.05	0.05	0.05	0.071
3112	0.0	0	0.00	0.01					0.000
225-226	694.5	179			TO	AL # OF TURBIDITY	SAMPLES TAKEN	179	0.130
Total			J IAL or DIRECT FIL	TRATION? (Y/N	Per concession of a contact of books on the		-	-7. 11	3 - 77 - 3
Any type o	f filtration besides s	low sand)					4 NEU	0	
Numbe	r of samples e	xceeding>	0.1 NTU	2	0.3 NTU		1 NTU_	- 0	-
Fo	r slow sand file	tration, the numb	er of samples exc	eeding>	1 NTU		5 NTU _		
NOTE:	The "Number of next whole no	of Turbidity Samp	oles Required" is	the number of h	ours the plant oper	ated divided by 4	rounded		

INDIVIDUAL FIL	LTER TURBIDITY E	ACEEDANCE REP	UNI		
PWS Name:	Ma	artin County Water Dis	trict		
PWS ID:	KY08	300273			
PLANT ID:		A			6
Report Period (MM/	YYYY):	04/2	2014		
	eeded any one of the Summary Shee or report(s).				PAGE 9 OF 1
Date	Filter Number	Turbleity Reading (NTU)	Trigger Level (see below)	Reason (or Exceedings (if known)	Date and Time State was Contacted
					New March
				10-11-	
			*		
					Land all et
		· · · · · · · · · · · · · · · · · · ·			
		<del></del>		-	s - nsur

- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.:
- Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger B.:
- Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger C.:
- Fliter number, the turbidity measurement, the date of exceedance and a fliter self-assessment within 14 days of the
  - exceedance
- For Trigger D.:
- Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
- (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273		MAXIMUM PUMPAGE (gallons per day)  2,041,000  M/DUAL FICTER EFFLUENT TURBIDITY  CABLE TO ALL PLANTS WITH FILTRATION   ///N)  ipment? (Y/N)  present repaired within 5 working days? (Y/N)  or consecutive measurements? (Y/N)  or consecutive measurements after on line for more than four hours? (Y/N)  or consecutive measurements in three consecutive months? (Y/N)  or consecutive measurements in two consecutive months? (Y/N)  in consecutive measurements in two consecutive months? (Y/N)  in consecutive measurements in two consecutive months? (Y/N)  in thick in the more than four hours? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements after on line for more than four hours? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months? (Y/N)  in the consecutive measurements in two consecutive months?  in the consecutive months?  in the consecutive months?  in the consecutive months?  in the consecutive months?  in the consecu	2014	
-		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE FIELD	S ARE PRE-
		A PART AND A PART A	ANT INEC		
Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Con			ABLE T	O ALL PLANTS	
PLANT ID A				,,,	
PLANT NAME	Martin County V	Water District			
AGENCY INTERE	ST		MA	XIMUM PUMPAGE (gallons per day) 2,041,00	
		INDIVIDUALE	ILTER E	ANTE WITH EILTRATION	
		APPLICABLE TO	ALLPL	ANTS WITH FILTRATION	
ANALYTE CODE	0100				Y
	onitored continuously? (				
	nts recorded every 15 m		V/M)		N
vvas tnere a tailur	e of the continuous mon	ntoning equipment? ()	iziv) les collec	ted every four hours of operation? (Y/N)	
If Yes, (1) we	e the continuously monit	toring equipment repa	ired with	n 5 working days? (Y/N)	
(2) wa Mae individual filte	er level greater than 1.0	NTU in two consecut	ive meas	urements? (Y/N)	N
Was individual filt	er level greater than 0.5	NTU in two consecut	ive meas	urements after on line for more than four hours? (Y/N)	N
Was individual filte	er level greater than 1.0	NTU in two consecut	ive meas	urements in three consecutive months? (Y/N)	N
Was individual filte	er level greater than 2.0	NTU in two consecut	ive meas	urements in two consecutive months? (Y/N)	N
If any of the last	4 boxes are YES, fill o	ut the Individual Fils	ter Turbi	dity Sheet and submit with the MOR	LEGE August
APPLICA	BINED FILTER EFFUUI BLE TO ALL PLANTS	NT TURBIDITY WITH FILTRATION	18091	ENTRY POINT RESIDUAL DISINFECTANT CONC APPLICABLE TO ALL PLANTS	ENTEATION:
ANALYTE CODE	0100			ANALYTE CODE 0999	
ANALYTE CODE Number of hours			694.5		30
	ken every 4 hours of pla	nt operation? (Y/N)	Y		Ŷ
Number of sample		,	turnout		30
Highest single tur			0.13	Lowest single chlorine reading	1.45
For all filtration ex	cept slow sand filtration	;	B 200		20/40
	mples exceeded 0.1 NT	*****************	-	Was residual restored within 4 hours of plant operation	? (Y/N)
	mples exceeded 0.3 NT	U	-		0
	mples exceeded 1 NTU				
	slow sand filtration:			Number of samples under 0.5 mg/L	
				Trained of dampies and the trained	
	mples exceeded 1 NTU mples exceeded 5 NTU	***************************************	1	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
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Number of sal CHRORI APPLICABLE	mples exceeded 5 NTU NE DIOXIDE ENTRY POETO PLANTS UTILIZIN	CINI MONITORINO IG CHLORINE DIOXI		APPLICABLE TO PLANTS UTILIZING CHLORIN ANALYTE CODE	E DIOXIDE
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I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

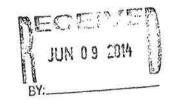
05-06-2014 Date

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800	1273	MONITORING PERIOD	(MMYYYY) 04/2014
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I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent 0.5 - 06-



### KENTUCKY DIVISION OF WATER

Revised 01/04/07

## **DRINKING WATER BRANCH** MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT DEP Form 4012Re	H & YEAR (mm/yyyy)	05/2014	Indicate one with "X"	X	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	Martin County Wate 2987  Crum Reservo		PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	3	Martin County Water District  DIST. CLASS: 2  06-05-2014  Martin
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3; DISTRIBUTION: THIS REF	••••	in er			CERTIFICATION NUMBER 17562 21944 21719  APPLICABLE FIELD OFFICE
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm):  2. TYPE OF FILTRATION USE		1,667 Dual Me			
DESIGN FILTRATION RATI     PERCENT BACKWASH WA     DATE FLOCCULATION BA	ATER USED:	2.66 0.8 #2 - 3/18/10 #	~#		
6. DATE SETTLING BASIN(S)	LAST CLEANED:			• X	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 06-03-2014

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

APPENDANTE (EVALUEDIANTE)

PWS ID : KY0800273
PLANT ID: A

PLANT ID: A

REPORT MONTH/YEAR: 05/2014

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	RAW WATER	HOURS PLANT	COAG		COAG	179.111-1-1	pH ADJU	STMENT	DISINFECTANT		DISINFECTANT	
v	TREATED GALLONS	OPERATED	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LBS	PPN
	1.903.000	23.0	214.8	13.5	0.0				419.9	26.5	169.2	10.
					1 227					30.4	162.2	10.
	1,887,000	23.0	214.8	13.7	0.0				478.1			
	1,821,000	22.0	205.5	13.5	0.0	=======================================			452.2	29.8	155,1	10.
	1,927,000	24.0	224.2	14.0	0.0				490.6	30.5	169.2	10.
	1,886,000	23.0	214.8	13.7	4.0	0.3			470.8	29.9	162.2	10.
	1,891,000	23.0	214.8	13.6	4.0	0,3			470.8	29.9	162.2	10.
ĸ.	1,981,000	24.0	224.2	13.6	4.2	0.3			490.4	29.7	169.2	10.
	1,920,000	24.0	224.2	14.0	4.2	0.3			491.4	30.7	169.2	10.
2	1,957,000	24.0	224.2	13.7	4.2	0.3			490.6	30.1	167.0	10.
	1,873,000	23.0	214.8	13.8	4.0	0.3		- S-11-10	466.2	29.8	162.2	10.
	1.860.000	23,0	214.8	13.8	4.0	0.3			461.0	29.7	167.4	10.
	1,865,000	23.0	214.8	13,8	4.0	0.3			470.8	30.3	179.8	11.
	1,842,000	22,0	214.8	14.0	3.9	0.3			472.8	30.8	186.5	12.
	1,936,000	23.5	219.5	13.6	4.1	0.3			478.0	29.6	197.2	12.
		23.0	257.7	16.5	4.0	0.3			501.4	32.1	200.8	12.
	1,872,000		316.9	20.3	4.0	0.3			524.2	33.6	204.2	13.
	1,871,000	23.0				0.3			524.2	33.6	204.2	13.
	1,869,000	23.0	316.9	20.3	4.0				540.1	34.9	204.2	13.
	1,858,000	23.0	316.9	20.5	4.0	0.3					(	- 10
	1,783,000	22.0	303.1	20.4	3.9	0.3			541.2	36,4	195.4	13.
	1,916,000	24.0	330.6	20.7	4.2	0.3			596.0	37,3	193.6	12.
	1,794,000	22.0	303.2	20.3	3.9	0.3			561.2	37.5	175.5	11.
	1,903,000	23.0	316.9	20.0	4.0	0.3	-		592.3	37.3	175,5	11.
	1,906,000	24.0	330.6	20.8	4,2	0.3			619.0	38.9	183.2	11.
	1,939,000	24.0	330.6	20.4	4.2	0.3	-		622.7	38.5	183.2	11.
	1,796,000	22.5	309.9	20.7	3.9	0.3			587.6	39.2	171.7	11.
	1,801,000	21,0	289.3	19.3	3.7	0.2			563.0	37.5	160.2	10.
	1,842,000	23.0	316.9	20.6	4.0	0.3			617.6	40.2	175.5	11.
L	1,836,000	23.5	323.8	21.1	4.1	0.3	<u> </u>		649.0	42.4	182.7	-11
	1,934,000	24.0	330.6	20.5	4.2	0.3			684.4	42.4	183.2	11
	1,874,000	23.0	316.9	20.3	4.0	0.3			663.3	42.4	175.5	11
	1,765,000	22.0	303.1	20.6	3.9	0.3			636.0	43.2	167.9	11
TAL	58,108,000		8354.1		108.8		0.0		16626.8		5515.1	
AGE	1,874,452		269.5	17.3	3,5	0.3	#DIV/01	#DIV/01	536.3	34.4	177.9	11

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

6. 3.1921(192-194)	ana mana

PWS ID :	KY0800273
PLANT ID:	Α

REPORT MONTH/YEAR: ______05/2014

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							MICAL S AGDE			00%(PC-10)				
	DISINFE	CTANT	FLUOI	RIDE	CARE	BON	pH ADJU Caus	tic	KMn	04	CORRO		H202	
.,	LBS	PPM	LB9	PPM	LBS	РРМ	LB8	PPM	LBS	РРМ	LBS	РРМ	LBS	PPM
	589.1	37.1	58.4	3.7			152.9	9.6					13.0	0.8
	640.3	40.7	58.4	3.7			188.6	12.0					13,0	0.8
	807.3	40.0	55.8	3.7			180.4	11.9					12.5	0.8
X	659.8	41,1	60.9	3.8			196.7	12.2					13,5	0.8
	633.0	40.2	58.4	3.7			188.6	12.0					12.5	0.8
N	633.0	40.1	58.4	3.7			188,6	12.0					16.0	1.0
	659.6	39.9	60.9	3.7			196.7	11,9					17.0	1.0
	660.6	41.3	60.9	3.8		1155-15	198.7	12.3					16.0	1.0
	657.6	40.3	60.9	3.7			196.7	12.1				- 444	13.5	0.8
	628.4	40.2	58.4	3.7			188.6	12.1					12.5	0.8
	628.4	40.5	58.4	3.8			188.6	12.2					13.5	0.9
	650.6	41.8	58.4	3.8			188.6	12,1					13,5	0.9
	659.3	42.9	55.8	3.6			180.4	11.7					12.0	0.8
	875.2	41.8	59.6	3.7			192.7	11.9					13.5	0.8
	702.2	45.0	58.4	3.7			188.6	12.1					12.5	0.8
	728.4	46.7	58.4	3.7			188.6	12.1					12.5	0.8
	728.4	46.7	58.4	3.7			188.6	12,1					13.5	0.9
	744.3	48.0	58.4	3.8			188.6	12.2					14.0	0.9
	736.6	49.5	55.8	3.8			232.1	15.6					13.0	0.9
	789.6	49.4	60.9	3.8			253,2	15.8					15.5	1.0
	738.7	49.2	55.8	3.7			232.1	15.5					14,0	0.9
KOT!	767.8	48.4	58.4	3.7			242.7	15.3					17.5	1,1
	802.2	50.5	80.9	3.8			253.2	15.9					15.5	1.0
	805.9	49.8	60.9	3.8			253.2	15.7					17.0	1,1
	759.3	50.7	57.1	3.8			237.4	15,8					15.5	1.0
	723.2	48.1	53.3	3.5			221.6	14.7					15.5	1,0
	793.1	51.6	58.4	3.8			242.7	15.8					17.0	1,1
	831.7	54.3	59.6	3.9			247.9	16.2					15.5	1.0
	867.6	53.8	60.9	3.8			253.2	15.7					17.5	1:1
	838.8	53.7	58.4	3.7			242.7	15.5					18.5	1,1
	803.9	54.6	55.8	3.8			232.1	15.8			111111111111111111111111111111111111111		16.0	1.1
TAL	22,141.9		1,813.4		0.0		6,523.1		0.0		0.0		450.5	
RAGE		45.7	58.5	3.7	#DIV/01	#DIV/01	210.4	13.5	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0!	14.5	0.8

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

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PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

05/2014

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ee a	Zenene"		PASTY VIII.					PRIMUNIUS OTHERWISE SPECIAL CHARGE				TURBIDITY (NTU)		
		рН		ALKA	TAL LINITY		TAL NESS	TOF	OF	PL	NT		ľ	
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
	6.62	6.66	7.08	15	19	33	28	0.75	0.69	1.92	1.89	14.90	0.23	0.05
	6.59	6.63	7.08	13	16	34	30	0.77	0.72	1.89	1.86	14.70	0.24	0.06
	6.53	6.60	7.08	12	15	35	31	0.79	0.75	1.93	1.90	15.00	0.22	0.05
,	6.49	6.60	7.07	12	15	33	29	0.84	0.78	1.96	1.92	15.00	0.23	0.06
	6.47	6.56	7.00	12	16	33	28	0.87	0.82	2.00	1.97	14.40	0.26	0.05
	6.50	6.67	7.06	12	14	35	30	0.77	0.72	1.91	1.86	13.80	0.27	0.06
	6.53	6.63	7.04	17	14	40	35	0.74	0.68	1,95	1.91	13.20	0.25	0.06
	6.54	6.57	6.97	18	15	40	35	0.73	0.64	1.90	1.86	12.80	0.24	0.08
	6.47	6.56	7.03	16	14	36	32	0.89	0.84	1.95	1.91	12.60	0.25	0.05
lu.	6.54	6.56	7.08	13	16	34	29	0.80	0.71	1.95	1.90	12.20	0.22	0.06
ĺj.	6.47	6.53	6.90	10	13	40	37	0.70	0.60	1.94	1.88	11.50	0.18	0.05
2	6.47	6.55	7.06	12	15	39	36	0.75	0.68	1.93	1.87	11.30	0.22	0.06
ķ,	6.50	6.56	6.99	13	16	35	30	0.69	0.63	1.93	1.89	10.80	0.21	0.06
	6.54	6.58	7.05	10	14	30	28	0.59	0.53	1.88	1.86	10.70	0.21	0.07
	6.53	6.56	7.07	11	15	36	33	0.67	0.60	1.97	1.93	19.50	0.17	0.05
	6,47	6.58	7.03	10	15	37	32	0.70	0.64	1.95	1.92	31.70	0.14	0.04
£	6.46	6.53	6.95	12	17	35	31	0.68	0.62	2.00	1.97	33.80	0.16	0.05
	6.45	6,49	6.69	15	20	34	29	0.66	0.59	1.98	1,94	40.70	0.14	0.05
	6.40	6.46	6.61	12	16	36	31	0.66	0.61	2.02	1.99	40.30	0.17	0.04
n)	6.43	6.50	6.95	12	16	33	29	0.82	0.76	2.05	2.02	41.60	0.14	0,05
5), ji	6.49	6.57	6.93	12	16	37	34	0.73	0.66	1.90	1.86	37.40	0.15	0.05
21.	6,62	6.56	6.95	22	17	35	27	0.72	0.65	1.94	1.92	36.20	0.15	0.05
θr.	6.46	6.56	7.01	20	17	33	27	0.74	0.69	1.92	1,87	35.80	0.15	0.05
برد	6.51	6.52	7.00	19	16	30	29	0.73	0.65	1.91	1.88	34.70	0.13	0.04
i.j	6.47	6.45	6.97	18	17	33	31	0.74	0.67	1.97	1.94	33.70	0.12	0.04
	6.43	6.58	6.93	18	16	34	30	0.69	0.64	1.87	1.84	34.90	0.18	0.05
7	6.51	6.49	6.97	11	16	36	31	0.69	0.64	1.85	1,80	33.30	0.17	0.05
6	6.45	6.51	6.93	11	20	44	38	0.63	0.70	1.88	1.84	33.90	0.19	0.06
	6.43	6.52	6.87	11	16	33	30	0.81	0.75	1.96	1.92	32.80	0.16	0.05
o .	6.42	6.56	6.97	16	18	33	28	0.89	0.82	1.95	1.91	33.00	0.21	0.05
	6.43	6.44	6.90	16	20	34	30	0.89	0.82	1.92	1.88	30.90	0.17	0.04
RAGE	6.5	6.6	7.0	14	16	35	31	0.75	0.69	1.94	1.90	24.75	0.19	0.05

## OPTIONAL INFORMATION: Surface Water, Plants Only

KENTUCKY DIVISION OF WATER

PLANT ID: A DRINKING WATER BRANCH AGENCY INTEREST: 2987 REPORT MONTH/YEAR: 05/2014 WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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PWS ID: KY0800273

	SEDIMENTATION BASIN EFFLUENT							RESULTS (NTO) INDIVIDUAL FILTER EFFLUENT							
RAW DAILY		SEDIM		BASIN EFF	LUENT			DAILY MAXIMUM							
MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMU	
14.90		0.26	0.25						0.06	0.05	0.05	0.06		0.06	
14.70		0.29	0.23						0.06	0.05	0.10	0.11		0.08	
15.00		0.31	0.24						0.05	0.05	0.06	0.06		0.05	
15.00		0.29	0.28	3A					0.07	0.07	0.05	0.06		0.07	
14.40		0.30	0.34						0.06	0.06	0.05	0.06		0.06	
13.30		0.28	0.38						0.06	0.05	0.10	0.10		0.08	
13.20		0.26	0.27						0.05	0.05	0.06	0.06		0.06	
12.80		0.33	0.29						0.08	0.08	0.06	0.06		0.07	
12.60		0.35	0.29						0.06	0.07	0.06	0.06		0.07	
12.20		0.24	0.29						0.06	0.06	0.10	0.11		0.08	
11.50		0.20	0.19			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			0.05	0.05	0.06	0.06		0.06	
11.30		0.27	0.28						0.08	0.08	0.05	0.06		0.07	
10.80		0.26	0.23						0.06	0.06	0.07	0.06		0.07	
10.70		0.28	0.25						0.06	0.06	0.10	0.09		0.08	
19.50		0.22	0.28						0.06	0.06	0.08	0.07		0.08	
31.70		0.21	0.17						0.05	0.05	0.05	0.05		0.06	
33.80		0.17	0.21						0.05	0.05	0.07	0.05		0.06	
40.70		0.15	0.27						0.05	0.05	0.07	0.07		0.06	
40.30		0.25	0.31						0.05	0.05	0.05	0.05		0.05	
41.60		0.17	0.19						0.05	0.05	0.05	0.05		0.06	
37.40		0.18	0.24						0.05	0.05	0.06	0.05		0.05	
36.20		0.29	0.17						0.07	0.07	0.07	0.07		0.08	
35.80		0.16	0.20						0.05	0.04	0.05	0.05		0.07	
34.70		0.16	0.16						0.06	0.06	0.05	0.05		0.06	
33.70		0.12	0.18						0.05	0.05	0.05	0.05		0.05	
34.90		0.20	0.37						0.05	0.05	0.07	0.07		0.07	
33.30		0.19	0.28						0,05	0.04	0.05	0.05		0.05	
33.90		0.27	0.35						0.06	0.06	0.05	0.05		0.07	
32.80		0.18	0.23						0.05	0.04	0.05	0.05		0.05	
33.00		0.21	0.34						0.05	0.05	0.06	0.06		0.06	
30.90		0.21	0.23						0.05	0.05	0.05	0.05		0.05	
24.7	#DIV/0!	0.2	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.06	0.06	0.06	0.06	#DIV/01	0.06	

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273 A

REPORT MONTH/YEAR:

05/2014

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PAGE *Please answer Y/N question below this chart. CONTRACTOR OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE THE PARTY. WATER MANGANESE Lowest Dally FLUORIDE Chlorine Residual TEMP. RAINFALL Plant Tap On-Line Chlorine DEGREES Analyzer Fº/Cº FREE / TOTAL INCHES TAP RAW TAP ΤΔΡ RAW TAP RAW DAY RAW 12.3 0.01 1.80 0.5 0.09 0.00 0.80 0.20 0.03 0.0 12.2 0.01 1.70 0.03 0.08 0.00 0.90 0.42 0.0 13.0 1.80 0.39 0.03 0.08 0.01 0.08 0.97 13.2 1.70 0.0 0.01 0.07 0.03 74. 0.10 0.93 0.38 1.85 0.0 13.3 0.01 0.99 0.38 0.03 0.09 0.08  $\mathcal{A}_{\mathcal{C}}$ 1.70 0.0 13.3 0.01 0.93 0.40 0.03 0.08 0.03  $E_{i}^{\prime}$ 13.9 0.0 0.01 1.85 0.03 0.08 0.19 1.06 0.29 0.0 13.5 1.80 0.01 1.05 0.29 0.03 0.10 0.26 14.5 1.75 0.0 0.01 0.99 0.34 0.03 0.08 0.14 13.5 1.75 0.1 0.01 1.02 0.36 0.03 0.08 10 0.11 13.5 1.80 0.5 0.01 0.24 0.03 0.08 0.90 0.06 0,0 14.2 1.65 0.01 0.33 0.03 0.09 40 0.06 0.86 15.0 0.0 0.03 80.0 0.01 1.80 0.33 0.12 1.00 14.2 1.3 1.50 1/2 0.01 0.67 0.27 0.03 0.16 0.13 14.5 1.80 0.3 0.01 115 0.97 0.30 0.03 0.17 0.11 15.5 0.1 1.60 0.03 0.15 0.01 0.93 0.73 16 0.00 0.1 15.5 1.80 0.00 0.82 0.88 0.03 0.18 0.01 ű. 15.7 0.0 1.70 0.01 0.03 0.18 0.00 0.84 0.95 100 0.0 15.8 1.75 1.01 0.03 0.19 0.01 161 0.98 0.00 過去ないとは、ははは少 15.8 0.0 1.75 0.00 0.87 1.00 0.03 0.19 0.01 20 15.6 1.70 0.0 0.01 0.03 0,19 44 0.00 0.98 1.02 0.8 15.5 1.80 0.01 0.00 0.69 0.70 0.03 0.20 ite 16.8 1.80 0.0 0.01 0.03 0.00 0.96 0.87 0.17 16.0 1.80 0.0 0.03 0.16 0.01 971 0.00 1.00 0.84 1.80 0.0 16.3 0.01 0.82 0.03 0.16 25 0.00 1.00 16.6 1.70 0.0 0.03 0.03 0.21 0.99 261 0.00 0.90 17.0 1.65 0.1 0.01 0.92 0.86 0.03 0.18 11 0.00 17.1 1.75 0.3 0.03 0.24 0.57 0.03 28 0.00 0.80 28 28 17.0 1.80 0.6 0.01 0.09 0.18 0.54 0.00 0.88 17.4 1.75 0.0 0.88 0.03 0.22 0.01 30 0.00 0.95 17.8 1.75 0.01 0.80 0.84 0.03 31 0.00 0.90 Monthly Minimum Rainfall 15.0 #DIV/01 0.03 0.16 0.01 #DIV/0! 0.92 0.59 0.05 AVERAGE 1.50

> 31 Number of readings For Free Chlorine, # less than 0.2 mg/L 0 For Chloramines, # less than 0.5 mg/L

4.75

Disinfectant Chloramines? (Y/N)

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## APPLICABLE TO ALL'PLANTS WITH ELL TRATION **

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 05/2014

PAGE 6

OF

11

	<b>在一个人</b>	705 X 15 X 10 X	MAN AND T		ALCONOMIC TO	is Elimetopeu	мон.			Mark Market	A STATE OF
	TOTAL	No:	3	No:	4	No:	5 160	No: AREA (square feet)	160	No: AREA (square feet)	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLONS	HRS	GALLON8	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS
157	0						J. J.				
2	31,000					15,000	89.40	16,000	89.40		
3	0							-			
A LEA	24,000	12,000	89.70	12,000	89.70						
6	0										
16/	31,000					16,000	91.10	15,000	91.10		
	0									050	
B.	28,000	14,000	93.70	14,000	93.70						C-17-17-17-17-17-17-17-17-17-17-17-17-17-
*****	. 0										
10	31,000		14-144			16,000	94.40	15,000	94.40		
	0										
12	30,000	15,000	92.30	15,000	92.30						
art3	0										
N. Paris	33,000					18,000	91.20	15,000	91.20		
16	0										
10	31,000	15,000	91.90	16,000	91.90						
	0										
10.0	31,000					16,000	92.00	15,000	92.00		
19	0										
20	31,000	16,000	90.80	15,000	90.80						
21									-		
22	32,000					16,000	90.90	16,000	90.90		
28	27,000	12,000	89.70	15,000	89.70						
	0								-		-
6	0								-		-
26	30,000					15,000	92.50	15,000	92.50		
1270.00	0										
28	28,000	14,000	94.80	14,000	94.80						
29.5	0										
30	32,000					16,000	92.40	16,000	92.40		-
31	32,000	16,000	89.50	16,000	89.50			ļ			
TOTAL	482,000	114,000	732.40	117,000	732.40	128,000	733.90	123,000	733.90	0	0.00
AVERAGE	16,067	14,250	91.550	14,625	91.550	16,000	91.738	15,375	91.738	#DIV/0I	#DIV/0!

**COPY AS NEEDED** 

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

The wind which is

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 05/2014

PAGE

	CHEM	AICALS ADDED						ESULTS			
	CHLORINE	CHLORINE		110	RTH	TOTAL	(T) AND FREE (F) (	WEST			
,	BOOSTER LBS	LBS		T	F	T	F	Т	ST F	Ţ	E
			1000	1.30	1.24	1.63	1.58	1,47	1.45	1.28	1.23
				1.55	1,53	1,44	1.43	1.12	1.06	1.33	1.29
				1.46	1.44	1.72	1.71	1.50	1.49	1.46	1.44
		iii ir	Live 11	1,48	1,47	1.67	1.64	1.50	1.46	1.69	1.67
			100	1.45	1,41	1.62	1.56	1.41	1.34	1.78	1,76
				1.36	1.33	1.53	1,51	1,57	1.56	1.54	1.52
				1.44	1.38	1.26	1.20	1.23	1.21	0.85	0.80
081				0.97	0.89	1.22	1,13	1,58	1.53	1.61	1.57
			The same	1.35	1.26	0.79	0.72	0,81	0.76	1.61	1,55
1100				1.41	1.40	1.60	1.54	1.61	1.58	1.63	1.60
				1.18	1.12	1.62	1.58	1.63	1,56	1.69	1,62
				1.19	1.17	1,40	1.34	1.32	1.20	1,44	1.41
				1.62	1.57	1.75	1.68	1.69	1.63	1,71	1.64
				1.55	1.54	1,31	1.27	1.47	1.42	1.32	1.32
				1.42	1.37	1.03	0.97	0.99	0.94	1,40	1.35
				1.56	1.52	1.61	1,57	1.66	1.63	0.92	0.88
17.17				1.49	1.46	1.42	1.40	1.66	1.64	1.72	1.68
				1,61	1.57	1.24	1.18	1.49	1.46	1,64	1.58
				1.03	0.99	1.58	1.51	1.40	1.39	1.28	1.25
321				1.65	1,62	1.58	1.56	1,80	1.72	0.52	0.45
				1.37	1.32	1.57	1.50	1.03	1.00	1.54	1.50
				1.19	1.12	1.15	1.11	1.29	1.27	1,55	1.54
				1.56	1.52	1.33	1.28	1.73	1.68	1.57	1.54
				1.44	1,42	1.57	1.53	1.58	1.54	1,50	1.46
				1.44	1.39	1.15	1.12	1.62	1.59	1.43	1.41
				1.56	1.50	1,36	1.32	1.14	1.12	1.63	1.60
				1.51	1.48	1.44	1.42	1.39	1,37	1.06	1.02
				1.21	1.17	1.47	1.42	1.36	1.34	1.70	1.69
				1.39	1.35	1,25	1.22	0,78	0.70	1,57	1.58
			NO.	1.71	1.64	0.75	0.73	1.79	1.75	1:73	1.68
掘			1	1.26	1.23	1.29	1.26	1.62	1.58	1.53	1.52
GE	#DIV/0I	#DIV/0!	Average	1.41	1,37	1.40	1.35	1.43	1.39	1.46	1.42
	0.0	0.0	Total Minimum	0.97		0.75		0.78		0.52	
1	7.0	4	Free		0.89		0.72		0.70		0.45

Disinfectant Chloramines? (Y/N) Number of days of operation? 31

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

**PLANT ID:** Α **TURBIDITY REPORT** PAGE: A AND DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE 05/2014 Report Period (MM/YYYY): 8 OF <u>11</u> PWS Name: Martin County Water District . Lidaulia empty tracked the rank that the control tem described them can Court with chang objects 0.05 0.060 0.06 0.05 0.05 0.05 0.05 23.0 6 0.080 0.05 0.05 0.05 6 0.05 0.08 0.06 23.0 0.05 0.050 0.05 0.05 0.05 0.05 22.0 6 0.05 0.070 0.05 0.06 0.07 0.06 0.05 24.0 6 0.06 0.060 0.05 0.05 0.06 0.06 0.06 23.0 6 0.06 0.082 0.06 0.06 0.06 0.06 0.08 0.07 6 23.0 0.06 0.064 0.05 0.06 0.06 24.0 6 0.06 0.06 0.070 0.06 0.06 0.06 0.06 24.0 6 0.06 0.07 0.07 0.06 0.070 0.06 0.06 0.06 0.06 24.0 6 0.080 0.06 0.07 0.07 0.06 6 0.08 23.0 0.06 10 0.05 0.06 0.060 0.05 0.06 0.06 Ya. 23.0 6 0.06 0.06 0.06 0.072 0.07 0.06 0.06 23.0 6 0.06 P3 0.07 0.070 0.06 0.06 0.05 0.06 0.06 6 22.0 0.06 0.07 0.082 0.08 0.06 6 0.07 0.08 23.5 0.080 0.05 0.05 23.0 6 0.08 0.07 0.06 0.05 0.060 0.06 0.05 0.05 0.05 0.05 23.0 6 0.05 'nò 0.05 0.05 0.060 0.06 0.05 0.05 0.06 6 30 23.0 0.060 0.05 0.05 0.05 6 0.06 0.06 0.05 16 23.0 0.05 0.050 0.05 0.05 0.05 6 0.05 0.05 22.0 34 0.060 0.05 0.05 0.05 0.06 0.05 0.05 6 10 24.0 0.05 0.053 0.05 0.05 0.05 0.05 22.0 6 0.05 0.05 0.080 0.05 0.06 0.06 0.08 0.06 23.0 6 0.073 0.05 0.070.06 0.06 6. 0.05 6 0.05 24.0 0.05 0.060 0.06 0.05 q0.06 0.05 6 0.06 24.0 0.050 0.05 0.05 0.05 0.05 0.05 6 0.05 22.5  $\lambda L_{\rm b}$ 0.072 0.06 0.05 0.05 0.06 21.0 6 0.05 0.07 0.05 0.053 0.05 0.05 0.05 0.05 0.05 23.0 6 0.05 0.070 0.07 0.06 力 6 0.05 0.05 0.05 23.5 0.050 0.05 0.05 0.05 0.05 0.05 6 0.05 24.0 0.05 0.060 0.05 0.05 0.06 0.06 30 0.05 23.0 6 0.05 0.050 0.05 0.05 0.05 22.0 6 0.05 0.05 0.082 186 TOTAL # OF TURBIDITY SAMPLES TAKEN 186 714.5 Total ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) (Any type of filtration besides slow sand) 1 NTU 0.3 NTU 0 0.1 NTU Number of samples exceeding ----> 5 NTU 1 NTU For slow sand filtration, the number of samples exceeding ---> *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number. I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

Signature of Principal Executive Officer or Authorized Agent

Date 06-03-2013

PWS ID:

KY0800273

(also listed on the Summary Sheet ), complete the following and submit		AND PROPERTY AP	PLICABLE TO ALL	ORFACE WATER P	LANTS WITH FILE	RATION TELESCOPE	[1] [5] [4] [5] [5]	
PWS ID: KY0800273  PLANT ID: A  Report Period (MM/YYYY): 05/2014  If any filter exceeded any one of the individual filter turbidity triggers below,  (also listed on the Summary Sheet ), complete the following and submit the appropriate report(s).  PAGE 9 OF 11	INDIVIDUAL FILTI	ER TURBIDITY EX	CEEDANCE REP	ORT				
PLANT ID:  A Report Period (MM/YYYY):  05/2014  If any filter exceeded any one of the individual filter turbidity triggers below, (also listed on the Summary Sheet ), complete the following and submit the appropriate report(s).  PAGE 9 OF 11	PWS Name:	Martin County Water District						
Report Period (MM/YYYY):  05/2014  If any filter exceeded any one of the individual filter turbidity triggers below, (also listed on the Summary Sheet ), complete the following and submit the appropriate report(s).  PAGE 9 OF 11	PWS ID:							
If any filter exceeded any one of the individual filter turbidity triggers below, (also listed on the Summary Sheet ), complete the following and submit  PAGE 9 OF 11								
(also listed on the Summary Sheet ), complete the following and submit  PAGE 9 OF 11  PAGE 9 OF 11	Report Period (MM/YYY	Y): 05/2014						
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Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

Report Required:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no For Trigger A.:

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no For Trigger B.:

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the For Trigger C.:

exceedance

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation For Trigger D.:

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

#### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY) 05/20	14
_		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS A	RE PRE-
	<b>以</b> 公司在公 <b>知</b> 教证书		NTINE	POPULATED FOR YOU!!! ORMATION AND ADDRESS OF THE POPULATION AND AD	
PLANT ID A		APPLIC		O ALL PLANTS	
PLANT ID A	Martin County W	ater District		TAL WATER TREATED (gallons)       58,108,000         E. DAILY PRODUCTION (gallons)       1,874,452	
AGENCY INTERE			•	XIMUM PUMPAGE (gallons per day) 1,981,000	= .
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ANALYTE CODE	0100				
1	onitored continuously? (Y.				Y
	ints recorded every 15 mli e of the continuous monit		//N)		N
				ted every four hours of operation? (Y/N)	
(2) wa	s the continuously monito	ring equipment repai	ired with	in 5 working days? (Y/N)	
	er level greater than 1.0 N				N
				urements after on line for more than four hours? (Y/N) urements in three consecutive months? (Y/N)	N
				urements in two consecutive months? (Y/N)	N
1	-			dity Sheet and submit with the MOR	man: men
	SINTO SILTER EFFLUEN BLE TO ALL PLANTS V			APPLICABLE TO ALL PLANTS	ATION -
Number of sample Highest single turk For all filtration ex- Number of san Number of san Number of san When filtration is s	en every 4 hours of plant es taken	operation? (Y/N)	714.5 Y 186 0.08 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Y/N) Number of lowest chlorine samples recorded Lowest single chlorine reading If less than required: Was residual restored within 4 hours of plant operation? (Y/N Free Chlorine (for all disinfectants except chloromine): Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chloramine): Number of samples under 0.5 mg/L	31
	NE DIOXIDE ENTRY POI TO PLANTS UTILIZING			APPLICABLE TO PLANTS UTILIZING CHLORINE DIO	
ANALYTE CODE	1008			ANALYTE CODE 1009	
Number of days of		0.040	31	Number of days of plant operation	31
Were samples take Number of sample	ken each day of operation es taken	7 (Y/N)		Were samples taken each day of operation? (Y/N) Number of samples taken	. 님
1	orine dioxide reading		0.00	Highest single chlorite reading	0.00
	e dioxide samples exceed	ded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L	0

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penallies for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent 06-03-2014

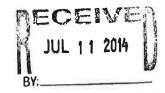
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIO	OD (MMYYYY) 05/	2014					
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ANALYTE CODE	0999										
Number of days of	operation	31	1_	Free Chlorine (for all disinfectar	nts except chloramine)						
	en each day of opera		_	Number of samples under 0	.2 mg/L	. 0					
Number of sample		and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		Total Chlorine (when disinfectar	nt is chloramine)						
FREE		124		Number of samples under 0							
TOTAL		404	<u> </u>								
Lowest single FRE	E chlorine reading	0.45	5								
Lowest single TOT	AL chlorine reading	0.52	2								

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Printcipal Executive Officer or Authorized Agent

06-03-2014 Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

#### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI DEP Form 4012Re	Н & YEAR (mm/yyyy) [ vised 07/2006	06/2014	Indicate one with "X"	X	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME:	KY0800273  Martin County V	PLANT ID: A	PLANT CLASS:	3	DIST. CLASS: 2
AGENCY INTEREST (AI): SOURCE NAME:	2987 Crum Rese		DATE MAILED: COUNTY:	9	07-08-2014 Martin
WTP SHIFT 1:	OPERATOR(S) RESPONS	BIBLE / IN-CHARGE	CLASS 1V-A		CERTIFICATION NUMBER 17562
WTP SHIFT 2:	Michael Sa	ertin	1V-A	•n o	21944
WTP SHIFT 3: DISTRIBUTION:	Jerry L Belo		1V-A	28 8 <del>2</del> 8 8	21719
THIS REP		ED BY THE DIVISION IAN 10 DAYS AFTE			PPLICABLE FIELD OFFICE MONTH.
TREATMENT PLANTS	COMPLETE:	. 7240			
DESIGN CAPACITY (gpm):		1,66		-	
2. TYPE OF FILTRATION USE		Dual M 2.66		-	
3. DESIGN FILTRATION RATE		0.8		-91	
4. PERCENT BACKWASH WA  6. DATE FLOCCULATION BAS		#2 - 3/18/10		•	
6. DATE SETTLING BASIN(S)	LAST CLEANED:			•	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

07-08-2014 DATE



A PRICABLE TO ALL PLANTS AND ARE

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 06/2014

PAGE 1 OF 11

	RAW WATER	HOURS		ULANT	COAG		DLCA Hq	STMENT	DISINFEC	CTANT	DISINFE	CTANT
1	TREATED	PLANT OPERATED					Pi	re e	Pre		Pot	st
DAY	GALLON9		LBS	PPM	LB8	PPM	LB8	PPM	LBS	PPM	LB8	PPM
	1,854,000	23.0	316.8	20.5	4.0	0.3			663.3	42.9	175.5	11.4
V _Z	1,850,000	23.0	316.8	20.5	4.0	0.3			657.4	42.6	175.5	11.4
3	1,673,000	20.5	282.4	20.2	3.6	0.3			595.3	42,7	156.4	11.2
	1,792,000	23.5	323.7	21.7	4.1	0.3			677.1	45.3	179,3	12.0
	1,680,000	21.0	289.3	20.6	3.7	0.3			611,1	43.6	160.2	11.4
	1,563,000	21.5	215.7	16.5	3.8	0.3		19	622.0	47.7	164.0	12.6
	1,495,000	22.0	220.7	17.7	3.9	0.3			604.2	48.5	178.4	14.3
187	1,631,000	24.0	240.8	17.7	4.2	0.3			708.1	52,1	183.2	13,5
0	1,855,000	24.0	330,6	21.4	4.2	0.3			749.8	48.5	191.5	12,4
	1,706,000	24.0	330.6	23.2	4.2	0.3			775.4	54.5	179.5	12.6
	1,588,000	22.0	303.2	22.9	3.9	0.3			701.2	52.9	149.0	11.3
10 March 1	1,829,000	24.0	330.6	21.7	4.2	0.3			802.0	52.6	159.8	10.5
	1,843,000	24.0	330.6	21.5	4.2	0.3			813.5	52.9	161.2	10,5
11.	1,880,000	24.0	330,6	21.1	4.2	0.3			827.0	52.7	129.4	8.3
18.0	1,870,000	24.0	330.6	21.2	4.2	0,3			818.4	52.5	123.9	7.9
10.00	1,913,000	24.0	330.6	20.7	4,2	0.3			809.8	50.8	129.4	8.1
117	1,854,000	23.5	323.8	20.9	4.1	0.3			803,0	51.9	107.9	7.0
10	1,906,000	24.0	330.6	20.8	4.2	0.3			827.0	52.0	103.0	6.5
	1,855,000	24.0	330.6	21.4	4.2	0.3			853.0	55.1	145.5	9.4
20	1,818,000	23.0	316.8	20.9	4.0	0.3			819.2	54.0	151.9	10.0
	1,884,000	24.0	330.6	21.0	4.2	0.3			851.2	54.2	159.8	10.2
122	1,887,000	24.0	330.6	21.0	4.2	0.3			854.2	54.3	146.6	9.3
28)	1,854,000	23.5	330.6	21.4	4.2	0,3			819.4	53.0	164.8	10.7
SUPPLE ST	1,856,000	24.0	330.6	21.4	4.2	0.3			863.4	55.8	168.1	10.9
238	1,795,000	24.0	330.6	22.1	4.2	0.3			846.0	56.5	176.4	11.8
26	1,825,000	24.0	330.6	21.7	4.2	0.3			866.0	56.9	170,5	11.2
	1,731,000	23.0	316.8	21.9	4.0	0.3			842.1	58.3	196.8	13,6
28	1,797,000	24.0	330.6	22.1	4.2	0.3			870.3	58.1	213.1	14.2
20	1,484,000	20.0	275.5	22.3	3.5	0.3			734.7	59,4	177.6	14.3
30	1,795,000	24.0	330.6	22.1	4.2	0.3			914.2	61.1	222.8	14.9
5 3 TW							1					
TOTAL	53,363,000		9362.5		122.2		0,0		23199.3	50.4	4901.0	44.4
AVERAGE	1,778,767		312.1	21.0	4.1	0.3	#DIV/0!	#DIV/0!	773.3	52.1	163.4	11.1

1,913,000

4.0

936.7

AVERAGE

63.2

58.9

102.0

6.8

245.4

16.6

22.5



PWS ID : KY0800273

PLANT ID: A

1.3

19.3

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1,5

#DIV/01

REPORT MONTH/YEAR: 05/2014

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APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: _____06/2014

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	HARRIO SPA	рН			TAL	TO	TAL INESS	TOP	CHLORINE	RESIDUAL PL/			TURBIDITY (	
	9	TOP OF	1					FIL	TER	T/	AP .		SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
16	6.38	6.42	6.95	11	16	35	34	0.83	0.75	2.03	1.98	27.80	0.21	0.05
-24	6.40	6.42	6.90	15	17	34	31	0.81	0.74	1.85	1.80	25.10	0.27	0.04
	6.41	6.53	6.97	24	21	34	30	0.80	0.74	1.88	1.83	23.80	0.41	0.07
120	6.43	6.50	6.86	13	16	35	32	0.72	0.64	1.89	1.84	22.40	0.21	0.05
P. Carlot	6.42	6.48	6.94	17	17	37	34	0.67	0.59	1.82	1.75	21.40	0.24	0.06
6/0	6.39	6.51	6.97	19	24	32	28	0.76	0.70	1.89	1.85	20.30	0.25	0.05
7	6.41	6.48	7.10	17	21	35	31	0.69	0.60	2.02	1,97	19.10	0.21	0.06
	6.40	6.49	7.17	16	20	37	32	0.85	0.79	2.05	2.00	18.20	0.22	0.05
1000	6.41	6,58	6.97	16	20	36	31	0.79	0.72	1.93	1.88	18.40	0.26	0.06
10	6.42	6.48	7.03	16	25	33	31	0.91	0.84	1.90	1.86	17,30	0.25	0.06
	6.41	6.50	7.03	20	20	34	31	0.96	0.87	1,89	1.83	17.90	0.19	0.06
	6.44	6.54	701.00	15	22	30	28	0.98	0.90	1.86	1,78	17.10	0.20	0.05
	6.39	6.52	6.91	15	21	35	31	1.13	1.08	1.95	1.90	18.00	0.23	0.05
, e	6.40	6.44	6.92	16	19	42	40	1.33	1.24	2.10	2.04	17.90	0.19	0.05
n.	6.40	6.44	6.89	17	20	43	39	1.33	1.23	2.07	2.00	17.10	0.22	0.06
di	6.31	6.44	6.80	15	20	35	31	1.24	1.15	2.07	2.02	16.20	0.19	0.06
	6.40	6.51	6.96	18	22	41	35	1.15	1.06	1.88	1.82	16.00	0.20	0.06
	6.37	6.53	6.83	15	20	38	35	0.97	0.90	1.83	1.77	15.10	0.19	0.06
	6.42	6.50	6.84	15	21	28	25	0.85	0.78	1.87	1.81	13.50	0.19	0.05
2014	6.43	6.48	6.86	18	21	37	34	0.88	0.80	1.89	1.84	13.30	0.18	0.05
	6.35	6.42	6.90	20	22	35	31	1.08	1.00	2.00	1.94	12.80	0.14	0.06
	6.34	6.42	6.84	21	24	36	33	0.99	0.90	1.98	1.90	12.20	0.14	0.05
23 m	6.44	6.65	7.07	24	27	38	34	0.91	0.83	1.88	1.84	12.90	0.18	0.06
y .	6.58	6.70	7.06	26	30	41	36	0.78	0.70	1.85	1.81	11.90	0.21	0.06
25	6.58	6.71	7.06	28	33	45	42	0.67	0.57	1.82	1.78	11.60	0.15	0.06
	6.68	6.77	7.06	34	33	51	47	0.68	0.59	1.91	1.82	10.40	0.16	0.06
<b>要</b> 数数	6.73	6.81	7.17	42	40	53	49	0.63	0.55	1.86	1.79	10.10	0.17	0.06
	6.74	6.78	7.17	43	47	55	50	0.59	0.51	1.87	1.80	9.42	0.13	0.05
100 S	6.76	6.84	7.22	43	48	58	53	0.52	0.43	1.83	1.75	8.78	0.15	0.05
	6.92	6.96	7.35	55	61	65	61	0.49	0.56	1.92	1.97	8.10	0.17	0.06
3	5.02	5,00		- 35										
AVERAGE	6.5	6.6	30.1	22	26	40	36	0.87	0.79	1.92	1.87	16.14	0.20	0.08

### OPTIONAL INFORMATION Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PLANT ID: A
AGENCY INTEREST: 2987 REPORT MONTH/YEAR: 06/2014

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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	all the second				WAS IV	War Can	ALYTICAL	RESULTS (	ITU) 被警			(A)S) (1867			Mary 1
	RAW		SEDIM		BASIN EFFL	LUENT					L FILTER E				CFE DAILY
DAY	MAXIMUM	#1	#2	#3	HAXIMUM #4	#6	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
	27.80		0.27	0.27						0.08	0.08	0.04	0.05		0.07
	25.10		0.49	0.36						0.05	0.05	0.04	0.05		0.05
	23.80		0.64	0.89						0.06	0.06	0.12	0.12	11000000	0.05
	22.40		0.22	0.31						0.06	0.06	0.05	0.05		0.06
	21.40		0.45	0.28						0.06	0.06	0.05	0.05		0.06
6	20.30		0.26	0.38						0.05	0.05	0.05	0.05		0.06
7	19.10		0.29	0.25						0.06	0.05	0.10	0.10		0.09
	18.20		0.26	0.38						0.05	0.05	0.06	0.06		0.07
9	18.40		0.37	0.40						0.07	0.07	0.08	0.06		0.08
10	17.30		0.25	0.64						0.06	0.07	0.09	0.06		0.07
14 J	17.90		0.25	0.21						0.05	0.05	0.07	0.07		0.06
12.0	17.10		0.32	0.28						0.05	0.05	0.06	0.05		0.06
	18.00		0.34	0.34			A-1			0.06	0.06	0.06	0.05		0.07
T. HU	17.90		0.24	0.24						0.05	0.05	0.06	0.05		0.06
46.0	17.10		0.25	0.25						0.05	0.05	0.08	0.07		0.07
	16.20		0.22	0.24	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					0.05	0.05	0.07	0.05		0.06
467	16.00		0.26	0.25						0.06	0.06	0.07	0.05		0.07
40	15.10		0.21	0.28						0.05	0.05	0.08	0.05		0.07
	13.50		0.20	0.42						0.05	0.05	0.08	0.07		0.08
7 20	13.30		0.19	0.23						0.07	0.08	0.06	0.06		0.08
24	12.80		0.21	0.19						0.07	0.08	0.07	0.05		0.08
i de	12.20		0.17	0.16						0.06	0.06	0.06	0.06		0.07
	12.90		0.24	0.19						0.07	0.07	0.08	0.08		0.08
70	11.90		0.23	0.28						0.08	0.07	0.10	0.09		0.10
	11.60		0.16	0.22						0.07	0.07	0.06	0.06		0.08
218	10.40		0.20	0.23						0.06	0.06	0.06	0.06		0.07
1217	W I		0.17	0.30						0.06	0.06	0.10	0.09		0.09
1428	9.42		0.13	0.19						0.06	0.06	0.06	0.06		0.07
	8.78		0.22	0.17						0.07	0.07	0.07	0.06		0.08
£10x	8.10		0.19	0.28						0.06	0.06	0.06	0.07		0.07
AVERAG	16.1	#DIV/01	0.3	0	#DN//01	#DIV//01	#DIV//01	#DIV//01	#DIV/0!	0.06	0.06	0.07	0.06	#DIV/0!	0.07

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

A O.C. & APPLICABLE TO ALL PLANTS

PWSID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 06/2014

	*Please answer Y/N que	stion below this chart.			PAGE	5	OF	11	_
1	<b>南州成城的</b> 异次层 5分	ANALYTICAL R	ESULTS (mg/L OR PPM UNL	ESS OTHERWISE SPECIFIED	OF TOTAL CONTRACT	7(0)		THE PARTY OF	ē
	FLUORIDE	IRON	MANGANESE		Lowest Daily	A		WATER	
		1	11		Chlorine Residual	93			

Alvino re							LESS OTHERW	ISE SPECIFIE	<b>)</b> )			MONTH.
	FLUO	RIDE	IR	ON	MAI	NGANESE		v	Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer		RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL		INCHES	Fº/Cº
	0.00	0.93	0.57	0.03	0.22	0.01			1.80	表	0.0	17.3
12	0.00	0.90	0.72	0.03	0.22	0.01			1.75		0.0	17.8
37.4	0.08	0.87	0.75	0.03	0.23	0.01			1.50	17.5	0.0	18.8
198	0.00	0.99	0.45	0.03	0.23	0.01			1.75		1.2	17.9
5	0.00	1.01	0.43	0.03	0.23	0.01			1.75		0.6	18.2
<b>6</b>	0.00	0.88	0.66	0.03	0.25	0.01			1.75	器2	0.0	18.1
	0.00	0.85	0.66	0.03	0.26	0.01			1.55	3	0.0	18.1
8.42	0.00	1.00	0.77	0.03	0.27	0.01			1.90		0.0	18.4
9	0.00	1.05	0.67	0.03	0.29	0.01			1.70		0.0	18.1
10	0.02	0.85	0.63	0.03	0.27	0.01			1.90	1	0.0	18.4
	0.00	0.88	0.61	0.03	0.29	0.01			1.65		0.3	18.2
112,	0.01	0.81	0.53	0.03	0.30	0.01			1.80	藤湯	0.3	18.7
13.14	0.00	0.82	0,69	0.03	0.38	0.01			1.80	1	0.1	18.5
įχι	0.00	1.00	0.56	0.03	0.43	0.01			1.85	を構	0.1	18.1
	0.00	0.98	0.58	0.03	0.46	0.01			1.85		0.0	18.3
16	0.06	1.00	0.53	0.03	0.43	0.01			1.95	100	0.0	18.8
100	0.07	0.99	0.62	0.03	0.46	0.01			1.75	188	0.0	19.0
an .	0.00	0.46	0.70	0.03	0.27	0.01			1,70	111	0.0	19.6
(8	0.14	0.86	0.61	0.03	0.52	0.01			1.75	1	0.0	19.7
20.	0.09	0.92	0.68	0.03	0.56	0.01			1.75		0.1	19.9
21	0.05	1.02	0.64	0.03	0.61	0.01			1.70	T.	0.4	20.1
22	0.06	1.02	0.66	0.03	0.62	0.01			1.75		0.0	20.5
213	0.04	0.99	0.83	0.03	0.64	0.01			1.70		0.0	20.9
247.5	0.05	0.91	0.79	0.03	0.65	0.01			1.70	· ·	0.1	21.3
25	0.05	1.01	0.78	0.03	0.80	0.01			1.70	湿	0.0	21.8
(20)	80.0	0.83	0.71	0.03	0.66	0.01			1.80	1	0.2	22.0
24	0.05	0.96	0.73	0.03	0.74	0.01			1.70	1	0.0	22.6
(28)	0.09	0.98	0.58	0.03	0.72	0.01			1.75		0.0	23.0
<b>2</b> 9	0.13	1.07	0.58	0.03	0.75	0.01			1.70	· · · · · · · · · · · · · · · · · · ·	0.4	23.1
<b>第30</b> 個	0.07	1.04	0.55	0.03	0.75	0.01			1.75	選	0.3	23.7
31											THE REAL PROPERTY.	
AVERAGE	0.04	0.93	0.64	0.03	0.45	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	-	l otal Rainfall	19.6
							ingrativation	omitiv	d	W.	<b>电极性</b>	
							IV	of readings	30	113	4.01	

For Free Chlorine, # less than 0.2 mg/L For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 06/2014

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				(特别知道) (1000)		FILTEROPER	CHON ::	100 15 Mg 13 AS 184 1	We will	<b>预</b> 选约 / 资	
- 1	TOTAL	No:	3	No:	4	No:	- 5	No:	6	No:	
	WASH WATER	AREA (square feet)	160	AREA (square feet)	180 FILT RUN	AREA (equare feet)	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILTRUN
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	HR8	WASHWATER GALLONS	HR8	GALLONS	HRS	GALLONS	HRS
1	0										
2	0										
3	31,000					16,000	90.20	15,000	90.20		
12	32,000	16,000	86.60	16,000	86.60				1111		
76	0										
18	0										
7	34,000					17,000	84.50	17,000	84.50		
8	0										
9	26,000	13,000	91.20	13,000	91.20	7711111					
10	0										
11	31,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				16,000	92.70	150,000	92.70		
12	0									THE LOOP A	
137	30,000	15,000	92.80	15,000	92.80					10.71	
, je -	0										-
16	31,000					16,000	93.70	15,000	93.70		-
16	0										-
W L	26,000	13,000	94.80	13,000	94.80						ļ
18 1	0										
0.0	28,000					14,000	94.90	14,000	94.90		
20	24,000	12,000	91.70	12,000	91.70						-
	0										-
22	0								-		-
25.	30,000					15,000	93.50	15,000	93.50		-
1,4	0										-
26	28,000	14,000	98.70	14,000	98.70				-		<del> </del>
26	0	<u> </u>	-				<u> </u>				
26 -4	31,000	-				16,000	95.10	15,000	95.10		1
28	0										<del> </del>
7./29	28,000	14,000	93.30	14,000	93.30						
30.26	0				-					11111	-
31	0							-			-
TOTAL	410,000	97,000	649.10	97,000	649.10	110,000	644.60		644.60	00	0.00
AVERAGE	13,226	13,857	92.729	13,857 COPY AS NE	92.729	15,714	92.086	34,429	92.086	#DIV/0!	#DIV/0

COPY AS NEEDED

ACLIVATER SYSTEMS

PWS ID: KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: 06/2014

PAGE

		CHEMICALS ADDED TEST RESULTS  CHLORINE TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm)										
	CHLORINE BOOSTER	BOOSTER	1 3	NC	RTH		JTH	EA:		WEST		
¥Υ	LBS	LB6		Ţ	,	T	F	T	F	T	F	
				1.69	1,81	1.31	1.26	1.61	1.56	1.47	1.41	
			456	0.71	0.68	1.41	1.35	1.43	1:41	1.71	1.68	
				1,45	1,39	0.39	0.31	1.37	1,35	1.48	1.42	
				1.41	1.35	1.43	1.39	1.55	1.52	1.48	1.40	
				1.30	1.27	1.31	1.26	1.37	1,32	0.48	0.42	
		11.0 019		1.03	0.94	1.14	1.08	1.14	1.03	1.22	1,20	
				1.24	1,19	1.28	1,21	1.16	1.10	1.11	1.06	
				1,57	1,51	1.31	1.26	1.56	1.47	1.59	1.50	
				0.35	0.30	1.68	1.68	1.52	1.47	1.44	1,40	
				0.52	0.44	0.58	0.53	1.39	1.37	0.84	0.76	
				1.40	1,34	0.49	0.46	1.17	1.15	1,51	1.48	
靈				1.42	1.38	1.40	1,38	1.47	1.48	1,39	1.36	
				1.36	1.30	1.51	1.48	1,12	1.07	1,45	1.39	
				1.35	1.28	0.67	0.62	1.19	1.15	1.44	1.39	
				1.18	1.12	1.73	1.65	1.59	1.55	1.61	1.54	
				1.60	1.56	1.53	1.46	1.34	1.30	0.75	0.87	
				1.32	1.28	1.48	1.41	1.41	1.38	1.30	1,23	
1				1.44	1.36	1.40	1.38	1.26	1.21	0.80	0.70	
				0.53	0.47	1.47	1,46	1.18	1.16	1,33	1.27	
			A CALL	1.12	1.06	1.14	1.04	1.09	1.06	1.39	1,33	
				1.28	1.21	1.38	1,29	1.05	1.04	1.00	0.99	
				0.95	0.83	1.33	1.29	1.22	1.18	1.53	1.43	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s				0.88	0.79	1,34	1.32	0.91	0.89	1.20	1.18	
				0.91	0.86	0.84	0.75	0.77	0.70	1.22	1.14	
			調整物	1.35	1.29	1,37	1.34	0.70	0.66	0.68	0.64	
				1.08	1.01	0.51	0.47	1.30	1.29	1.31	1.26	
N			la lora	1.04	0.97	1.01	0.89	1.00	0.98	1.17	1.15	
				1.02	0.93	1.09	1.03	1.24	1.18	1.00	0.88	
				1.01	0.93	1.26	1.20	1.15	1.10	1.33	1.26	
			CONTRACTOR AND ADDRESS OF THE PARTY.	0.78	0.83	1.07	1.08	1.07	1.16	1.24	1.28	
76.3												
<b>IGE</b>	#D(V/0)	#DIV/0I	Average	1.14	1.08	1.20	1.14	1.24	1.21	1.25	1.19	
	0.0	0.0	Total Minimum	0.35		0.39		0.70		0.48		
		***	Free Minimum		0.30		0.31		0.66		0.42	

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Officer or Authorized Agent

PWS ID: KY0800273 PLANT ID: Α TURBIDITY REPORT APPERIOASI ER O/A/R BIZANSS WITCHER RATION Report Period (MM/YYYY): PAGE: 06/2014 8 OF 11 Martin County Water District PWS Name: Noon 4 pm 96 Ou Option Christian Jackson dem Noon 0.05 0.070 6 0.07 0.06 0.05 0.05 0.05 23.0 0.05 0.05 0.05 0.050 6 0.05 0.05 0.05 23.0 0.06 0.05 0.097 0.08 0.10 6 0.05 0.08 20.5 0.05 0.062 0.05 0.06 0.06 0.05 23.5 6 0.06 0.06 0.066 0.06 0.06 0.06 0.06 21.0 6 0.07 0.06 0.05 0.06 0.057 21.5 6 0.06 0.06 0.05 0.06 0.090 0.06 0.09 0.06 0.06 22.0 6 0.06 0.070 0.06 0.06 0.06 24.0 6 0.06 0.07 0.06 34 0.083 0.07 0.06 0.08 0.07 0.07 0.06 ξĒ. 24.0 6 0.07 0.070 0.07 24.0 6 0.07 0.07 0.07 0.07 10 0.06 0.06 0.064 0.06 0.06 22.0 6 0.06 0.06 省前。 0.06 0.06 0.060 0.05 0.05 0.05 0.06 6 24.0 0.065 0.06 0.06 0.06 6 0.06 0.07 0.06 24.0 0.06 0.060 0.06 0.06 0.06 0.06 0.06 24.0 6 0.06 0.070 0.06 0.06 0.07 0.06 24.0 6 0.06 0.060 0.06 0.06 0.06 0.06 0.06 6 0.06 24.0 0.067 0.06 0.06 0.07 0.06 0.07 23.5 6 0.06 0.07 0.068 0.06 0.06 24.0 6 0.07 0.07 0.06 18 0.080 0.08 0.06 0.06 0.06 0.06 0.06 6 'n, 24.0 0.08 0.080 0.07 0.06 0.06 0.06 23.0 6 0.06 **9**(0) 0.080 0.06 0.06 0.06 Sil 24.0 6 0.08 0.07 0.07 0.07 0.07 0.06 0.07 0.07 0.070 6 0.07 24.0 0.07 0.077 0.08 0.07 0.07 0.08 23.5 6 0.07  $\alpha_{i}$ 0.095 0.08 0.08 0.10 0.08 23 24.0 6 0.07 0.07 0.07 0.07 0.078 0.08 0.07 0.07 24.0 6 0.07 0.07 0.070 6 0.07 0.07 0.07 0.07 0.07 24.0 0.07 0.07 0.090 0.07 0.07 6 0.07 0.09 127 23.0 0.070 0.07 0.07 0.07 0.07 0.07 6 0.07 24.0 र्ग 0.080 0.08 0.07 0.07 0.07 20.0 5 0.08 4 0.06 0.06 0.071 0.06 0.06 24.0 6 0.07 0.07 0.000 0.0 0 羅臘 179 0.097 697.5 179 TOTAL # OF TURBIDITY SAMPLES TAKEN -Total ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) (Any type of filtration besides slow sand) 1 NTU___ 0.1 NTU 0.3 NTU 0 Number of samples exceeding ----> 5 NTU ____ For slow sand filtration, the number of samples exceeding ---> 1 NTU *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number. I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

APPRAINADE DE CONTRA	Same Aug PAR	PHOABLE TO VALE	SURFACE WATER F	LANTS WITH FILTRA	1011	
INDIVIDUAL FILT	ER TURBIDITY EX	CEEDANCE REP	ORT			
PWS Name:	Mar	tin County Water Dis	trict			
PWS ID:	KY080	00273				
PLANT ID:	/					
Report Period (MM/YYY	Y):	06/2	014			
If any filter excee	ded any one of th	e individual filter	turbidity triggers	below,		
•		), complete the fo	ollowing and subr	nlt		PAGE 9 OF 11
the appropriate re	eport(s).	long/school benkister	Maria Maria Maria	ALC: THE RESERVE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	A STATE OF THE PARTY OF THE	DAGE 9 OF 11
de San	Filto Number	t Turbidity Reading 1 Turbidity Reading 1 Turbidity (NTU) 1	(rigger Level (see	Reason for Excee	dance (l/known)	State Was Contacted
		,				
1101777						30,000
			4.5)			
B. Any one filter ha	as a measured turble	dity level of greater dity level of greater tration following a b	than 0.5 NTU in 2 co	nsecutive measureme nsecutive measureme	ents taken 15 minute ents taken 15 minute	s apart. s apart

- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance MAKE COPIES AS NEEDED

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	06/2014
-		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE	FIELDS ARE PRE
		(2000)	with the real Ear	POPULATED FOR YOU!!!	en en en en en en en en en en en en en e
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PLANT ID A	MeRiorni			TAL WATER TREATED (gallons) 53	3,363,000
PLANT NAME	Martin County V	/ater District			,778,767
AGENCY INTER	EST <b>2987</b>		MA	XIMUM PUMPAGE (gallons per day)	,913,000
					ing a state of the season of the
V. C.	<b>公司的基本的基本的</b>	APPLICABLE TO	ALL PL	FERUENT TURBIDITY CONTROL OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF TH	Supplies (Sept. por Bill)
ANALYTE CODE	0100				<u></u>
Was each filter m	nonitored continuously? ()	7N)			[ <u>Y</u>
	ents recorded every 15 m				<u> </u>
Was there a failu	re of the continuous mon	toring equipment? ()	Y/N)	tod even four house of operation? (Y/N)	
If Yes, (1) We	ere individual filter emuen as the continuously monit	t turbidity grab sampi oring equipment rena	ired with	ted every four hours of operation? (Y/N)	
Was individual fill	ter level greater than 1.0	NTU in two consecut	ive meas	urements? (Y/N)	<u>_</u>
Was individual file	ter level greater than 0.5	NTU in two consecuti	ive meas	urements after on line for more than four hours?	(Y/N)
Was individual file	ter level greater than 1.0	NTU in two consecut	ive meas	urements in three consecutive months? (Y/N)	
Was individual fil	ter level greater than 2.0	NTU in two consecut	ive meas	urements in two consecutive months? (Y/N)	D
				dity Sheet and submit with the MOR	
APPLICA	IBINED FILTER ERFLUE ABLE TO ALL PLANTS	NT-TURBIDITY AND WITH FILTRATION		ENTRY POINT RESIDUAL DISINFECTANT APPLICABLE TO ALL PLAI	NTS
ANALYTE CODE	0100			ANALYTE CODE 0999	
	of plant operation		697.5	Number of days of plant operation	3
Were samples ta	ken every 4 hours of plan	t operation? (Y/N)	Y	Were samples taken each day of operation? (Y.	/N)3
Number of samp			0.10	Number of lowest chlorine samples recorded	1.5
Highest single tu	roidity readingxcept slow sand filtration:		0.10	If less than required:	
	imples exceeded 0.1 NTU		0	Was residual restored within 4 hours of plant op	eration? (Y/N)
1	imples exceeded 0.3 NTL	***************	0	Free Chlorine (for all disinfectants except chloro	mine):
1	imples exceeded 1 NTU	+ =	0	Number of samples under 0.2 mg/L	
	slow sand filtration:			Total Chlorine (when disinfectant is Chloramine)  Number of samples under 0.5 mg/L	r:
	imples exceeded 1 NTU			Number of samples dilder 0.5 mg/L	
	amples exceeded 5 NTU				
CHLOR	INE DIOXIDE ENTRY EC	ANT MONINORING		CHLORITE EN PRY BOINT MON	TORING WALLE
APPLICABL	E TO PLANTS UTILIZIN	G CHLORINE DIOXI	DE	APPLICABLE TO PLANTS OTILIZING CH	LORINE DIOXIDE
ANALYTE CODE			00	ANALYTE CODE 1009	3
	of plant operation	-2 (V/N)	30	Number of days of plant operation  Were samples taken each day of operation? (Y	
Were samples to Number of samp	aken each day of operation	nr (Y/N)		Number of samples taken	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
	hlorine dioxide reading		0.00	Highest single chlorite reading	0.0
Number of chlori	ine dioxide samples exce	eded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

07-08-2014 Date

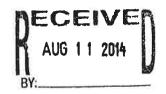
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

WS ID	KY0800273			ORING PERIOD (	
1 29		NOTE: COMPLETE AI	L APPLICABLE FI	ELDS!!! NOT A	LL OF THE FIELDS ARE PR
			POPULAT	ED FOR YOU!!!	
H-12-15-15	PURCHA	spiderson the little of the		102 - 101 - 20 SQ	LD Copyright of the Charles
		APPLICABLE TO A	ALL WATER SYSTEM	AS	
FROM W	HOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM	? (PWS ID)	HOW MUCH? (gallons)
WV330300	3	0			
KY0980575	5	0			
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				events without the second of the 10-10-	COPPOSE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR
		DISTRIBUTION RESIDUAL	ISINEECTANT CON	CENTRATION	<b>建筑是1000年,这种的规则是1000年</b>
		APPLICABLE TO	ALL WATER SYSTE	MS	- delection of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of
NALYTE CO		20	Free Chlorine /for	r all disinfectants	except chloramine)
	ys of operation	30		mples under 0.2 n	
	s taken each day of ope	ration? (Y/N)		mples under 0.2 h hen disinfectant is	
	mples taken:	466		nen disinfectant is mples under 0.5 n	
FREE		120	Number of 8a	inples under 0.5 ii	
TOTAL		120			
	FREE chlorine reading				
owest single	TOTAL chloring reading	n 0.35			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

07-08-2014



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

#### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI DEP Form 4012—Re	H & YEAR (mm/yyyy)	07/2014	Indicate one with "X"	X	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANT ID: A	PLANT NAME:		Martin County Water District
PWS NAME:	Martin County Wa	ater District	_ PLANT CLASS:	3	DIST. CLASS: 2
AGENCY INTEREST (AI);	2987		DATE MAILED:		08-07-2014
SOURCE NAME:	Crum Reserv	oir	COUNTY:		Martin
	Tug Fork				
	OPERATOR(S) RESPONSI	BLE / IN-CHARGE	CLASS		CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	2 8	17562
WTP SHIFT 2:	Michael Sar	tin	1V-A		21944
WTP SHIFT 3:	Jerry L Belch	ner	1V-A	e .	21719
DISTRIBUTION:			****		
THIS REP					PPLICABLE FIELD OFFICE
	NO LATER THA	N 10 DAYS AFTE	R THE END OF T	HE	MONTH.
TREATMENT PLANTS	COMPLETE:				
1. DESIGN CAPACITY (gpm):	-	1,66	7	•	*
2. TYPE OF FILTRATION USE	:D:	Dual M	edia		
J. DESIGN FILTRATION RATE	E (gpm/sq. ft.):	2.66	3	_	
4. PERCENT BACKWASH WA	TER USED:	1.0			
5. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/ 09	-	
6. DATE SETTLING BASIN(S)	LAST CLEANED:	· · · · · · · · · · · · · · · · · · ·			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE



KY0800273

"APPLICABLE COLALL PLANTS " STATE

PWS ID : ____ REPORT MONTH/YEAR:
PAGE 1 OF 07/2014

				141 Sec. 111 (2010 Sec. 10 Sec				1 - W W 1 - 1 - 1	PAGE	DOMESTI AND LOSS	OF	11
	RAW WATER	HOURS PLANT		ULANT	COAG		PH ADJU	STMENT	DISINFE		DISINFE	CTANT
DAY.	TREATED	OPERATED	LBS	PPM	LBS	РРМ	LB8	PPM	LBS	PPM	LBS	st PPM
DAY	1,768,000	23.5	330.6	22.4	4.1	0.3	LBB	FFM	926,5	62.8	176.7	12.0
(7)	1,757,000	23.5	323.8	22.1	4.1	0.3			895.2	61.1	175.5	12.0
	1,753,000	24.0	330.6	22.6	4.2	0.3			920.4	63.0	174.2	11.9
	1,813,000	24.0	264.1	17.5	4.2	0.3			923.3	61.1	174.5	11.5
	1,764,000	24.0	224.2	15.2	4.2	0.3		_	924.6	62.8	173.8	11.8
	1,827,000	24.0	224.2	14.7	4.2	0.3			943,6	61.9	183.0	12.0
	1,797,000	23.5	219.5	14.6	4.1	0.3			908.1	60.5	168.4	11.2
16	1,840,000	24.0	224.2	14.6	4.2	0.3			893.4	58.2	179.1	11.7
	1,804,000	24.0	224.2	14.9	4.2	0.3			866.8	57.6	185.7	12.3
10	1,840,000	24.0	224.2	14.6	4.2	0.3			870.8	56.7	189.8	12.4
	1,833,000	24.0	224,2	14.7	4.2	0.3			802.7	52.5	173.5	11.3
	1,857,000	24.0	224.2	14.5	4.2	0.3			816.0	52.7	173.9	11.2
N15	1,822,000	24.0	224.2	14.8	4.2	0.3			836.0	55.0	169.2	11.1
	1,858,000	24.0	224.2	14.5	4.2	0.3			755.8	48.8	169.2	10.9
10	1,833,000	23.5	219.5	14.4	4.1	0.3			746.9	48.9	174.4	11.4
<b>斯</b> 曼	1,838,000	24.0	224.2	14.6	4.2	0.3			788.3	51.4	173.0	11.3
đ _Z	1,807,000	24.0	224.2	14.9	4.2	0,3			797.5	52.9	179.0	11,9
Œ	1,868,000	24.0	224.2	14.4	4.2	0,3			755.6	48.5	161.8	10.4
L.	1,837,000	24.0	224.2	14.6	4.2	0.3			762.4	49.8	184.5	12.0
20	1,893,000	24.0	224.2	14.2	4.2	0.3			761.2	48,2	183.2	11.6
21	1,787,000	22.5	210.2	14.1	4.0	0.3			768.7	51.6	180.5	12,1
22	1,888,000	24.0	224.2	14.2	4.2	0.3			779.4	49.5	169.7	10.8
052	1,851,000	24.0	224.2	14.5	4.2	0.3			716.2	46.4	155.7	10.1
2	1,789,000	23.0	214.9	14.4	4.0	0.3			589.0	39.5	160.1	10.7
26,	1,847,000	24.0	224.2	14.6	4.2	0.3			667.5	43.3	168.6	10.8
26,	1,858,000	23.5	219.5	14.2	4.1	0.3			668.2	43.1	168.8	10.9
27.	1,809,000	23.0	214.9	14.2	4.0	0.3	<del> </del>		718.5	47.6	161.4	10.7
128	1,850,000	24.0	224.2	14.5	4.2	0.3		700000	678.0	43.9	170.6	11.1
29	1,883,000	24.0	224.2	14.3	4.2	0.3			701.1	44.6	178.5	11.4
30	1,881,000	24.0	224.2	14,3	4.2	0.3		<b></b>	728.7	46.5	173.9	11.1
311	1,824,000	24.0	224.2	14.7	4.2	0.3			744.5	48.9	155.0	10.2
TOTAL	56,676,000 1,828,258		7255.8 234.1	15.4	129.1 4.2	0.3	0,0 #DIV/01	#DIV/0I	24652.9 795.3	52.2	5363.2 173.0	11.4
AVERAGE	1,020,200		234.1	13.4	7.2	0.0	W 214/01	110101				

MAX

1,893,000



PWS ID: KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 07/2014

THE REPORT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE

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							Po							
DAY	LBS	PPM	LBS	PPM	LBS	PPM	LB9	PPM	LB8	PPM	LB8	PPM	LBB	PPM
-1. -1. -1.5.1	1103,2	74.8	59.6	4.0			253.2	17,2	31.1	2,1	-			
	1070.7	73,1	59.6	4,1			217.4	14.8	31.1	2.1				
<b>3</b> ∶	1094.6	74.9	60.9	4.2		-	222,2	15.2	31.7	2.2				
w.	1097,8	72,6	60.9	4.0		-	222.2	14.7	31.7	2.1				
Total a	1098,4	74.7	60.9	4.1			222.2	15.1	31.7	2.2				
6 17	1126.7	73.9	60.9	4.0			222.2	14.6	31.7	2.1				
	1074.5	71.7	59.6	4.0	51.7	3.4	222.2	14.8	31.1	2.1				
B	1072.5	69.9	60.9	4.0	107.9	7.0	94.9	6.2	31.7	2.1				
ij.	1052.5	70.0	60.9	4.0	107.9	7.2			31.7	2.1				
-10	1060.6	69.1	60.9	4.0	107.8	7.0			31.7	2.1				
41	976.2	63.9	60.9	4.0	107.8	7.1			31.7	2.1				
<b>412</b>	989.9	63.9	60,9	3.9	107.8	7.0		*****	31.7	2.0				
43	1005.2	66.2	60.9	4.0	107.8	7.1			31.7	2,1				
10	925.0	59.7	60.9	3.9	107.8	7.0			31.7	2.0				
10.4	921.3	60.3	59.6	3.9	105.6	6.9			31.1	2.0				
16	961.3	62.7	60.9	4.0	107.8	7.0			31.7	2.1				
47	976.5	64.8	60.9	4.0	107.8	7.2			31.7	2.1				
10	917.4	58.9	60.9	3.9	126.9	8.1			31.7	2.0				
19	946.9	61.8	60,9	4.0	126.9	8.3			31.7	2.1				
20	944.4	59.8	60.9	3.9	126.9	8.0			31.7	2.0		1711		
124	949.2	63.7	67.1	3.8	119.0	8.0			29.7	2.0				
x	949.1	60.3	60.9	3.9	126.9	8.1			31.7	2,0				
+k++	871.9	56.5	60.9	3.9	126.9	8.2			31.7	2.1				
-24	749.1	50.2	58.4	3.9	121.6	8.1			30.4	2.0				
26	834.1	54.1	60.9	4.0	126.9	8.2			31.7	2.1				
26	837.1	54.0	59.6	3.8	124.3	8.0			31.1	2.0				
200	879.9	58:3	58.4	3.9	121.6	8.1			30.4	2.0		- Liver de		
28	848.6	55.0	60.9	3.9	126.9	8.2			31.7	2.1				
29	879.6	56.0	60.9	3.9	126.9	8.1			31.7	2.0				
30	902.6	57.5	60.9	3.9	126.9	8.1			31.7	2.0				
31-	899.5	59.1	60.9	4.0	126.9	8.3			31.7	2.1				
TOTAL	30,016.3	00.1	1,872.6		2,883.2		1,676.5		975.1		0.0		0.0	
AVERAGE		63.6	60.4	4.0	115.3	7.5	209.6	14.1	31.5	2.1	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0I

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ACL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

07/2014 .11

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		рН			TAL LINITY		TAL NESS		OF	RESIDUAL		****		
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
1	6.96	7.03	7.33	59	63	78	73	0.92	0.84	2.01	1.95	7.16	0.15	0.06
2	6.99	7.11	7.37	60	62	85	83	0.84	0.72	1.90	1.82	6.99	0.18	0.06
	7.03	7.14	7.38	67	72	94	92	0.91	0.77	1.96	1.88	5.72	0.18	0.06
4	7.05	7.18	7.36	68	73	113	107	0.92	0.82	1.96	1.86	5.34	0,19	0.05
6	7.05	7.16	7.36	70	72	115	110	0.91	0.78	2.00	1.87	4.68	0.16	0.06
6	7.33	7.30	7.46	71	74	134	128	1.13	1.04	2.05	1.93	4.76	0.15	0.06
10.00	7.33	7.43	7.49	100	104	141	135	1.00	0.91	1.93	1.83	3.79	0.17	0.06
17.8	7.48	7.57	7.50	105	108	153	148	1.13	1.02	1.97	1.87	4.34	0.16	0.05
9.6	7.47	7.57	7.45	110	115	160	158	1.00	0.87	1.95	1.85	4.46	0.16	0.06
10	7.53	7.61	7.52	117	120	174	170	1.06	0.92	2.00	1.89	4.18	0.16	0.06
1011	7.57	7.68	7.55	120	123	181	187	1.02	0.93	1.98	1.87	4.73	0.17	0.06
-12	7.60	7.63	7.54	131	134	188	182	0.97	0.87	2.02	1.93	5.02	0.14	0.05
, is	7.61	7.65	7.54	123	125	190	185	1.15	1.07	2.04	1.95	4.66	0.17	0.07
14	7.64	7.67	7.55	121	125	185	181	0.96	0.89	1.98	1.90	4.50	0.12	0.06
16	7.64	7.72	7.61	124	128	189	184	0.79	0.70	1.93	1.84	3.87	0.14	0.05
15	7.68	7.72	7.60	133	128	192	185	0.96	0.83	2.09	1.95	3.47	0.17	0.06
17	7.76	7.82	7.69	138	143	203	200	0.90	0.78	1.98	1.89	4.06	0.13	0.06
18.7	7.94	7.91	7.78	139	145	206	202	1.02	0.93	1.94	1.86	3.60	0.13	0.06
¥ 1910 ⁷	8.00	7.88	7.78	143	147	205	202	0.85	0.76	1.92	1,83	3.31	0.11	0.06
20	7.99	7.91	7.79	146	150	210	206	0.92	0.84	2.00	1.94	6.83	0.11	0.05
. 21	8.04	7,96	7.82	150	154	214	210	0.85	0.77	1.94	1.89	5.80	0.11	0.06
22	8.01	7.93	7.81	151	156	212	207	1.02	0.93	2.03	1.96	4.47	0.11	0.05
-2)	7.90	7.87	7.78	148	150	215	217	1,17	1.07	2.03	1.97	4.06	0.12	0.06
24	7.87	7.88	7.77	150	153	205	209	1.06	0.94	1.99	1.90	3.61	0.13	0.06
26	7.84	7.85	7.76	150	154	214	210	0.95	0.86	1.98	1.91	3.12	0.12	0.05
V26	7.85	7.81	7.73	149	155	217	212	0.84	0.74	1.94	1.87	2.98	0.09	0.05
7	7.81	7.81	7.73	165	159	220	220	0.81	0.70	1.91	1.84	2.97	0.10	0.05
28	7.75	7.77	7.71	162	157	220	224	0.93	0.85	2.00	1.94	3.00	0.11	0.05
28	7.79	7.80	7.73	145	150	223	227	0.73	0.65	1.86	1.81	2.73	0.11	0.06
30	7.88	7.92	7.80	152	154	227	222	0.73	0.62	1.98	1.91	3.01	0.11	0.05
31,73	8.02	7.91	7.82	153	157	223	228	1.04	0.92	2.06	1.94	2.64	0.10	0.05
AVERAGE	7.6	7.7	7.6	123	126	180	178	0.95	0.85	1.98	1.89	4.32	0.14	0.05

#### OPTIONAL INFORMATION—Surface Water Plant Cont.

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PWS ID : KY0800273

PLANT ID: A

AGENCY INTEREST: 2987

REPORT MONTH/YEAR: 07/2014

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF 11

	被操物		A South		7.6	AL AN	ALYTICAL	TEBULTS (	hime bay		磁光点.	# J. %	100	a William	# 12.0
	RAW		SEDIM		BASIN EFFL	LUENT					L FILTER S				CFE DAJLY
DAY	DAILY MAXIMUM	#1	#2	#3	HAXIMUM #4	#5	#6	#1	#2	#3	ILY MAXIM	JM #5	#6	#7	MAXIMUM
	7.16		0.13	0.23						0.06	0.06	0.08	0.08		0.07
	6.99		0.15	0.27						0.06	0.06	0.07	0.07		0.07
	5.72		0.22	0.30						0.07	0.07	0.07	0.07		0.07
	5.34		0.18	0.34						0.06	0.06	0.06	0.07		0.07
6.13	4.68		0.13	0.24						0.06	0.06	0.08	0.08		0.08
6	4.76		0.18	0.26						0.06	0.05	0.06	0.07		0.06
100	3.79		0.22	0.32						0.06	0.06	0.06	0.06		0.07
113.8	4.34		0.17	0.25						0.06	0.06	0.06	0.06		0.06
0.0	4,46		0.16	0.38						0.07	0.07	0.11	0.08		0.08
10	4.18		0.19	0.24						0.06	0.05	0.07	0.08	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.06
11	4.73		0.25	0.27						0.06	0.06	0.09	0.06		0.07
52	5.02		0.15	0.24						0.06	0.05	0.07	0.06		0.07
13	4.66		0.18	0.27						0.06	0.05	0.13	0.07		0.07
2.14	4.50		0.11	0.24						0.06	0.05	0.07	0.06		0.06
1 15	3.87		0.17	0.19						0.06	0.06	0.07	0.06		0.07
16	3.47		0.18	0.31						0.06	0.05	0.08	0.06		0.07
	4.06		0.11	0.21						0.06	0.06	0.15	0.11		0.06
18	3.60		0.11	0.22						0.06	0.06	0.07	0.07		0.07
io i	3.31		0.14	0.13						0.07	0.06	0.07	0.07		0.07
20	6.83		0.11	0.14						0.06	0.08	0.07	0.07		0.07
717	5.80		0.12	0.15						0.06	0.06	0.13	0.09		0.09
222	4.47		0.10	0.17						0.06	0.06	0.06	0.07		0.06
23	4.06		0.13	0.24						0.06	0.06	0.06	0.06		0.07
JI 24	3.61		0.23	0.23						0.06	0.06	0.09	0.06		0.07
25 GP	3.12		0.12	0.15						0.06	0.05	0.10	0.07		0.14
-/26 ^{1/5}	2.98		0.09	0.14						0.06	0.06	0.05	0.05		0.06
27	2.97		0.09	0.16						0.06	0.06	0.06	0.06		0.05
28	3.00		0.16	0.18	-					0.06	0.06	0.07	0.05		0.06
339 1307	2.73		0.12	0.16						0.06	0.05	0.13	0.08		0.07
3300	3.01		0.10	0.17						0.06	0.05	0.07	0.05	-	0.05
ot,	2.64		0.10	0.14						0.06	0.06	0.08	0.06	ļ	0.05
AVERAG	£ 4.3	#DIV/0!	0.1	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.06	0.06	0.08	0.07	#DIV/0!	0.07

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 07/2014

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		ORIDE		NALYTICAL R RON		GREEN IN	ESS AVIIERW	BESPECIFIE	Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
AY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
	0.21	1.01	0.54	0.03	0.67	0.01			1.70	0.1	23.7
(New	0.30	1.02	0.56	0.03	0.80	0.01			1.75	0.2	24.1
<u>#</u> .//	0.41	1.23	0.48	0.03	0.55	0.01			1.75	0.0	24.5
	0.26	1.20	0.36	0.03	0.57	0.01			1.80		25.0
50.75	0.28	1.03	0.37	0.03	0.56	0.01			1.75	0.0	24.7
6	0.25	1.07	0.10	0.03	0.44	0.01			1.65	0.0	25.0
	0.29	1.00	0.20	0.03	0.35	0.01			1.75	0.0	25.1
	0.25	1.03	0.19	0.03	0.32	0.01			1.70	0.0	25.3
i i	0.37	1.11	0.17	0.03	0.74	0.01			1.70	0.4	25.8
0	0.00	0.99	0.20	0.03	0.20	0.02			1.80	0.0	26.0
1.	0.33	1.05	0.14	0.03	0.22	0.01			1.80	0.0	25.6
2	0.45	1.15	0.13	0.03	0.23	0.01			1.65	0.0	25.7
	0.39	1.07	0.17	0.03	0.21	0.01			1.75	0.0	25.9
4	0.41	1.05	0.14	0.03	0.24	0.01			1.75	0.0	26.0
5 W	0.34	1.03	0.08	0.03	0.23	0.01			1.55	0.3	26.2
B	0.24	0.95	0.10	0.03	0.19	0.01			1.75	0.1	25.8
4	0.33	1:11	0.03	0.03	0.19	0.01			1.80	0.0	26.3
8	0.40	1.17	0.09	0.03	0.15	0.01			1.80	0.0	25.5
9	0.38	1.05	0.12	0.03	0.08	0.01			1.70	0.7	25.5
0	0.32	1.08	0.10	0.03	0.09	0.01			1.52	0.5	24.9
4	0.38	1,07	0.14	0.03	0.08	0.01			1.50	0.1	24.5
	0.22	1.03	0.10	0.03	0.09	0.01		U-C VALUE	1.75	0.0	24.3
*	0.31	0.96	0.11	0.03	0.13	0.01			1.80	0.0	24.9
	0.28	1.17	0.15	0.03	0.14	0.01			1.75	0.1	24.8
25	0.32	1.07	0.09	0.03	0.11	0.01			1.80	0.0	24.6
26	0.40	1.08	0.10	0.03	0.10	0.01			1,75	0.0	24.9
7	0.38	1.07	0.09	0.03	0.13	0.04			1.65	0.1	24.8
28	0.33	0.99	0.07	0.03	0.11	0.01			1.80	0.4	24.7
29	0.35	1.19	0.07	0.03	0.11	0.01			1.75	0.0	24.8
30.7	0.30	0.84	0.12	0.03	0.05	0.01				0.0	24.6
	0.41	0.97	0.08	0.03	0.13	0.01			1.75	0.0	24.1
RAGE	0.32	1.06	0.17	0.03	0.26	0.01	#DIV/0!	#DIV/01	Montraly Minimum	Fotal Rainfall	25.1
PAGE	0,02	1.00	0.17	0.00	0.20	0.01			1.50	I KA WATER	
								of readings	31	3.04	
								lorine, # less			

than 0.2 mg/L For Chloramines, # less

than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

Appleoner to a company of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 07/2014

								PAGE	6	OF	11
		View by							Company of the second	No:	V. Compile
	TOTAL WASH WATER	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	160	AREA (square feet)	
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR6
	31,000					16,000	91.00	15,000	91.00		
40	0										
	28,000	14,000	92.40	14,000	92.00			V 9101		- usan	
	0					11000000					
10.22	31,000					15000.00	94.60	16,000	94.60		
15	0					- C-114					
	45,000	23,000	93.00	22,000	93.00						
	0										
-6),	41,000					22,000	94.80	19,000	94.80		
2-10	0										
111	36,000	18,000	94.60	18,000	94.60						
12	0	-100									
41373	33,000					17,000	94.30	16,000	94.30		
10	0										<u></u>
16	33,000	17,000	94.80	16,000	94.80						
	0										
. 12	36,000					18,000	95.70	18,000	95.70		
/ <b>E</b> 3-3-6	0									- Oracia de	
19.	34,000	17,000	95.10	17,000	95.10						
20	0										
	36,000					18,000	94.00	18,000	94.00		
d.	0					W-4					
73	34,000	17,000	94.30	17,000	94.30						
2.5	0										-
10	35,000					18,000	93.10	17,000	93.10		
26	30,000	15,000	90.00	15,000	90.00						
27	0										
27 201 201	32,000					17,000	90.50	15,000	90.50		
20	0							++			
×6: +	0	-				101110					
	30,000	15,000	98.00	15,000	98.00						
TOTAL	545,000	136,000	752.20	134,000	751.80	141,000	748.00	134,000	748.00	0	0.00
AVERAGE	17,581	17,000	94.025	16,750 COPY AS NEE	93.975	17,625	93.500	16,750	93.500	#DIV/0I	#DIV/0I

A CONTROL OF THE PROPERTY OF THE STREET OF THE STREET OF THE STREET

ON ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 07/2014

IN ELSE AND MICHIGAN COMMINGOR MADE DE 1991 A.

OF 11 MANAGATAN PERMUANGAN PENGUNAN TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHLORINE **BOOSTER** BOOSTER NORTH BOUTH EAST DAY LBS LBS Ţ E 1.45 1.42 1.46 1.22 1.51 1.31 1.22 1.35 1.05 1.01 0.89 1.09 0.99 1.16 1.01 1,10 1.46 1.41 1.11 1.02 0.86 0.82 1.44 1.33 1.39 1.37 1.22 0.97 0.92 0.82 0.70 1.44 8 1.20 1.27 1.33 1.05 0.93 1.31 1.39 1.33 1.41 1.31 1.43 1.30 5 1.27 1.13 0.61 0.73 1,29 1.04 0.97 1.21 1.18 1.03 1.16 1.15 0.70 0.55 1.12 1.00 1.29 1.17 1.10 0.92 0.69 0.61 1.13 1.02 1,17 1.06 1.38 1..44 0.97 10 0.52 1.08 0.58 1.18 1.05 1.39 1.30 1.36 ia. 0.76 0.94 0.88 1,42 1.21 1.10 0.81 1.36 1.09 0.97 1.31 1.27 1.10 1.05 1.39 12 (b) 1.12 1.61 1.50 1.43 1.35 1,25 1.15 1.24 0.84 1.37 1.29 1.50 1.34 1,08 0.98 0.95 15 1.29 0.82 0.78 1.33 1.31 1.20 1.32 1.15 18 1.42 1.38 1.49 1.44 0.97 0.92 1.46 1.35 117 1.50 1.44 0.72 0.66 1.32 1.22 1.22 1.16 1.08 1,46 1,38 0.75 1.16 1.09 0.80 . 10 1.18 (19. 1.34 1.25 1.30 1.22 1.35 1.24 1.21 1.12 1.22 20 1.04 0.96 1.50 1.44 1.30 1.44 1.36 11 1,25 1.48 1.36 1.28 1.20 1,16 1.09 1.33 1.51 1.20 1.56 22 0.66 0.55 1.55 1.47 1.26 0.66 1.42 1.39 0.72 1.27 1.25 1.39 1.30 24 1.31 0.60 0.50 1.26 1.19 0.55 0.46 1.37 1.49 1,17 1.00 26 1.02 0.90 0,53 0.45 1.31 1.20 41 1.35 1.25 1.27 1.19 1,33 1.26 1.30 in 1.35 1.21 1.12 0.23 0.22 1,14 1.02 1.43 1.09 1.12 1.33 1.32 1.24 1.18 1.22 1.40 20 30 1.58 1.48 1.34 1.26 1.48 1.39 1.37 1.29 0.99 1.46 1.43 1.37 1.27 0.94 0.90 1.06 1.50 1.46 1,26 0.90 0.83 1.59 1.53 1.30 1.07 1.20 1.12 1.29 1.24 1.08 1.15 #DIV/0I #DIV/01 1.17 AVERAGE Average Total 0.70 0.60 0.23 0.55 TOTAL 0.0 0.0 Free 0.55 0.46 0.50 0.22 31 31 31 31 Total # Chlorine Samples 30 31

Number of Total Residuals 123

Total # Less than 0.5 mg/L 0

Total # Less than 0.5 mg/L

F Less than 0.2 mg/LU.5. mg/L 0

Minimum Monthly Free
Radiual 124 Radiual 0.22

Minimum Monthly Total 123 Residual 0.23

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 31

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

					PWS ID: KY0800273			-	
	TURBIDITY F	Annual Control of the State of the State of		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		PLANT ID:	Α		-
DWQ	APPLICAE Name:	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	County Water I		Report Period (	MM/YYYY):	07/20	014	PAGE: 8 OF <u>11</u>
	AGMINISTRE			PERSON ASSESSED	M. 174. "	and the second	AUS	W.J w	il some
	Deceted 45	Samples Required:		0.07	to have needed.	0.00	0.00	0.06	O OCO
Car	23.5	6	0.06	0.07	0.06	0.06	0.06	0.06	0.069
	23.5	6	0.07	0.07	0.06	0.07	0.07	0.07	0.070
3.	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.070
18	24.0	6	0.06	0.08	0.06	0.05	0.06		
ned 15	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.061
	23.5	6	0.06	0.07	0.06	0.05	0.05	0.06	0.065
30	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
log.	24.0	6	0.06	0.08	0.06	0.06	0.05	0.06	0.076
10	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.060
110	24.0	6	0.07	0.07	0.07	0.06	0.06	0.06	0.074
, sir	24.0	6	0.07	0.07	0.07	0.06	0.06	0.06	0.070
18	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.070
14	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.062
15	23.5	6	0.07	0.07	0.06	0.06	0.05	0.06	0.069
10	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.069
	24.0	6	0.07	0.08	0.06	0.06	0.06	0.06	0.082
18/	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.070
1,19	24.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
20	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.070
21	22.5	6	0.07	0.09	0.07	0.06	0.06	0.06	0.094
22	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.064
distribution of the		6	0.06	0.07	0.06	0.06	0.05	0.06	0.068
23 24	23.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
200	24.0	6	0.14	0.07	0.06	0.05	0.05	0.06	0.140
26	23.5	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
27	23.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
28	24.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.060
124.	24.0	6	0.07	0.06	0.05	0.05	0.05	0.05	0.070
30	24.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.054
	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.054
Total	700.0	186		0.50		AL # OF TURBIDITY	S SHIPLE SE	186	0.140
ARE	YOU USING EITHE	R CONVENTION	I AL or DIRECT FIL	TRATION? (Y/N)					
	ber of samples ex		0.1 NTU	1	0.3 NTU	0	1 NTU_	0	2
	•	-	er of samples exc				5 NTU		
NOT				-	 urs the plant opera		rounded		
up to	the next whole nu	ımber.							
I сег	tify that the above	e turbidity readir	gs were taken	every 4 hours du	ring plant operat		08-07-		
	Signature of Princ	ipal Executive Office	cer of Authorized A	Agent			Dat		-
			J.						

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INDIVIDUAL FILT	ER TURBIDITY EX	(CEEDANCE REP	ORT		
PWS Name:	Ma	tin County Water Dis	trict		
PWS ID:	KY08	00273			
PLANT ID:				6	
Report Period (MM/YY	YY):	07/2	2014		
	eded any one of the e Summary Sheet report(s).				PAGE 9 OF 11
		umalis canno	landa visi den	Colors assessment to the second	The same same of
636	Filter Number	(City)	diagram con (cr) 1900.	is attroniosestatuazos pao	State of a contrast?
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#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY	YYY) <b>07/2014</b>	
	<b>*</b>	NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL O	F THE FIELDS ARE I	PRE-
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	STATE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	APPLIC	ABLE T	O ALL PLANTS		
PLANT ID	1			TAL WATER TREATED (gallons)	56,676,000	-
PLANT NAME		/ater District		E. DAILY PRODUCTION (gallons)	1,828,258	-0
AGENCY INTE	EREST 2987		MA.	XIMUM PUMPAGE (gallons per day)	1,893,000	
医溶解医疗法		APPLICABLE TO	LEERE ALL PL	STEELER STREET OF STREET	AR	
Were measure Was there a fa If Yes, (1) (2) Was individua Was individua Was individua Was individua If any of the Is APPL  ANALYTE CO Number of hor Were samples Number of sai Highest single For all filtration Number of Number of Number of Number of When filtration	r monitored continuously? (Nements recorded every 15 miliure of the continuous monity were individual filter effluent was the continuously monity if filter level greater than 1.0 if filter level greater than 1.0 if filter level greater than 1.0 if filter level greater than 2.0 ast 4 boxes are YES, fill outside the continuously monity if the level greater than 2.0 ast 4 boxes are YES, fill outside the continuously monity in the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4 boxes are YES, fill outside the level greater than 2.0 ast 4	inutes? (Y/N) toring equipment? (Y t turbidity grab sample oring equipment repa NTU in two consecuti NTU in two consecuti NTU in two consecuti NTU in two consecuti NTU in two consecuti NTU in two consecuti It the Individual Filt WITH FILTRATION  It operation? (Y/N)	//N) es collectired with ve meas ive meas ive meas ive meas ive meas	ted every four hours of operation? (Y/N) in 5 working days? (Y/N)	L PLANTS  ion? (Y/N)  plant operation? (Y/N) ot chloromine):	31 1.50 0
	samples exceeded 5 NTU	NOTES WENT TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE	<b>建空间接受</b> 决。	Luciani in Indiches Andrews Color	તાં જાલ્લામાં તાલાન	
APPLICA	BLE TO PLANTS UTILIZIN	G CHLORINE DIOXI	DE	APPLICABLE TO PLANTS UTILIZ	ING CHLORINE DIOXID	E
ANALYTE CO	DDE 1008 ys of plant operation		31	ANALYTE CODE 1009  Number of days of plant operation		31
	s taken each day of operation	n? (Y/N)		Were samples taken each day of operat	ion? (Y/N)	
Number of sa	mples taken		0	Number of samples taken		0.00
Highest single	e chlorine dioxide reading lorine dioxide samples exce	eded 0.8 mg/l	0.00	Highest single chlorite reading  Number of chlorite samples exceeded 1	mg/L	0.00
Number of Ch	ionna dioxida sampias exce	oded old myre				

certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

08-07-2014 Date

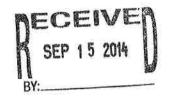
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS	SID	KY0800273			MONITORING PERIOD (MMYYYY) 07/2014						
Al	2987		NOTE: COMPLET	E ALL	APPLICABLE FIELDS!!! NOT	ALL OF THE FIELDS ARE PRE					
AI	2301		POPULATED FOR YOU!!!								
侧脑谱	STORY STORY	S. S. DURCHAS	emple to the second	# #**	12.	Make Name of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont					
NAME OF TAXABLE PARTY.	Complete Complete	act department of the second			WATER SYSTEMS						
	FROM WHO	M? (PWS ID)	HOW MUCH? (gallons)		TO WHOM? (PWS ID)	HOW MUCH? (gallons)					
V	VV3303003			0							
	Y0980575			0							
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				was well as a second	w man and and						
			DISTRIBUTION RESID	Alleinis	landaginasi sigistyashisandigis	.gp; ≥ 16-g-71 = 17					
			APPLICABL	E TO AL	L WATER SYSTEMS						
	LYTE CODE			0.4	Free Chlorine (for all disinfectants	except chloramine)					
Nun	nber of days	of operation		31		_					
Wer	e samples ta	ken each day of oper	ation? (Y/N)	Y	Number of samples under 0.2						
	nber of samp	les taken:		464	Total Chlorine (when disinfectant i						
				124	Number of samples under 0.5	1119/L					
	TOTAL			123							
		REE chlorine reading		0.22							
E.		TAL chlorine reading		0.23							

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

08-07-2014



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

#### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONT	H & YEAR (mm/yyyy) 08/2	201 <b>8</b> 4 with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273 PL	ANT ID: A PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	PLANT CLASS:	2_3 DIST. CLASS: _ 2_
AGENCY INTEREST (AI):	2987	DATE MAILED:	09-08-2014
SOURCE NAME:	Crum Reservoir	COUNTY:	Martin
	Tug Fork		
	OPERATOR(S) RESPONSIBLE / IN-C	CHARGE CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	1V-A	17562
WTP SHIFT 2:	Michael Sartin	1V-A	21944
WTP SHIFT 3:	Jerry L Belcher	1V-A	21719
DISTRIBUTION:	2 22 10 22 10 22		* :
THIS REP	ORT MUST BE RECEIVED BY THE	E DIVISION OF WATER AN	ND APPLICABLE FIELD OFFICE
	NO LATER THAN 10 DA	YS AFTER THE END OF T	THE MONTH.
TREATMENT PLANTS	COMPLETE:		
1. DESIGN CAPACITY (gpm):	40	1,667	_
2. TYPE OF FILTRATION USE	D;	Dual Media	<u> </u>
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66	
4. PERCENT BACKWASH WA	TER USED:	0.8	
5. DATE FLOCCULATION BA	SIN(S) LAST CLEANED: #2	- 3/18/10 #3 - 9/2/ 09	<b>→</b> )
6. DATE SETTLING BASIN(S)	LAST CLEANED:		=0 = = = = = = = = = = = = = = = = = =
	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	, and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

Cast T. alley

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

09-05-2014 DATE

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APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR: PAGE 1 08/2013 OF 11

	RAW WATER	HOURS PLANT	COAG			ULANT	pH ADJU		DISINFE		DISINFE	CTANT
	TREATED	OPERATED					P	re	Pr	9	Po	
DAY	GALLONS		LBS	РРМ	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
1	1,882,000	24.0	224.2	14.3	4.2	0.3			794.4	50.6	166,7	10.6
. 2.	1,848,000	24.0	224,2	14.5	4.2	0.3			794.4	51.5	171.0	11.1
3	1,869,000	24.0	224.2	14.4	4,2	0.3			787.8	50.5	169.2	10.9
4	1,859,000	23,5	219.5	14.2	4.1	0.3			773.2	49.9	183.2	11.8
5	1,883,000	24.0	224,2	14.3	4.2	0.3			787.8	50.2	183.2	11.7
6	1,848,000	23.0	214.9	13,9	4.0	0.3			758.6	49.2	165.7	10.8
7.	1,879,000	24.0	224.2	14.3	4.2	0.3			837.8	53.5	169.2	10.8
8	1,852,000	24.0	224.2	14.5	4.2	0,3			816.6	52.9	169.2	11.0
9	1,871,000	24.0	279.6	17.9	4.2	0.3			848.2	54.4	196.1	12.6
10	1,834,000	24.0	361,5	23.6	4.2	0.3			950.0	62,1	214.7	14.0
r viti	1,836,000	24.0	361.5	23.6	4.2	0.3			995.6	65.0	190.9	12,5
12 =	1,827,000	24.0	292.9	19.2	4.2	0.3			893.3	58.6	181.1	11,9
13	1,840,000	24.0	292.9	19.1	4.2	0.3			898,6	58.6	171.5	11.2
44	1,804,000	24.0	292.9	19.5	4.2	0.3			901.8	59.9	187.7	12.5
15.	1,843,000	24.0	292.9	19.1	4.2	0.3			909.2	59.2	193.2	12.6
46	1,820,000	24.0	292.9	19.3	4.2	0.3			907.7	59.8	187.6	12.4
( <b>(</b> )	1,842,000	24.0	292.9	19.1	4.2	0.3			882.2	57.4	171.2	11.1
18	1,834,000	24.0	292.9	19.1	4.2	0.3			839.1	54.9	183.2	12.0
.19	1,852,000	24.0	264.8	17.1	4.2	0,3		ment -	862.1	55.8	213.1	13.8
20-1	1,803,000	24.0	155,0	10.3	4.2	0.3			862.5	57.4	202.5	13.5
21	1,870,000	24.0	155.0	9,9	4.2	0.3			907.0	58.2	213.1	13.7
24	1,829,000	24.0	155.0	10,2	4.2	0.3			896.2	58.8	192,9	12.6
7(3)	1,883,000	24.0	176.7	11.3	4.2	0.3			819.4	52.2	165.9	10.6
. <u>7</u> 24)	1,886,000	24.0	292.9	18,6	4.2	0,3		ļ	854.6	54.3	174.5	11.1
20 /	1,888,000	24.0	292.9	18.6	4.2	0,3		1	865.6	55.0	177.7	11.3
28	1,859,000	23.5	286.7	18.5	4.1	0,3			840.7	54.2	179.3	11.6
27	1,868,000	24.0	292,9	18.8	4.2	0.3			860.6	55.2	183.1	11.8
20	1,832,000	24.0	292.9	19.2	4.2	0.3			876.7	57.4	183.2	12.0
219	1,859,000	24.0	292.9	18.9	4.2	0.3			887.1	57.2	183.2	11.8
30:00	1,834,000	24.0	292.9	19.1	4.2	0.3			874.4	57.2	177.3	11.6
3/10	1,863,000	24.0	292.9	18.9	4.2	0.3			834.9	53.7	169.2	10.9
TOTAL	57,397,000		8076.0		129.8		0.0		26618.1		5669.6	
AVERAGE	1,851,516		260.5	16.9	4.2	0.3	#DIV/0!	#DIV/01	858.6	55.6	182.9	11.8

1,888,000

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

AFPLICABLE TO ALL PLANTS	ST THE ST
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PW\$ ID: KY0800273 PLANT ID: A

OF

REPORT MONTH/YEAR: 08/2013

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				No solutions			HAIGALE CODED. ALT. A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A SALE AND A			Louis Committee		77 Charles (1947)		
	DISINFE	CTANT	PLUC	PRIDE	CARE	BON	pH ADJ	USTMENT	КМ	nO ₄	CORRO		H2	02
1							Po	ost						
DAY	LB6	PPM	LB8	PPM	LB8	РРМ	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
	961.1	61.2	80.9	3.9	126.9	B.1			31.7	2.0				
	965.4	82.6	60.9	4.0	128,9	8.2			31,7	2.1				
	957.0	61.4	60.9	3.9	126.9	8,1			31.7	2.0				
4	956.4	61.7	59.6	3.8	124.3	8.0			13.2	0.9				
. 5	971.0	81.8	60.9	3.9	215.8	13.7			14.5	0.9				
	924.3	80.0	58.4	3.8	224.9	14.6			30.4	2.0				
7	1007.0	64.3	60.9	3.9	234.7	15,0			31.7	2.0				
8	985.8	83.8	60.9	3.9	234.7	15.2			31.7	2.1				
9	1044.3	66.9	60.9	3.9	234.7	15.0			31.7	2.0				
10	1164,7	76.1	60.9	4.0	234.7	15.3			31.7	2.1				
= 14 ×	1186.5	77.5	60.9	4.0	234.7	15.3			31.7	2.1				
12	1074.4	70.5	60.9	4.0	234.8	15.4			31.7	2.1				
13	1070.1	69.7	60.9	4.0	234.8	15,3			31.7	2.1				
lati-in	1089.5	72.4	60.9	4.0	234.8	15.6			31.7	2.1				
ŭ.	1102.4	71.7	60.9	4.0	234.8	15,3			31.7	2.1				
18	1095.3	72.2	60,9	4.0	234.8	15,5			31.7	2.1				
U7 .	1053.4	68.6	60.9	4.0	234.8	15.3			31.7	2.1				
18	1022.3	66.8	60.9	4.0	234.8	15.4			31.7	2.1				
18	1075.2	69.6	60.9	3.9	234.8	15.2			31.7	2.1				
20	1085.0	70.8	60.9	4.1	234.8	15.6			31.7	2.1				
20	1120.1	71.8	60.9	3.9	234.8	15.1			31.7	2.0				
22	1089.1	71.4	80.9	4.0	222.1	14.6			31.7	2.1				
23	985.3	62.7	60.9	3.9	184.0	11.7			31.7	2.0				
-24-1	1029.1	65.4	60.9	3.9	184.0	11.7			31.7	2.0				
26	1042.7	66.2	60.9	3.9	184.0	11.7			31.7	2.0				
-26	1020.0	65.8	59.6	3.8	184.0	11.9			31.7	2.0				
er .	1043.7	67.0	60.9	3.9	184.0	11.8			31.7	2,0				
28	1059.9	69.4	60.9	4.0	184.0	12.0			31.7	2.1				
29	1070.3	69.0	60.9	3.9	184.0	11.9		V Samuel	31.7	2.0				
30			60.9	4.0	184.0	12.0			31.7	2,1				
	1051.7	68.8							31.7	2.0				
340	1004.1	64.6	60.9	3.9	184.0	11.8				2.0	00		0.0	
TOTAL	32,287.1		1,882.8		6,345.3		0.0		945.8		0.0		0.0	
AVERAGE	1,041.5	67.5	80.7	3.9	204.7	13.3	#DIV/0I	#DIV/0!	30.5	2.0	#DIV/0I	#DIV/0I	#DIV/01	#DIV/0I

APPLICABLE TO ALL PLANTS

PWS ID : ____

KY0800273 A

REPORT MONTH/YEAR:

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08/2013

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OF

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	Van Van			all and the M	ANALYTIC	AL RESULTS	mg/L OR I	RM UNLESS		É SPECIFIEI	y .	10/04 P		
		pH		TO*			TAL NESS	TOP		RESIDUAL	NT		TURBIDITY (	
Day	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP		TER FREE	TOTAL		RAW	SETTLED WATER	PLANT TAP
DAY	8.01	7.98	7.86	160	165	231	235	0.98	0.88	2.02	1.96	2.53	0.10	0.05
	8.00	7.95	7.84	164	170	231	226	0.85	0.77	1.83	1.75	2.45	0.09	0.05
A HOUSE	7.99	7.93	7.84	169	173	233	229	0.89	0.80	1.91	1.83	2.21	0.11	0.05
	7.98	7.97	7.86	168	173	238	232	0.93	0.84	1.95	1.87	2.13	0.11	0.05
6	8.00	7.98	7.88	165	169	242	238	1.04	0.95	2.02	1.94	2.04	0.10	0.05
	8.01	7.98	7.87	172	180	240	240	0.85	0.74	1.96	1.87	2.07	0.10	0.05
	8.05	7.99	7.89	185	187	238	236	0.83	0.72	1.90	1.86	1.95	0.09	0.05
i ii	8.02	7.97	7.87	171	175	234	239	0.87	0.78	1.94	1.85	1.87	0.12	0.05
	7.97	7.89	7.82	171	169	235	239	0.73	0.63	1.87	1.79	5.26	0.16	0.06
10	7.76	7.69	7.67	133	139	198	201	0.73	0.63	1.95	1.88	90.60	0.14	0.06
11	7.74	7.68	7.62	142	138	201	204	0.93	0.83	2.02	1.92	65.70	0.13	0.05
12	7.79	7.70	7.65	147	144	203	207	1.17	1.07	2.03	1,93	39.30	0.19	0.06
13	7.82	7.74	7.70	137	139	213	218	1.01	0.90	1.95	1.86	21.80	0.20	0.06
14	7.84	7.73	7.66	150	150	215	218	1.01	0.88	2.02	1.92	18.40	0.19	0.06
18	7.91	7.75	7.66	135	138	211	216	0.94	0.85	1.97	1.88	14.30	0.16	0.05
16	7.88	7.73	7.66	139	143	205	208	1.23	1.14	2.02	1.93	10.10	0.20	0.05
17	7.85	7.72	7.65	139	142	212	216	1.18	1.10	1.97	1.89	7.85	0.14	0.05
(* 10 m) 18	7.83	7.73	7.64	151	146	212	218	1.00	0.91	1.96	1.88	6.36	0.12	0.05
19	7.84	7.72	7.66	150	147	208	213	0.93	0.87	1.81	1.75	5.30	0.16	0.05
720	7.83	7.75	7.70	145	140	212	214	0.98	0.88	2.08	1.97	12.10	0.19	0.06
23,	7.77	7.77	7.68	158	155	205	202	0.87	0.76	1.90	1.83	13.10	0.17	0.06
222	7.75	7.76	7.66	136	141	206	210	0.98	0.89	1.99	1.93	10.00	0.18	0.05
23	7.74	7.68	7.61	140	136	203	207	1.10	1.01	2.02	1.91	8.56	0.14	0.05
26	7.70	7.62	7.60	132	135	195	198	1.08	0.99	1.98	1.90	15.20	0.14	0.06
28	7.63	7.60	7.57	130	134	184	187	0.99	0.91	1.95	1.85	15.50	0.16	0.05
26	7.58	7.56	7,56	127	125	180	184	1.10	1.04	2.06	2.01	17.20	0.22	0.07
Ä	7.54	7.65	7.55	128	123	175	170	0.96	0.86	1.98	1.98	14.40	0.23	0.05
28	7.52	7.58	7.53	138	133	175	169	0.96	0.84	1.94	1,87	12.10	0.16	0.05
28 % 29	7.47	7.55	7.52	124	120	175	179	1.05	0.96	1.96	1.87	10.80	0.16	0.05
30	7.40	7.48	7.42	115	118	167	171	1.09	0.98	2.04	1.95	9.17	0.15	0.05
440	7.44	7.49	7.45	118	120	168	168	1.16	1.05	2.04	1.93	8.09	0.12	0.05
AVERAGE	7.8	7.8	7.7	146	147	208	209	0.98	0.89	1.97	1.89	14.47	0.15	0.05

### OPTIONAL INFORMATION Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

PLANT ID: ____

): A

DRINKING WATER BRANCH

AGENCY INTEREST: 2
REPORT MONTH/YEAR:

08/2013

WATER TREATMENT PLANT MONTHLY OPERATION REPORT AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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OF 1

<b>新教</b>		W. H. W.			Jen Variot	AN	ALYTICAL	enesuors (kau)							
	RAW		SEDIM		BASIN EFFL	.UENT		INDIVIDUAL FILTER EFFLUENT DAILY MAXIMUM							CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	#3	IAXIMUM #4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
(1)	2.53		0.11	0.13						0.06	0.06	0.07	0.06		0.05
2	2.45		0.10	0.13						0.05	0.06	0.10	0.06		0.06
3(	2.21		0.15	0.16						0.05	0.05	0.06	0.05		0.05
a i	2.13		0.12	0.14						0.06	0.06	0.16	0.05		0.05
14.6	2.04		0.11	0.17						0.06	0.06	0.07	0.06		0.05
	2.07		0.09	0.17						0.06	0.06	0.07	0.06		0.05
7	1.95		0.10	0.12						0.06	0.06	0.07	0.06		0.05
8	1.87		0.12	0.17						0.06	0.06	0.07	0.05		0.05
n'g	5.26		0.23	0.28						0.08	0.09	0.14	0.08		0.08
10	90.60		0.19	0.31						0.07	0.07	0.10	0.08		0.07
10	65.70		0.16	0.17						0.06	0.06	0.07	0.06		0.06
12	39.30		0.19	0.38						0.07	0.06	0.10	0.07		0.07
13)	21.80		0.47	0.17						0.06	0.06	0.08	0.08		0.06
Advet	18.40		0.37	0.24						0.05	0.06	0.11	0.07		0.05
15	14.30		0.23	0.24						0.06	0.06	0.07	0.06		0.05
18	10.10		0.55	0.35						0.06	0.06	0.08	0.05		0.06
17	7.85		0.21	0.17						0.05	0.06	0.06	0.05		0.05
18	6.36		0.20	0.15						0.05	0.05	0.10	0.06		0.05
19.	5.30		0.26	0.15						0.05	0.06	0.06	0.05		0.06
20	12.10		0.26	0.19						0.06	0.06	0.08	0.05		0.06
1.31,	13.10		0.22	0.19						0.05	0.09	0.09	0.06		0.06
25.5	10.00		0.32	0.18						0.05	0.08	0.12	0.07		0.08
73	8.56		0.22	0.20						0.05	0.07	0.06	0.06		0.08
24g	15.20		0.16	0.18						0.06	0.08	0.07	0.06		0.09
26	15.50		0.17	0.26						0.06	0.07	0.06	0.06		0.09
26	17.20		0.28	0.34						0.06	0.07	0.12	0.08		0.10
27	14.40		0.24	0.32						0.05	0.07	0.08	0.07		0.10
28	12.10		0.20	0.19						0.06	0.07	0.07	0.06		0.07
219	10.80		0.24	0.22						0.05	0.07	0.07	0.06		0.07
50	9.17		0.21	0.18						0.06	0.07	0.08	0.07		0.07
31	8.09		0.15	0.17						0.06	0.07	0.06	0.06		0.07
AVERAG	E 14.5	#DIV/0!	0.2	0	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.06	0.07	0.08	0.06	#DIV/0!	0.06

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

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08/2013

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OF

*Please answer Y/N question bel	low this chart.
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	FLUC	ORIDE	IR	ON	MAN	IGANESE			Chlorine Residual Plant Tap	RAINFALL	TEMP.
									On-Line Chiorine Analyzer		DEGREES
DAY	RAW	ТАР	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1.70	0.34	0.99	0.09	0.03	0.08	0.01			1.75	0.0	24.4
2-	0.43	0.97	0.06	0.03	0.09	0.01				0.0	24.6
3.7	0.42	0.97	0.07	0.03	0.10	0.01			1.65	0.0	24.5
4 :-	0.29	1.02	0.05	0.03	0.08	0.01			1.70	0.0	25.2
= 5	0.38	1.08	0.08	0.03	0.07	0.01			1.80	0.0	24.8
6.	0.45	1.02	0.07	0.03	0.07	0.01			1.65	0.0	24.6
$i_{\gamma}$ .	0.35	1.00	0.05	0.03	0.07	0.01			1.75	0.2	25.2
8	0.43	0.97	0.05	0.03	0.09	0.01				0.0	25.4
9	0.32	1.05	0.08	0.03	0.10	0.01			1.60	1.0	24.9
10	0.00	0.81	1.02	0.03	0.47	0.01			1.70	1.3	24.3
2011 = C	0.00	0.87	0.85	0.03	0.32	0.01			1.65	0.2	24.3
12	0.00	0.98	0.48	0.03	0.22	0.01			1.80	0.7	24.3
130	0.19	0.68	0.29	0.03	0.13	0.01			1.60	0.4	24.2
14	0.04	0.73	0.31	0.03	0.13	0.01			1.75	0.0	24.1
15)	0.68	1.20	0.24	0.03	0.11	0.01			1.60	0.1	24.8
16	0.21	0.97	0.16	0.03	0.08	0.01			1.75	0.0	23.9
47	0.25	1.04	0.12	0.03	0.08	0.01			1.75	0.0	24.0
48	0.24	0.98	0.10	0.03	0.06	0.01			1.70	0.0 0.7 0.4 0.3	23.9
19	0.30	1.04	0.10	0.03	0.06	0.01			1.75	0.4	23.8
20	0.18	0.91	0.22	0.03	0.22	0.01			1.80	0.3	23.7
21	0.07	1.05	0.24	0.03	0.11	0.02			1.35	0.0	24.2
22	0.18	0.93	0.15	0.03	0.09	0.01			1./5	0.4	23.9
23	0.20	1.03	0.14	0.03	0.10	0.01			1.75	2.0	24.0
24	0.13	0.93	0.24	0.03	0.11	0.01			1.75	0.0	23.9
25	0.15	0.75	0.28	0.03	0.14	0.01			1.70	0.0	24.1
26	0.06	0.66	0.22	0.03	0.14	0.01			1.10	0.0	23.8
2.7	0.12	0.59	0.23	0.03	0.08	0.01			1.80	0.0	24.0
28	0.16	0.61	0.19	0.03	0.11	0.01			1.85	0.0	24.0
29	0.24	0.73	0.19	0.03	0.11	0.01			1.75	0.0	23.9
30	0.20	0.80	0.17	0.03	0.12	0.01			1.70	0.0	24.0
31	0.18	1.22	0.15	0.03	0.12	0.01			1.85	0.2	24.3
AVERAGE	0.23	0.92	0.22	0.03	0.12	0.01	#DIV/0!	#DIV/0I	-Monthly Minimum	Rainfalli Rainfalli	24.3

Number of readings 31

For Free Chlorine, # less than 0.2 mg/L 0

For Chloramines, # less than 0.5 mg/L

1.35

7.63

Disinfectant Chloramines? (Y/N)

N

APPLICABLE TO ALL PLANTS WITH FIRTHANDON
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PWS ID : KY0800273
PLANT ID: A

OF

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REPORT MONTH/YEAR: 08/2013

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				k::	2. Feb.	FREIDE OF ER					Mine San M
1	TOTAL	No:	3	No:	4	No:	180	No: AREA (square feet)	160	No; AREA (square feet)	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	180 FILT RUN	AREA (square feet) WABHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLONS	HRS	GALLON8	HRS	GALLON8	HRS	GALLON8	HRS	GALLONS	HRB
Le (	0										
, 2. 3	32,000				Helikii —	16,000	98.70	16,000	98.70		
÷ 3	0										
•	32,000	16,000	94.60	16,000	94.60						
<b>-</b> 5	0										
6	31,000					15,000	94.80	16,000	94.80		
7	0										
8	31,000	16,000	95.00	15,000	95.00						
9	0										
10	31,000					15,000	94.70	16,000	94.70		
.14	0									(m) (***********************************	
12	30,000	15,000	94.60	15,000	94.60						
131	0										
14	35,000					18,000	94.80	17,000	94.80		
16	0										
1.5	30,000	15,000	94.60	15,000	94.60				ļ		
17	0			1010							
18	31,000					16,000	94.70	15,000	94.70		
19	0										-
20	30,000	15,000	95.20	15,000	95.20						1
24	0								ļ		
222.7	32,000					16,000	95.20	16,000	95.20		
.23	0										
24	31,000	16,000	94.60	15,000	94.60						
25	0										
26	30,000					15,000	94.80	15,000	94.80		
27	0										
28	30,000	15,000	94.80	15,000	94.80						
29.	0										
	30,000					15,000	95.20	15,000	95.20		
30	0										
TOTAL	0000 M000	108,000	663.40	106,000	663.40	126,000	762.90	126,000	762.90	0	0.00
AVERAGE		15,429	94.771	15,143	94.771	15,750	95.363	15,750	95.363	#DIV/0!	#DIV/0!
			-ATTE	CORY AS NE							

COPY AS NEEDED

ALL WATER SYSTEMS

KY0800273 PWS ID: PLANT ID:

REPORT MONTH/YEAR:

08/2013

11

PAGE OF DESTRIBUTION SYSTEM OPERATION TO THE TRANSPORT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHLORINE EAST NORTH BOOSTER BOOSTER DAY LBS LB8 T 0.57 0.70 1.24 1.46 1.36 1.40 1.32 1.32 0.64 0.54 1.29 1.22 1.01 0.88 0.76 0.86 2. 0.80 0.73 1.29 1.21 3 4 1.35 1.26 0.93 0.65 1.28 0.67 1.41 1.36 1.34 0.78 1.22 1.30 .5 1.10 1,41 1.16 1.05 1.46 1.09 1.42 1.34 0.63 1.44 0.76 0.63 0.49 1.56 16:3 1.28 1.18 1.41 1.37 1.42 1,39 1.35 1,23 1.14 1.42 0.87 0.95 1.12 0.88 0.79 1.04 0.98 1.21 8 1.26 0.73 0.63 0.97 0.87 1.35 1.34 1.24 0.57 0.47 1.16 1,08 1.38 1.34 1.07 0.98 1.01 1.09 0.94 0.88 1.40 1.30 1.14 1.06 Part 1 1.31 1.37 1.26 1.41 1.05 0.95 1.03 0.95 112 1.09 1.38 1.28 1.24 1.27 1.18 1.11 1.20 1.30 1.31 1.21 1,40 1.23 1.34 1.28 1.18 116 1.05 0.93 1.10 1.02 1.37 1.27 1.46 1.36 0.98 0.92 0.86 0.76 1.28 1.02 0.91 1.38 1.30 1.22 ed pie j 1.19 1.10 1.28 1.19 1.37 1.29 1.07 1.17 1.46 1.40 0.48 1.43 1.34 0.53 Tt. 19 0.59 0.68 1.44 1.40 1.48 1.39 1.46 1.36 0.53 0.66 0.43 1.41 1.32 1.04 0.94 0.54 1.13 1.48 1.19 1.21 1.53 1.35 1.41 1.34 22 1.12 0.47 0.37 1.47 1.38 1.22 0.98 0.87 0.20 0.28 0.91 0.85 1.32 1.23 1.22 1,30 0.80 1.00 0.93 1.54 1.45 0.92 1 17 1.09 124 1.17 1.25 1,15 1.06 1.37 1.32 1.10 1.05 25 1.26 1.09 1.04 1.32 1.00 1.08 0.97 1.08 1.10 1.04 1.25 1.20 0.95 1.36 0.98 1.40 27 1.00 1.34 1.28 No. 1.08 1.32 1.26 1.17 1.11 1.37 1.31 1.21 1.15 0.89 0.82 1.40 1.29 0.98 1.18 1.05 1.08 0.50 0.42 1.29 1.18 1.30 1.52 1.46 1.38 0.98 0.86 1.38 1.32 1.01 1.18 1.09 1.00 1.25 1.09 #DIV/0I #DIV/0I 1.22 1.13 AVERAGE Average 0.28 0.54 0.47 0.0 0.0 0.86 TOTAL 0.20 Free Minimum 0.43 0.37 0.76

31

31

0.20 Number of Free Residuals 124 Residual Minimum Monthly Total 0.28 Number of Total Residuals 124 Total # Less than 0.2 mg/L 0

Total # Chlorine Samples

Total # Less than 0.5 mg/L

31

Disinfectant Chloramines? (Y/N) Number of days of operation?

31



31

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID:	KY080	00273	<u>-</u>		
	TURBIDITY	REPORT		The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co		PLANT ID:	Α				
	APPLICA	BLE TO ALL PL	ANTENDED TO THE PARTY OF THE	THE REAL PROPERTY AND ADDRESS.	Report Period	(MM/YYYY):	08/2	013	PAGE:		
	Name:		County Water I	District	=	:			8 OF <u>11</u>		
DAY	Hours Plant Operator	# of Turbicity Sumpley Requireb	z Mid 4 am	51-4 am - 8 am	B din - Ngon	Noonsalam	4 rm - 8 pm	8 pm : Mid	Daily. Maximum		
	24.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.053		
2	24.0	6	0.05	0.06	0.05	0.04	0.04	0.04	0.060		
37	24.0	6	0.04	0.04	0.05	0.03	0.04	0.04	0.050		
A	23.5	6	0.04	0.04	0.04	0.04	0.04	0.05	0.047		
5	24.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.051		
b	23.0	6	0.05	0.05	0.04	0.04	0.04	0.05	0.050		
7	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.048		
	24.0	6	0.05	0.05	0.05	0.04	0.05	0.05	0.049		
(9)	24.0	6	0.05	0.05	0.05	0.05	0.07	0.08	0.080		
10	24.0	6	0.07	0.06	0.05	0.05	0.05	0.05	0.070		
117	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.056		
112	24.0	6	0.06	0.06	0.06	0.05	0.05	0.07	0.068		
His	24.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.059		
14	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.054		
16	24.0	6	0.05	0.05	0.05	0.04	0.05	0.05	0.050		
74	24.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.060		
7	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050		
13	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053		
19	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.056		
201	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064		
71	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060		
	24.0	6	0.07	0.08	0.06	0.06	0.08	0.07	0.082		
22 23	24.0	6	0.07	0.07	0.07	0.07	0.07	0.08	0.080		
24	24.0	6	0.08	0.09	0.09	0.08	0.08	0.08	0.090		
26	24.0	6	0.08	0.08	0.09	0.07	0.07	0.08	0.085		
26	23.5	6	0.08	0.10	0.10	0.09	0.08	0.09	0.102		
27	24.0	6	0.09	0.10	0.09	0.08	0.06	0.06	0.099		
Z8;	24.0	6	0.07	0.07	0.07	0.06	0.06	0.06	0.070		
29	24.0	6	0.06	0.06	0.07	0.06	0.06	0.07	0.070		
00	24.0	6	0.06	0.07	0.06	0.06	0.05	0.06	0.070		
21%	24.0	6	0.06	0.06	0.06	0.06	0.07	0.06	0.070		
Total	742.0	186			TO'	AL # OF TURBIDITY	SAMPLES TAKEN	186	0.102		
		ER CONVENTION	AL or DIRECT FIL	TRATION? (Y/I	۱) Y						
	pe of filtration besides		0.4 NTU	2	0.3 NTU	0	1 NTU	0			
NUII	ber of samples	_			_				<u> </u>		
		litration, the numb		•	1 NTU		5 NTU		#		
*NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.											
•			nge wate takes	oveni A hours	during plant opera	tion and in the	ime frames note	d above			
cen	ny mat mp abo	7. Q	Vere taken	every 4 Hours	outing plant opera	and in the t	09-05-		A		
	Signature of Prin	cipal Executive Off	icer or Authorized	Agent		55 (	Da		-		
			./								

	AP	PLICABLE TO ALL	SURFACE WATER P	LANTS WITH FILTRATION .	
INDIVIDUAL FILTER TURBIDITY EXCEEDANCE REPORT					
PWS Name:	Martin County Water District				
PWS ID:	KY0800273				
PLANT ID:	A			8	
Report Period (MM/YYY	Y): 08/20 ⁻		2013	6	
If any filter exceeded any one of the individual filter turbidity triggers below, (also listed on the Summary Sheet ), complete the following and submit the appropriate report(s).  PAGE 9 OF 11					
. Date	File Number	Turbidity Reading (NTG)	Trigger Level (see helow)	Reason for Exceedance (if known)	State and Time State was Contacted;
2000	11.55 31.511.53		All the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th		
		11-11-11			
				10,000	
	***			1111	30190
11-10-0119					1
				1000	
			·		

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
- exceedance
  For Trigger D.: Filter number, the t
  - Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
    - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY)	yyy) 08/2013			
	·····	NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL O	F THE FIELDS ARE PRE-			
<b>自己</b>		 	ANTINE	POPULATED FOR YOU!!!				
0.70 Pt. 05 11072 1205			CABLE TO	O ALL PLANTS	EE 007 000			
PLANT ID A				TAL WATER TREATED (gallons)	57,397,000			
AGENCY INTER	Martin County V EST 2987	Vater District	-	AVE. DAILY PRODUCTION (gallons) 1,851,516  MAXIMUM PUMPAGE (gallons per day) 1,888,000				
AGENCY INTER	2907		IVIA	XIIVOW 1 OWN ACE (gallons per cay)				
		APPLICABLE TO	LITER E	FREUENT FURBIDITY: ANTS WITH FILTRATION				
Were measurem Was there a failu If Yes, (1) w (2) w Was individual fil Was individual fil Was individual fil If any of the last APPLIC ANALYTE CODE Number of hours	nonitored continuously? ('ents recorded every 15 m are of the continuous monere individual filter effluer as the continuously monitater level greater than 1.0 atter level greater than 1.0 atter level greater than 2.0 at 4 boxes are YES, fill of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of the term of t	Y/N) inutes? (Y/N) itoring equipment? ( it turbidity grab samp oring equipment repa NTU in two consecut NTU in two consecut NTU in two consecut NTU in two consecut NTU in two consecut it the Individual Fili	Y/N) les collectered within tive meastive meastive meastive meastive Turbi	ted every four hours of operation? (Y/N) in 5 working days? (Y/N) urements? (Y/N) urements after on line for more than four h urements in three consecutive months? (Y/N) dity Sheet and submit with the MOR  ENTRY FOINT RESIDUAL DISINEE APPLICABLE TO AL  ANALYTE CODE 0999 Number of days of plant operation	(/N)N N N N N N N N N N N N N N N N N			
Were samples ta Number of samp	aken every 4 hours of plar des taken	nt operation? (Y/N)	Y 186	Were samples taken each day of operation Number of lowest chlorine samples record	ded31			
Highest single tu	***********		0.10	Lowest single chlorine reading  If less than required:	1.35			
	xcept slow sand filtration: amples exceeded 0.1 NTU		2	Was residual restored within 4 hours of p	lant operation? (Y/N)			
	imples exceeded 0.3 NTU	**************	0	Free Chlorine (for all disinfectants except	: chloromine):			
1	amples exceeded 1 NTU		0	Number of samples under 0.2 mg/L				
	s slow sand filtration: amples exceeded 1 NTU			Total Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L	amme):			
	amples exceeded 5 NTU							
CHLOR	INE DIGXIDE ENTRY 20	DINT MONITORING	n-4xes	CHEORITE ENTRY POINA	HMONE CRUNG			
APPLICABL	E TO PLANTS UTILIZIN	G CHLORINE DIOX	DE	APPLICABLE TO PLANTS UTILIZII	NG CHLORINE DIOXIDE			
ANALYTE CODI			31	ANALYTE CODE 1009  Number of days of plant operation	31			
	of plant operation aken each day of operation	n? (Y/N)	-1	Were samples taken each day of operation				
Number of samp			0	Number of camples taken				
Highest single cl	hlorine dioxide reading		0.00	Highest single chlorite reading	0.00			
Number of chlor	ine dioxide samples exce	eded 0.8 mg/L	0	Number of chlorite samples exceeded 1	mg/L			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am ewere that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent 09-05-2014

Date

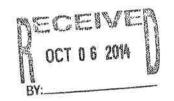
## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PW	IS ID	KY0800273				MONITORING F	PERIOD (MMYYYY	08/2013
ΑI	2987		NOTE: COMPLI	ETE ALL	APPL	ICABLE FIELDS!	NOT ALL OF T	HE FIELDS ARE PRE-
		<del>#</del> )				POPULATED FOR		
		PURCHAS	EO				SOLD-	
					L WAT	ER SYSTEMS		
	FROM WHO	M? (PWS ID)	HOW MUCH? (gallon	is)		TO WHOM? (PWS	ID) HOV	V MUCH? (gallons)
	WV3303003			0	-			
	KY0980575			0				
100								
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X			DISTRIBUTION RESID	DUALDIS	INFEC	TANT CONCENTRA	TION	
		2000	APPLICAB	LE TO AL	L WA	ER SYSTEMS		
	ALYTE CODE			0.4	Eroo	Chlorine (for all disin	factanta evcent chi	oramina)
	mber of days o		tion? (V/N)	31  Y		umber of samples un		0
		ken each day of opera	(T/N)	1			-	
	mber of sample			124		Chlorine (when disinumber of samples un		ie <i>)</i>
1	FREE		,,,	124	IAI	amper or samples un		
11	4 50 40 40 40 40 40	EE chlorine reading	****************	0.20				
	-	_		0.28				
I FOM	ves(single (U	TAL chlorine reading		U.20				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

09-05-2014 Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

PWS NAME:  BENCY INTEREST (AI):  SOURCE NAME:  OF  WTP SHIFT 1:  WTP SHIFT 2:	Martin County Water District 2987  Crum Reservoir  Tug Fork  ERATOR(S) RESPONSIBLE / IN-CHARGE Earl T Alley	PLANT CLASS: 3 DATE MAILED: COUNTY:	10-03-2014 Martin
SOURCE NAME: OF WTP SHIFT 1:	Crum Reservoir Tug Fork ERATOR(S) RESPONSIBLE / IN-CHARGE	COUNTY:	Martin
OF WTP SHIFT 1:	Tug Fork ERATOR(S) RESPONSIBLE / IN-CHARGE		
WTP SHIFT 1:	ERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	
WTP SHIFT 1:	* *	CLASS	
-	Earl T Alley		CERTIFICATION NUMBER
WTP SHIFT 2:		1V-A	17562
	Michael Sartin	1V-A	21944
WTP SHIFT 3:	Jerry L Belcher	1V-A	21719
TREATMENT PLANTS COM			: MONTH.
I. DESIGN CAPACITY (gpm):		667	
2. TYPE OF FILTRATION USED:	-	Media 66	
3. DESIGN FILTRATION RATE (gpr		.9	
4. PERCENT BACKWASH WATER 5. DATE FLOCCULATION BASIN(S	10.04040	#3 - 9/2/ 09	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE



APPLICABLE TO ALL PLANTS.

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 09/2014
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	Alexander of the second			- A CONTRACT					PAGE	7	OF	11
	RAW WATER	HOURS PLANT	COAG			ULANT	ULGA Hq		DISINFE	DISINFECTANT		CTANT
DAY	TREATED GALLONS	OPERATED	LBS	PPM	LBS	PPM	LBS	re PPM	LBS	PPM	LBS Po	PPM
1	1,853,000	23.5	265.4	17.2	4,1	0.3	Loc	1,1,1,1	848.6	54.9	170.0	11.0
2	1,864,000	24.0	257.4	16.6	4.2	0.3			853.0	54.9	172.8	11.1
3	1,827,000	24.0	257.4	16.9	4,2	0.3			843.7	55.4	173.0	11,4
4	1,860,000	24.0	224.2	14.5	4.2	0.3			868.2	56.0	173.3	11.2
	1,855,000	24.0	224.2	14.5	4.2	0.3			853.1	55.1	182,0	11.8
	1,859,000	24.0	224.2	14.5	4.2	0.3			854.5	55.1	177.3	11.4
	1,827,000	24.0	224.2	14.7	4.2	0.3			857.6	56.3	183.2	12.0
	1,852,000	24.0	224.2	14.5	4.2	0.3			869.0	56.3	169.2	11.0
	1,845,000	23.5	219.5	14.3	2.3	0.1			830.4	54.0	162,2	10.5
o 🐺	1,843,000	24.0	224.2	14,6	0.0				831.0	54.1	169.2	11.0
7	1,826,000	24.0	224.2	14.7	0.0				781.0	51.3	169.2	11.1
2	1,857,000	24.0	224.2	14.5	0.0				754.3	48.7	169.2	10.9
3	1,793,000	24.0	224.2	15,0	0.0				684.3	45.8	169.2	11.3
i L	1,838,000	24.0	224.2	14.6	0.0				733.9	47.9	165.5	10,8
	1,794,000	24.0	224.2	15.0	0.0		7		694.6	46.4	159.8	10.
312	1,840,000	24.0	224.2	14.6	1.1	0,1			589.9	38.4	159.8	10.4
7	1,788,000	24.0	224.2	15.0	4.2	0.3			598.8	40.2	171.4	11.8
	1,825,000	24.0	224.2	14.7	4.2	0,3			608,0	39.9	168.4	11.1
9.	1,798,000	24.0	224.2	15.0	4.2	0.3			560,4	37.4	174.5	11.6
0	1,841,000	24.0	224.2	14.6	4.2	0.3			581.1	37.8	189.4	12.5
	1,800,000	24.0	224.2	14.9	4.2	0.3			551.2	36.7	177.3	11.8
2	1,841,000	24.0	224.2	14.6	4.2	0.3			555.8	36.2	167.3	10.
3	1,788,000	24.0	181.0	12.1	4.2	0.3			596.7	40.0	190.0	12.
<b>C</b>	1,828,000	24.0	155.0	10.2	4.2	0.3			632.3	41.5	190.0	12.
6	1,785,000	24.0	155.0	10.4	4.2	0.3	-		623.8	41.9	201.9	13.6
6	1,817,000	24.0	155.0	10.2	4.2	0.3	ļ		596,6	39.4	199.2	13,
7	1,773,000	24.0	155.0	10.5	4.2	0.3			591.9	40.0	183,3	12,
B S	1,772,000	24.0	155.0	10.5	4.2	0.3	-		555.8	37.6	161,9	11.0
845610	1,760,000	23.5	151.8	10.3	4.1	0.3			569.1	38.8	158.2	10.0
0	1,750,000	24.0	155.0	10.6	4.2	0.3			546.8	37.5	159.8	10.9
TAL	54,599,000		6298.3		95.5		0.0		20915.4		5217.5	
RAGE	1,819,967		209.9	13.8	3.2	0,3	#DIV/0I	#DIV/0I	697.2	45.8	173.9	11.8

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS	

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 09/2014

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		7.5					EMICALS ADDE	6 44 17						
	DISINFE	CTANT	FLUO	RIDE	CARI	BON	pH ADJ	USTMENT	км	nO ₄	CORRO		H2	02
							Ро	st						
DAY	LBS	PPM	LBS	РРМ	LBS	PPM	LBB	РРМ	LB8	РРМ	LBS	PPM	LBS	PPM
1	1018.6	65.9	59.6	3.9	180,2	11:7			31.0	2,0				
2	1031.8	66.4	60.9	3.9	184.0	11.8			31.7	2,0				
	1016.7	66.7	60.9	4,0	184.0	12.1			31.7	2.1				
4	1041.5	67,1	60.9	3.9	184.0	11.9			31.7	2.0				
/5 //	1035,1	66.9	60.9	3.9	184.0	11.9			31.7	2.0				
6.12	1031.8	66.6	60.9	3.9	184.0	11.9			31.7	2.0				
	1040.8	68.3	60.9	4.0	184.0	12.1			31.7	2.1				
6.0	1038.2	67.2	60.9	3.9	184.0	11.9			31.7	2.1				
F N	992.6	64.5	59.6	3.9	126.6	8.2			31.0	2.0				
10	1000.2	65.1	60,9	4.0	0.0				31.7	2.1				
SH	950.2	62.4	60.9	4.0	0.0				31.7	2.1				
¥ .,	923.5	59.6	60,9	3.9	0.0				22.5	1.5				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
19.1	853,5	57.1	80.9	4.1	39.7	2.7			6,6	0.4				
	899.4	58.7	60.9	4.0	95.1	6.2			15,8	1.0				
16 16	854.4	57.1	60,9	4.1	95.1	6.4			15.8	1.1				
16	749.7	48.9	60.9	4.0	95.1	6.2			15.8	1.0				
17	770.2	51.6	60.9	4.1	95.1	6,4			15.8	1.1		o .		
18	776.4	51.0	60.9	4.0	95.1	6.2			15.8	1.0				
- 16	734.9	49.0	60.9	4.1	95,1	6.3			15.8	1,1				
20	770,5	50.2	60.9	4.0	95.1	6.2			15.8	1.0				
20 23	728.5	48.5	60.9	4.1	95.1	6.3			15.8	1,1				
-22	723.1	47.1	60.9	4.0	95.1	6,2			15.8	1.0				
2,5	786.7	52.8	60,9	4.1	95.1	6.4			15.8	1,1				
24	822.3	53.9	60.9	4-0	95.1	6.2			15.8	1.0				
25	825.7	55.5	60.9	4.1	95.1	6,4			15.8	1.1				
26	795.8	52.5	60.9	4.0	95.2	6.3			15.9	1.0				
(7/	775.2	52.4	60.9	4.1	95.2	6.4			15.9	1.1				
28. 12.1	717.7	48.8	60.9	4,1	95.2	6.4			15.9	1,1				
) 1 29	727.3	49.5	59.6	4,1	93.3	6.4			15.6	1.1				
29 130 -	706.6	48.4	60.9	4.2	95.2	6.5			15.9	1,1				
, (1)														
TOTAL	26,138.9		1,823.1		3,249.8		0.0		645.3		0.0		0.0	
AVERAGE	871.3	57.3	60.8	4.0	108.3	7.9	#DIV/0!	#DIV/0!	21.5	1.4	#DIV/01	#DIV/01	#DIV/0!	#DIV/01

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID:

OF

KY0800273 A

REPORT MONTH/YEAR:

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	-	pН		ALKAI	TAL LINITY	TO'		TOP		PLA			1	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	TAP
100 - 100 A	7.45	7.54	7.46	103	107	176	179	1.03	0.96	1.92	1.83	6.71	0.15	0.05
2.1	7.45	7.51	7.44	109	113	177	181	1,12	1.03	2.06	1.97	5.74	0.14	0.05
5	7.43	7.53	7.43	127	121	180	175	1.08	0.96	2.02	1.94	5.44	0.14	0.05
4	7.46	7.52	7.42	125	120	170	167	1,15	1.04	2.04	1.96	4.67	0.13	0.05
6	7.39	7.53	7.44	117	115	182	185	0.99	0.89	1.94	1.85	4.76	0.13	0.05
6	7.45	7.50	7.44	116	114	184	187	1.12	1.04	2.04	1.93	5.07	0.11	0.05
7	7.45	7.52	7.46	117	119	183	186	1.06	0.98	1.97	1.90	5.49	0.10	0.05
2 - 1 1 - 2	7.45	7.55	7.44	114	116	177	182	1.30	1.23	2.01	1.95	6.21	0.15	0.05
18	7.46	7.56	7.44	108	112	182	186	1.09	1.02	1.99	1.89	6.15	0.13	0.05
107	7.58	7.66	7.52	108	114	180	178	1.20	1.09	2.08	1.97	6.17	0.14	0.06
100	7.59	7.62	7.51	110	115	177	173	1.13	1.02	2.00	1,92	5.34	0.15	0.06
12	7.59	7.63	7.52	116	120	180	186	1.03	0.97	1.95	1.85	8.46	0.19	0.05
13.	7,61	7.65	7.54	110	116	190	184	1.05	0.94	2.00	1.91	9.10	0.15	0.06
, ja =	7.69	7.67	7.57	120	118	185	180	1.06	0.97	2.04	1.94	4.25	0.14	0.05
15 16	7.69	7.70	7.60	121	125	185	190	1.15	1.07	1.99	1.90	4.93	0.17	0.06
16	7.75	7.75	7.62	115	119	185	189	1.10	1.03	1.99	1.91	4.04	0.12	0.05
17	7.75	7.76	7.63	128	122	195	190	1.00	0.89	1.94	1.87	3.78	0.13	0.05
181	7.74	7.78	7.67	130	128	195	188	1.06	0.98	1.97	1.92	3.04	0.15	0.06
19	7.76	7.79	7.66	120	123	191	195	0.89	0.82	1.87	1.79	2.70	0.13	0.06
20	7.77	7.81	7.68	126	130	196	200	0.93	0.85	1.92	1.86	2.45	0.12	0.05
21,	7.80	7.82	7.69	128	131	192	197	0.94	0.87	1.90	1,82	2.23	0.11	0.05
22	7.81	7.81	7.74	129	133	200	204	0.85	0.78	1.92	1.83	2.18	0.11	0.05
-28 (g)	7.85	7.84	7.79	135	139	208	211	0.82	0.76	1.87	1.81	1,93	0.11	0.05
24	7.84	7.90	7.80	135	130	220	208	0.91	0.81	1,91	1.83	1.65	0.11	0.05
25	7.87	7.87	7.78	135	131	210	200	0.92	0.82	1.95	1.88	1.44	0.10	0.05
28	7.88	7.86	7.79	145	141	210	214	1.09	1.02	2.03	1.95	1.42	0.10	0,05
27	7.86	7.83	7.77	133	136	208	211	0.99	0.91	2.05	1.96	1.48	0.10	0.05
28	7.86	7.82	7.78	135	138	204	208	0.98	0.91	2.01	1.94	1.31	0.09	0.05
29	7.85	7.84	7.78	126	129	208	213	1.01	0.93	2.01	1.95	1.29	0.10	0.05
30	7.83	7.86	7.78	130	133	197	202	1.12	1.05	2.04	1.97	1.23	0.10	0.05
AVERAG	E 7.7	7.7	7.6	122	124	191	192	1.04	0.95	1.98	1.90	4.02	0.13	0.05

### THE OPTIONAL INFORMATION Surface Water Plants Only

PWS ID: KY0800273

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KENTUCKY DIVISION OF WATER

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

DRINKING WATER BRANCH

PLANT ID: AGENCY INTEREST:

09/2014

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

COPY PAGE AS NEEDED

REPORT MONTH/YEAR:

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	SMAHIT SAL	38840	C/0/A//	( - 0.200)	elia (1	er AN	ALYTICAL	L RESULTS (NYU):							
	RAW		SEDIM		BASIN EFFL	LUENT					L FILTER E				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	#3	AXIMUM #4	#5	#6	#1	#2	#3	ILY MAXIMI	JM #5	#6	47	MAXIMUM
	6.71		0.22	0.17						0.06	0.07	0.06	0.06		0.07
	5.74		0.15	0.24						0.06	0.06	0.06	0.06		0.07
-3	5.44		0.14	0.24						0.05	0.06	0.09	0.09		0.07
4 .	4.67		0.18	0.16						0.05	0.06	0.06	0.06		0.05
6	4.76		0.16	0.18						0.05	0.06	0.06	0.06		0.06
.67	5.07		0.15	0.12						0.05	0.06	0.06	0.06		0.06
7	5.49		0.13	0.15						0.06	0.05	0.10	0.06		0.06
	6.21		0.17	0.31						0.05	0.06	0.06	0.06		0.06
9	6.15		0.14	0.16						0.06	0.07	0.08	0.06		0.07
T=10	6.17		0.13	0.26						0.06	0.07	0.08	0.06		0.07
101	5.34		0.17	0.25						0.06	0.06	0.08	0.08		0.09
12	8.46		0.23	0.60						0.06	0.06	0.10	0.09		0.08
113	9.10		0.21	0.33						0.07	0.07	0.08	0.08		0.07
e-14	4.25		0.14	0.34						0.06	0.06	0.08	0.10		0.07
15	4.93		0.22	0.45						0.06	0.06	0.12	0.11		0.07
18	4.04		0.13	0.22						0.06	0.06	0.07	0.07		0.06
17.	3.78		0.14	0.17						0.07	0.07	0.09	0.05		0.07
18	3.04	initelli i i i i i i i i i i i i i i i i i i	0.19	0.19						0.06	0.06	0.09	0.05		0.08
19	2.70		0.16	0.16						0.06	0.06	0.09	0.06		0.07
20	2.45		0.12	0.17						0.06	0.06	0.07	0.05		0.07
21	2.23		0.13	0.16						0.07	0.07	0.07	0.04		0,08
22.51	2.18		0.10	0.15						0.06	0.07	0.08	0.04		0.09
4.23	1.93		0.10	0.17						0.06	0.07	0.09	0,06		0.06
24	1.65		0.12	0.15						0.06	0.07	0.07	0.05		0.05
25	1.44		0.09	0.13						0.06	0.08	0.07	0.04		0.05
26.5	1.42		0.11	0.15						0.06	0.07	0.07	0.04		0.05
, i .,	1.48		0.12	0.13						0.06	0.07	0.08	0.05		0.05
pr. 128	1.31		0.15	0.10						0.06	0.06	0.06	0.04	<del>                                     </del>	0.04
29 30 4	1.29		0.13	0.14						0.07	0.06	0.06	0.04		0.05
30	1,23		0.12	0.12						0.06	0.06	0.07	0.04		0.05
1															
AVERAGE	4.0	#DIV/0!	0.1	0	#DIV/01	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	0.06	0.06	0.08	0.06	#DIV/0!	0.06

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

OF

APPLICABLE TO ALEPLANTS

REPORT MONTH/YEAR:

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*Please answer Y/N question	below	this	chart.
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	ELLIC	ORIDE		NALYTIDAL R		OR PPM UNL NGANESE	ESS OTHERW	ise specified	3)1		WATER
	1100	MIDE	"	.014	MA	TORITLOL			Lowest Daily Chlorine Residual	RAINFALL	TEMP.
									Plant Tap On-Line Chlorine	11100	DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	Analyzer FREE / TOTAL	INCHES	F°/C°
1.36	0.29	1.06	0.19	0.03	0.11	0.01			1.80	0.8	24.1
2	0.27	1.06	0.10	0.03	0.13	0.01			1.85	0.1	24.2
3	0.25	1.00	0.03	0.03	0.14	0.01			1.70	<u>ੂੰ</u> 0.8	24.4
4	0.15	0.93	0.26	0.03	0.13	0.01			1.75	0.8 0.0 0.2 0.2 0.2	24.0
5	0.24	1.07	0.10	0.03	0.13	0.01			1.75	0.2	24.3
6	0.25	1.04	0.09	0.03	0.20	0.01			1.75	色 0.2	24.3
7. 7	0.27	1.08	0.09	0.03	0.14	0.01			1.65	0.2	24.4
8	0.18	1.03	0.11	0.03	0.13	0.01			1.75	0.0	24.3
9	0.27	0.96	0.11	0.03	0.14	0.01			1.75	0.0	24.4
10	0.32	1.09	0.11	0.03	0.10	0.01			1.85	0.0	24.7
44	0.36	0.98	0.12	0.03	0.09	0.01			1.70	0.5	24.4
12	0.22	1.08	0.16	0.03	0.08	0.01			1.80	0.8	24.4
13	0.22	1.06	0.16	0.03	0.11	0.01			1.70	0.8	24.5
e-14	0.26	0.93	0.07	0.03	0.08	0.01			1.78	0.0	24.1
1-15	0.17	1.03	0.10	0.03	0.06	0.01			1.75	0.0	23.1
16	0.27	1.08	0.09	0.03	0.05	0.01			1.80	0.0 0.1 0.0	23.1
47.	0.37	0.99	0.12	0.03	0.07	0.01			1.75		22.9
-18	0.31	1.06	0.09	0.03	0.05	0.01			1.70	0.0	22.3
×119	0.35	1.13	0.08	0.03	0.05	0.01			1.75	0.0 0.0 0.0	22.3
20	0.30	1.01	0.09	0.03	0.07	0.01			1.80	0.0	22.1
21	0.27	0.89	0.09	0.03	0.03	0.01			1.70	0.0	22.0
22	0.33	1.07	0.08	0.03	0.02	0.01			1.75	0.0	22.1
2.3	0.29	0,86	0.08	0.03	0.04	0.01			1.75	0.0	22.1
24	0.40	0.73	0.14	0.03	0.06	0.01			1.80	0.0 0.0 0.0 0.0	21.6
25	0.29	0.70	0.04	0.03	0.07	0.01			1.75	0.0	21.5
26	0.28	0.76	0.04	0.03	0.03	0.01			1.80	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	21.5
27	0.37	0.83	0.05	0.03	0.03	0.01			1.75	0.0	21.7
28	0.30	0.77	0.04	0.03	0.04	0.01			1.75	0.0 0.0 0.0	22.0
29	0.24	0.81	0.06	0.03	0.03	0.01			1.75	0.0	22.0
30	0.32	0.92	0.05	0.03	0.04	0.01			1.80		21.6
31									FIRE LAND DE PROPERTY OF	Lotal	
AVERAGE	0.28	0.97	0.10	0.03	0.08	0.01	#DIV/0!	#DIV/0!	Monthly Minimum		23.1

Number of readings 30
For Free Chlorine, # less than 0.2 mg/L 0
For Chloramines, # less than 0.5 mg/L

1.65

3.56

			THE RESERVE OF THE PERSON NAMED IN	
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PWS ID : KY0800273
PLANT ID: A

OF

-000 P/A

REPORT MONTH/YEAR: 09/2014

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PAGE

9				1707	11,	FILTER OPER					CONTRACTOR OF THE PARTY.
	TOTAL	No:	3	No:	160	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILTRUN	WASHWATER	FILT RUN HRS
DAY	GALLONS	GALLON8	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HR9	GALLONS	nks
#/4F	30,000	15,000	94.90	15,000	94.90						
2	0										
3	34,000					17,000	95.70	17,000	95,70		
4	0										
1	30,000	15,000	95	15000.00	95						
в	0										-
7	30,000					15,000	93.90	15,000	94.00		-
8	0										
9	30,000	15,000	94.80	15,000	94.80				<b></b>		
10.	0										
- 44	30,000				V	15,000	95.00	15,000	95.00		
12	0	8							_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
13	34,000	17,000	96.50	17,000	96.50						
14.1	0										
ita	36,000					18,000	95.10	18,000	95.10		
16	0										
17	34,000	17,000	94.10	17,000	94.10						
18	0										
19	38,000					19,000	95.30	19,000	95.30		
20	0			110							
21	34,000	17,000	95.20	17,000	95.10						
21	0	10,000									
28	40,000					20,000	95.00	20,000	95.00		
24	0										
26	34,000	17,000	95.80	17,000	95.80						
26 27	32,000					16,000	94.80	16,000	94.90		
28	0										
29	30,000	15,000	94.20	15,000	94.20			V.			
77.110.0	0	15,000		12,1000							
30:	0										
new nego-	496,000	128,000	760.70	128,000	760.60	120,000	664,80	120,000	665.00	0	0.00
TOTAL		16,000	95.088	16,000	95.075	17,143	94.971	17,143	95.000		#DIV/0

COPY AS NEEDED

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

ALL WATER SYSTEMS

PWS ID : KY0800273 PLANT ID:

OF

REPORT MONTH/YEAR: ___ 09/2014

PAGE

	CHE	MICALS ADDED		TEST RESULTS										
	CHLORINE	CHLORINE						HLORINE RESIDUAL EA		Wi	6T			
	BOOSTER LBS	BOOSTER LB8		T	RTH F	T	JTHF	T	F	T	F			
		1,000		0,99	0,85	1.01	0.96	1,06	0.98	1,38	1.28			
				1.40	1.38	1.44	1.39	1,41	1.34	1.36	1.29			
				1,48	1,46	0.88	0.81	1,46	1.35	0.96	0.87			
				1.25	1.14	1.39	1.28	1.22	1.14	1,18	1.07			
				1.33	1.22	1,48	1.44	1.09	0.99	1.37	1.28			
will				1.05	0.97	1,20	1.09	1.11	1.01	1.41	1,34			
			Tr.	1.05	1,01	1,20	1,14	1.09	1.01	1.30	1.23			
				1.59	1.48	1.56	1.47	1.52	1.42	1.34	1.22			
			and the land	1.36	1.26	1.22	1.16	1,53	1.50	1.51	1.46			
				1.51	1.39	1.14	1.11	1.36	1.33	1.42	1.31			
MRS.				1.57	1,49	1,00	0.73	1,47	1.35	1.02	0,98			
nių.			15 AN THE S	1.20	1,09	0.75	0.70	1.42	1.38	1.38	1,30			
				1.22	1.13	0.80	0.72	1,11	1.05	1.55	1.50			
		10 - SHIP-SE		1.20	1.13	1,54	1.51	1.30	1.24	1.31	1.26			
			10.00	1,49	1,41	1.56	1.44	1,37	1.30	0.97	0.89			
				1,31	1,22	0.94	0.86	1.04	0.95	1.47	1.38			
				1.29	1,21	1.59	1.56	1,15	1.09	1.29	1.22			
				1.38	1,34	1.09	1.06	1.56	1.44	0.99	0,95			
				1,36	1,33	0.65	0.60	1.20	1.15	1.52	1.49			
201				1,37	1.33	0.66	0.61	0.97	0.92	1.46	1.43			
基				0.73	0,61	1,23	1,18	1.10	1,06	1.18	1.09			
				1.23	1,33	1.37	1.47	1.00	1.08	1.37	1.45			
				1.12	1.05	0,91	0.87	1.08	1.04	1.23	1.20			
524			AT PERSONS	1.14	1.08	0.63	0.50	1.27	1.20	1,31	1.26			
			en jun	1.31	1.26	0.57	0.52	1.49	1.40	1,52	1.43			
6. sX 8.000				1.43	1.37	1.24	1.18	1.20	1.16	1.35	1,26			
際				1.30	1.28	0.72	0.65	1.43	1,36	1.42	1.34			
			7347 v	1.01	0.93	0.72	0.65	1.05	0.98	1.43	1,35			
			10000	1,56	1,45	1.51	1.44	1.65	1.55	1.65	1.55			
				1.29	1.18	0.50	0.42	1.08	0.98	1.18	1.05			
3E	#DIV/01	#DIV/0I	Averaga	1.28	1,21	1.08	1.02	1.26	1.19	1.33	1.26			
	0.0	0.0	Total Minimum	0.73		0.50		0.97		0.96				
	0.00		Free Minimum		0.61		0.42		0.92		0.87			

# Less then 0.2 mg/L/0.5 mg/L

Minimum Monthly Free
Residuals 120 Residual

Residuals 120 Residual Number of Free Residuals 0.42 Number of Total Residuals 0.50 Total # Less than 0.2 mg/L 0

Total # Less than 0.8 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation?

N 30

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	0273	
	TURBIDITY F	REPORT				PLANT ID:	Α		
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	Name:		County Water I	District	North of Balback and Annie	A DESCRIPTION OF	Direction of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		o Or III
DAY	Operated	ir of forbidity Samples Regarded	Mid -4-am	4 ám - 8 am	8 am - Noon		4 pm 8 pm 5 k	8 pm - Mid iv	Maximum
	23.5	6	0.06	0.07	0.06	0.06	0.06	0.06	0.065
2	24.0	6	0.06	0.06	0.07	0.05	0.06	0.06	0.065
3	24.0	6	0.06	0.07	0.06	0.05	0.05	0.06	0.072
4	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
5	24.0	6	0.05	0.06	0.06	0.05	0.05	0.05	0.060
5	24.0	6	0.05	0.06	0.06	0.05	0.05	0.05	0.060
7	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.060
8	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.060
980	23.5	6	0.06	0.07	0.07	0.06	0.06	0.06	0.068
10	24.0	6	0.07	0.07	0.07	0.05	0.06	0.06	0.070
612	24.0	6	0.06	0.07	0.09	0.06	0.05	0.06	0.090
-12	24.0	6	0.06	0.06	0.08	0.07	0.06	0.06	0.084
13	24.0	6	0.06	0.07	0.07	0.06	0.06	0.06	0.072
TJA	24.0	6	0.07	0.06	0.07	0.05	0.05	0.06	0.066
146	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.071
16	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
17	24.0	6	0.06	0.06	0.07	0.06	0.06	0.07	0.069
18	24.0	6	0.07	0.08	0.07	0.06	0.07	0.07	0.075
10	24.0	6	0.07	0.07	0.07	0.07	0.06	0.07	0.074
20	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.070
29,5	24.0	6	0.06	0.07	0.08	0.07	0.08	0.07	0.077
/22	24.0	6	0.09	0.09	0.09	0.08	0.08	0.06	0.086
23	24.0	6	0.06	0.05	0.06	0.04	0.04	0.05	0.060
24	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.052
28	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.050
26	24.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.050
23	24.0	6	0.04	0.05	0.04	0.04	0.04	0.04	0.050
20%	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.040
29	23.5	6	0.04	0.04	0.04	0.04	0.04	0.05	0.049
30	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
31	0.0	0							0.000
Total	718.5	180			TO	TAL # OF TURBIDITY	SAMPLES TAKEN -	180	0.090
ARE '		ER CONVENTION slow sand)	AL or DIRECT FIL	TRATION? (Y/N)	Υ	]	·-		S
Num	ber of samples e	xceeding>	0.1 NTU	0	0.3 NTU	00	_ 1 NTU	00	9 •
		Itration, the numb			1 NTU		5 NTU		-
	E: The "Number the next whole n		oles Required" is	the number of ho	ours the plant ope	rated divided by 4	4 rounded		
I cert	tify that the abov	ve turbidity readi			luring plant opera		time frames note	d above	_
	Signature of Prince	cipal Executive Off				1.	Da		-

	, A	PRLICABLE TO ALL	SURFACE WATER I	PLANTS WITH FILTRATION	
INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ма	ırtin County Water Dis	strict		
PWS ID:		00273			
PLANT ID: Report Period (MM/Y		A	2014	c	
				E .	
	eded any one of the he Summary Shee report(s).				PAGE 9 OF 11
Date:	-Filter Number	Turbidity Reading	Trigger Level (see below)	Reason for Exceedance (if known)	Date and Time State was Contacted
Date	, a wattoja (unitoja	Transfer of		1,500,001,07,2,000	
				— 37 JF 31	
(000)					
-,					

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Regulred:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
  - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	09/2014	
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE	HE FIELDS ARE	PRE
		PI-	ANTINE	POPULATED FOR YOU!!!		Мистро
And the second second		APPLIC		O ALL PLANTS	54,599,000	
PLANTID A		Votor District		TAL WATER TREATED (gallons)  E. DAILY PRODUCTION (gallons)	1,819,967	
PLANT NAME AGENCY INTE	Martin County V	vater District	_	XIMUM PUMPAGE (gallons per day)	1,864,000	_
	Section 1	APPLICABLE TO	ALL PL	FFLUEND LUREIDHTY ANTS WITH FILTRATION	- 10 d d d d d d d d d d d d d d d d d d	£.,.
ANALYTE COI	DE 0100					-
Was each filter	monitored continuously? (	Y/N)				[
	ments recorded every 15 m					[]
Was there a fa	ilure of the continuous mon	itoring equipment? (	Y/N)	the development begins of apprentian? (V/N)		
If Yes, (1)	were individual filter effluer	it turbidity grab samp	ies collec	ted every four hours of operation? (Y/N)		·
(2) Maa ladiidaasi	was the continuously monifilter level greater than 1.0	NTU in two consecu-	ive mess	surements? (Y/N)		- 1
Isupividual Was individual	filter level greater than 0.5	NTU in two consecur	tive meas	surements after on line for more than four hours	? (Y/N)	- Î
vvas marviduai Mae individual	filter level greater than 1.0	NTU in two consecu	tive meas	surements in three consecutive months? (Y/N)		[
Was individual	filter level greater than 2.0	NTU in two consecu	tive meas	surements in two consecutive months? (Y/N)	***************************************	[
If any of the la	st 4 boxes are YES, fill o	ut the Individual Fil	ter Turbi	idity Sheet and submit with the MOR		
				ENTRY ROINT RESIDUALDISINFECTA	NT CONCENTRAT	ION
APPL	CABLE TO ALL PLANTS	WITH FILTRATION		APPLICABLE TO ALL PI	ANTS	
ANALYTE CO	DF 0100			ANALYTE CODE 0999		
	irs of plant operation		718.5	Number of days of plant operation		-
	taken every 4 hours of pla	nt operation? (Y/N)	Y	Were samples taken each day of operation?	(Y/N)	
Number of san			180	Number of lowest chlorine samples recorded		
	turbidity reading		0.09	Lowest single chlorine reading		1.6
	except slow sand filtration			If less than required:	operation? (V/N)	r
	samples exceeded 0.1 NT		$\frac{0}{0}$	Was residual restored within 4 hours of plant <u>Free Chlorine</u> (for all disintectants except chl	operation: (1/14)	ı
	samples exceeded 0.3 NT	J	0	Number of samples under 0.2 mg/L	31311111371	
	samples exceeded 1 NTU is slow sand filtration:			Total Chlorine (when disinfectant is Chlorami	ne):	
	samples exceeded 1 NTU			Number of samples under 0.5 mg/L		
	samples exceeded 5 NTU					
CHEC	RINE DIOXIDE ENTRY P	SINT MONITORING	***	GREORITE ENTRY POINT MO	DNITORING	
APPLICA	BLE TO PLANTS UTILIZIN	IG CHLORINE DIOX	IDE	APPLICABLE TO PLANTS UTILIZING	CHLORINE DIOXI	DE
ANALYTE CO	DE 1008			ANALYTE CODE 1009		
Number of day	ys of plant operation		30	Number of days of plant operation	***********	_
Were samples	s taken each day of operation	on? (Y/N)		Were samples taken each day of operation?	(Y/N)	
Number of sar			0 00	Number of samples taken		0.
Highest single	chlorine dioxide reading orine dioxide samples exce	adad 0.8 ma/l	0.00	Highest single chlorite reading  Number of chlorite samples exceeded 1 rng/		-

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

10-03-2014

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KYO	0800273		MONITORING PERIOD	(MMYYYY) 09/2014
AI 2987		PLETE ALL		ALL OF THE FIELDS ARE PRE-
-			POPULATED FOR YOU!	
	PURCHASED	New AVE AGE GROWING		DED TO STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF THE STORY OF TH
		ABLE TO ALL	L WATER SYSTEMS	HOW MUCH? (gallons)
FROM WHOM? (PW	/S ID) HOW MUCH? (ga		TO WHOM? (PWS ID)	HOW WOCH? (gallotis)
WV3303003		0	·	S
KY0980575		0	8	· · · · · · · · · · · · · · · · · · ·
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WILLIAM CO.			(All III III III III III III III III III	**************************************
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Care San	DISTRIBUTION RE	SIDUAL DISI	NEECTANT CONCENTRATION	
		ABLE TO AL	L WATER SYSTEMS	D. Silvers
	999		P 011 / // H P. T. Z (	
Number of days of operat		30	Free Chlorine (for all disinfectants	
	h day of operation? (Y/N)	Y	Number of samples under 0.2	
Number of samples taker	1:	400	Total Chlorine (when disinfectant i	
		120	Number of samples under 0.5	ng/L
TOTAL	de a constituir de la c	120		
Lowest single FREE chlo		0.42		
Lowest single TOTAL chi	orine reading	0.50		

t certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI	H & YEAR (mm/yyyy)	10/2014	Indicate one with "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water	District	PLANT CLASS:	
AGENCY INTEREST (AI):	2987		DATE MAILED:	11-06-2014
SOURCE NAME:	Crum Reservoir		COUNTY:	Martin
	Tug Fork			
	OPERATOR(S) RESPONSIBLE	/ IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	17562
WTP SHIFT 2:	Michael Sartin		1V-A	21944
WTP SHIFT 3:	Jerry L Belcher		1V-A	21719
DISTRIBUTION:				
THIS REP	ORT MUST BE RECEIVED B	Y THE DIVISION	OF WATER AND	APPLICABLE FIELD OFFICE
	NO LATER THAN	10 DAYS AFTER	THE END OF TH	IE MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):		1,66	7	_
2. TYPE OF FILTRATION USE	D:	Dual Me	edia	
3. DESIGN FILTRATION RATE	E (gpm/sq. ft.):	2.66	3	
4. PERCENT BACKWASH WA	TER USED:	0.9		
5. DATE FLOCCULATION BA	SIN(S) LAST CLEANED:	#2 - 3/18/10	<b>#</b> 3 - 9/2/ 09	
6. DATE SETTLING BASIN(S)	LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

11-05-2014 DATE



PW\$ ID : PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: _______PAGE 1

10/2014 OF 11

	RAW	1.00.10		COAG	ULANT	pH ADJU	STMENT	DISINFE	CTANT	DISINFECTANT		
	WATER	PLANT					Pı		Pr		Pos	at
DAY	GALLONS	OPERATED	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
1	1,730,000	24.0	155,0	10.7	4.2	0.3			507.2	35.2	159.8	11,1
2	1,749,000	24.0	155.0	10.6	4.2	0.3			510.3	35.0	154.7	10.6
3	1,747,000	24.0	155.0	10,6	4.2	0.3			440.4	30.2	150.2	10.3
4	1,525,000	21.0	135.6	10.7	3.7	0.3			392.0	30.8	140.7	11.1
6	1.661.000	23.0	148.5	10.7	4.0	0.3			481.5	34.8	162.2	11.7
6	1,769,000	24.0	155.0	10.5	4.2	0.3			507.1	34.4	169.2	11.5
7	1,561,000	21.0	135.7	10.4	3.7	0.3			476.3	36.6	148.0	11.4
8	1.779.000	24.0	241.1	16.3	4.2	0.3			559.9	37.7	164.7	11.1
g.	1,780,000	24.0	292.9	20.0	4.2	0.3			548.4	37.4	163.7	11.2
10	1,789,000	24.0	292.9	19.6	4.2	0.3			496.8	33.3	163.7	11.0
11	1,802,000	24.0	292.9	19.5	4.2	0.3			506.6	33.7	169.2	11.3
12	1,824,000	24.0	292.9	19.3	4.2	0.3			606.0	39.8	168.1	11,1
13	1,804,000	23.5	286.7	19.1	4.0	0.3	V		540.3	35.9	156.5	10.4
14	1,828,000	24.0	292.9	19.2	4.2	0.3			517.6	34.0	159.8	10.5
15	1,811,000	24.0	292.9	19.4	4.2	0.3			530.5	35.1	159.8	10.6
16	1,873,000	24.0	292 9	18.8	4.2	0.3			496.8	31.8	159.8	10.2
17	1,856,000	24.0	292.9	18.9	4.2	0.3			556.8	36.0	170.2	11.0
18	1,893,000	24.0	292.9	18.6	4.2	0.3			496.8	31.5	169.2	10.7
19	1,879,000	24.0	292.9	18.7	4.2	0.3			583.2	37.2	169.2	10.8
20	1,920,000	24.0	292.9	18.3	4.2	0.3			580.6	36.3	175.0	10.9
21	1,879,000	23.5	286.7	18.3	4.0	0.3			486.4	31.0	179.3	11.4
22	1.913.000	24.0	292.9	18.4	4.2	0.3			521.0	32.7	169.1	10.8
23	1,853,000	24.0	292.9	19.0	4.2	0.3			540.0	34.9	159.8	10.3
24	1,896,000	24.0	292.9	18.5	4.2	0.3			545.4	34.5	159.8	10.1
25	1,874,000	24.0	292.9	18.7	4.2	0.3			558.8	35,6	165.7	10.6
26	1,919,000	24.0	292.9	18.3	4.2	0.3			556.8	34.8	159.8	10.0
27	1,881,000	23.5	286.7	18.3	4.0	0.3			536.8	34.2	168.1	10.7
28	1,910,000	24.0	292.9	18.4	4.2	0.3			538.6	33.8	164.2	10.3
29	1,856,000	24.0	292.9	18.9	4.2	0.3			543.4	35.1	173.9	11.2
30	1,886,000	24.0	224.2	14.3	4.2	0.3			543.2	34,5	167.4	10.6
31	1,841,000	24.0	224.2	14.6	4.2	0.3			500.6	32.6	171.4	11.2
TOTAL	58,268,000		7881.7		128 4		0.0		16204.1		5072.2	
AVERADE	1,815,097		253.6	16.6	4.1	0.3	#DIV/01	#DIV/0I	522.7	34.5	163.6	10.8

1,920,000

APPLICABLE TO ALL PLANTS

PW8 ID : KY0800273

REPORT MONTH/YEAR: 10/2014

PAGE 2 OF 11

(Asia)	DISINFE	CTANT	FLUO	FLUORIDE		CARBON		PH ADJUSTMENT		KMnQ ₄		ISION ITOR	На	)2
ŀ							Po	at						
DAY	LB8	PPM	LBS	РРМ	LB8	PPM	LB8	PPM	LB8	PPM	LBB	PPM	LBS	PPM
4	687.0	46.2	60.9	4.2	95.2	6.6			15.9	1.1				
2	665.0	45.6	80.9	4.2	95.2	6.5			15.9	1.1				
3	590.6	40.5	60.9	4.2	95.2	6.5			15.9	1.1				
4	532.7	41.9	53.3	4.2	83.4	6.6			13.9	1,1				
5	643.7	48.5	58.4	4.2	91.3	6.6			15.2	1.1				
6	676.3	45.8	60.9	4.1	95.2	6.5			15.9	1.1				
7	624.3	48.0	53.3	4.1	83.4	6.4			13.9	1.1				
8	724.6	48.8	60.9	4.1	95.2	6.4			15.9	1.1				
9	712.1	48.5	60.9	4.1	95.2	6.5			15.9	1:1				
10	660.5	44.3	60.9	4.1	95.2	6.4			15.9	1,1				
11	675.8	45.0	60.9	4.1	95.2	6.3			15.9	1.1				
12	774.1	50.9	60.9	4.0	95.2	6.3			15.9	1.0				
13	696.8	46.3	58.4	3.9	93.3	6,2			15.5	1.0				
14	677.4	44.4	60.9	4.0	95.2	6.2			15.9	1.0				
15	690.3	45.7	60.9	4.0	95.2	6.3			15.9	1.1				
16	658.6	42.0	60.9	3.9	95.2	6.1			15.9	1.0				
17	727.0	47.0	60.9	3.9	95.2	6.2			15.9	1.0				
18	666.0	42.2	60.9	3.9	95.2	6.0			15.9	1.0				
19	752,4	48.0	60.9	3.9	95.2	6.1			15.9	1.0				
20	765.6	47.2	60.9	3.8	95.2	5.9			15.9	1,0				
ž1	665.7	42.5	58.4	3.7	93.3	6.0			15.5	1.0				
22	690.1	43.3	80.9	3.8	95.2	6.0	1		15.9	1.0				
23	699.8	45.3	80.9	3.9	95.2	6.2			15.9	1.0				
24	705.2	44.6	60.9	3,9	95.2	6.0			15.9	1.0				
28	722.5	48.2	60.9	3.9	95.2	6.1			15.9	1.0				
26	716.6	44.8	60.9	3.8	95.2	5.9			15.9	1.0				
27	704.9	44.9	58.4	3.7	93.3	5.9			15.5	1.0				
28	702.8	44.1	60.9	3.8	95.2	6.0			15.9	1.0				
29	717.3	48.3	60.9	3.9	95.2	6.2			15.9	1.0				
30	710.8	45.2	60.9	3.9	95.2	6.1			15.9	1.0				
31	672.0	43.8	60.9	4.0	95.2	6.2			15.9	1.0				
TOTAL	21,276.3		1,862.7		2,917.9		0.0		487.0		0.0		0.0	
VERAGE	686.3	45.3	60.1	4.0	94.1	6.2	#DIV/0I	#DIV/01	15.7	1.0	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0

PWS ID: PLANT ID:

OF

KY0800273 A

10/2014

11

0.05

0.05

2.29

6.62

0.11

0.12

REPORT MONTH/YEAR:

APPLICABLE TO ALL PLANTS

7.79

7.8

31

7.77

7.8

7.67

7.7

110

124

112

126

180

182

184

189

0.88

0.89

0.79

0.80

1.95

1.95

1.85

1.87

PAGE ANALYTICAL RESULTS (mg/L OR PPM UNLESS OTHERWISE SPECIFIED) TOTAL ALKALINITY TOTAL HARDNESS CHLORINE RESIDUAL TURBIDITY (NTU) TOP OF PLANT SETTLED TOP OF **FILTER** TAP TAP TOTAL FREE WATER TAP RAW TAP TOTAL RAW DAY RAW **FILTER** TAP RAW FREE 1.93 1.83 0.11 0.06 2.00 7.79 137 210 205 1.01 0.92 7.89 7.89 135 0.06 1.92 1.86 1.83 0.11 207 0.99 0.89 7.86 7.90 7.81 143 145 210 1.84 0.12 0.05 7.82 143 147 220 223 0.96 0.86 1.96 1.88 7.92 7.92 229 0.80 0.70 1.92 1.84 1.94 0.11 0.06 7.92 7.83 148 225 8.00 144 4 0.10 0.06 227 231 0.82 0.69 1.94 1.85 1.84 7.99 7.95 7.85 141 144 0.05 1.97 1.91 1.57 0.10 0.85 8.09 7.99 7.88 142 146 231 235 0.93 0.12 0.05 239 0.92 0.85 2.02 1.95 1.64 8.10 7.99 7.86 152 156 234 0.06 0.75 1.94 1.89 17.47 0.18 158 230 226 0.84 8.07 7.99 7.86 162 1.85 23.30 0.13 0.06 1.93 155 210 204 0.85 0.74 8.01 7.88 7.80 160 0.05 1.96 1.87 20.50 0.15 0.90 0.81 7.85 7.75 143 140 216 214 10 7.95 19.40 0.14 0.06 1.92 1.84 7.94 7.79 7.70 143 147 204 209 0.82 0.7411 0.06 7.77 7.70 7.62 151 210 214 0.92 0.82 1,98 1.92 20.50 0.12 148 12 9.23 0.12 0.05 185 190 0.92 0.84 1 92 1.84 7.81 7.72 7.62 112 116 13 0.87 0.05 1.89 1.84 8.33 0.14 0.95 7.79 7.72 7.64 110 114 183 187 14 1.82 8.10 0.15 0.05 1.89 7.81 7.78 7.69 120 117 177 173 0.85 0.76 15 0.05 1.97 1.89 7.20 0.13 7.77 112 175 180 0.87 0.79 7.79 7.68 117 16 0.79 1.93 1.85 6.33 0.12 0.05 7.67 125 177 181 0.87 7.73 7.78 124 17 0.80 1.94 1.85 8.76 0.12 0.05 167 172 7.74 7.69 7.59 107 110 0.94 10: 1.84 6.58 0.11 0.05 168 0.88 0.80 1:91 7.61 113 172 10 7.71 7.67 109 0.05 108 17 176 0.89 0.81 2.00 1.93 5.69 0.11 7.75 7.71 7.60 104 20 0.11 0.05 7.71 7.71 7.61 94 99 156 160 0.79 0.71 1.87 1.83 4.25 7.71 7.62 100 95 156 150 0.78 0.68 1.83 1.76 3.51 0.10 0.05 7.70 0.78 1.97 1.90 3.41 0.10 0.05 7.73 7.71 7.65 105 99 150 155 0.87 23 0.10 0.05 102 105 151 155 0.92 0.85 1.94 1.85 3.02 7.72 7.73 7.84 24 0.05 108 156 161 0.92 0.84 1.98 1.92 2.94 0.11 7.76 7.74 7.66 105 1.92 2.56 0.10 0.06 7.70 7.65 108 111 159 164 0.93 0.82 2.03 7.75 26 7.73 7.80 7.70 111 116 169 174 0.92 0.84 1.94 1.87 2.55 0.11 0.05 0.05 8.01 7.84 7.75 106 110 167 171 0.85 0.77 1.95 1.87 2.36 0.11 28 122 160 165 0.79 0.69 2.00 1.93 2.40 0.10 0.05 7.78 7.75 7.68 126 29 125 152 155 0.97 0.86 1.97 1.89 2.12 0.10 0.05 7.76 7.76 7.66 128 30

## OPTIONAL INFORMATION--Surface Water Plants Only

PWS ID: KY0800273

REPORT MONTH/YEAR:

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

PLANT ID: AGENCY INTEREST:

2987 10/2014

WATER TREATMENT PLANT MONTHLY OPERATION REPORT AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4

OF

SHIP	HILMSEO_	事を配	STRUM	(6) 1 286	with the second	AN	ALYTICAL P	ESULTS (N	ITU)		i final				
	RAW		SEDIM		BASIN EFFL	UENT					L FILTER E				CFE
DAY	DAILY MAXIMUM	#1	#2	DAILY M	AXIMUM #4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MUMIXAM
1	1.83		0.12	0.21						0.07	0.07	0.09	0.06		0.06
1	1.83		0.12	0.13						0.06	0.07	0.07	0.04		0.06
3	1.84		0.13	0.18						0.07	0.07	0.07	0.04		0.07
	1.94		0.12	0.14						0.07	0.07	0.07	0.04		0.06
8	1.84		0.11	0.14						0.07	0.07	0.12	0.06		0.07
6	1.57		0.11	0.12						0.07	0.07	0.07	0.04		0.05
7	1.64		0.15	0.14						0.07	0.07	0.07	0.04		0.07
8	17.47		0.27	0.31						0.07	0.08	0.09	0.04		0.07
	23.30		0.14	0.18						0.07	0.07	0.09	0.06		0.07
10	20.50		0.32	0.16						0.06	0.07	0.07	0.04		0.05
11	19.40		0.17	0.17						0.07	0.08	0.07	0.04		0.06
12	20.50		0.17	0.16						0.07	0.07	0.07	0.04		0.06
13	9.23		0.16	0.12						0.06	0.06	0.07	0.05		0.06
14	8.33		0.18	0.15						0.06	0.06	0.06	0.03		0.05
15	8.10		0.18	0.20						0.07	0.07	0.06	0.03		0.05
16	7.20		0.18	0.12						0.06	0.06	0.06	0.03		0.05
17	6.33		0.14	0.14						0.06	0.06	0.07	0.05		0.06
13	8.76		0.14	0.15						0.06	0.05	0.06	0.04		0.05
19	6.58		0.13	0.13						0.07	0.06	0.07	0.04		0.06
20	0.69		0.11	0.14						0.06	0.06	0.07	0.04		0.06
21	4.25		0.14	0.12						0.06	0.06	0.09	0.05		0.06
22	3.51		0.11	0.11						0.06	0.06	0.07	0.04		0.06
23	3.41		0.13	0.13						0.07	0.07	0.07	0.04		0.06
24	3.02		0.11	0.14						0.07	0.06	0.00	0.04		0.06
25	2.94		0.14	0.13						0.07	0.06	0.09	0.05		0.11
20	2.56		0.10	0.13						0.06	0.06	0.07	0.04		0.06
27	2.55		0.12	0.13						0.07	0.07	0.07	0.04		0.08
28	2.36		0.15	0.12						0.07	0.06	0.07	0.03		0.06
29	2.40		0.12	0.12						0.07	0.07	0.10	0.06		0.06
30	2.12		0.11	0.13						0.06	0.06	0.07	0.04		0.06
31	2.29		0.13	0.12						0.07	0.07	0.07	0.04		0.08
AVERAG	e 6.5	#DIV/0I	0.1	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	0.07	0.07	0.07	0.04	#DIV/01	0.06

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

10/2014

11

*Please answer Y/N question below this chart.

PAGE 5 OF

DAY  1 2 3 4 5 6 7 8 9 10 11 12	0.40 0.23 0.31 0.34 0.33 0.32 0.39 0.39 0.18	TAP  0.66  0.54  0.94  1.01  1.02  1.04  1.08  0.98	0.07 0.15 0.06 0.07 0.08 0.08	0.03 0.04 0.03 0.03 0.03 0.03	0.06 0.05 0.04 0.05	0.01 0.01 0.01	RAW	ТАР	Chlorine Residual Plant Tap On-Line Chlorine Analyzer FREE / TOTAL 1.85	INCHES  0.0	DEGREES F°/C° 21.8
1 2 3 4 5 6 7 8 9 10 11 11	0.40 0.23 0.31 0.34 0.33 0.32 0.39 0.39 0.18	0.66 0.54 0.94 1.01 1.02 1.04 1.08 0.98	0.07 0.15 0.08 0.07 0.08 0.06	0.03 0.04 0.03 0.03 0.03	0.06 0.05 0.04 0.05	0.01 0.01 0.01	RAW	TAP	1.85	0.0	
2 3 4 5 6 7 8 9 10	0.23 0.31 0.34 0.33 0.32 0.39 0.39 0.18 0.11	0.54 0.94 1.01 1.02 1.04 1.08 0.98	0.15 0.06 0.07 0.06 0.06	0.04 0.03 0.03 0.03	0.05 0.04 0.05	0.01					21.8
3 4 5 6 7 8 9	0.31 0.34 0.33 0.32 0.39 0.39 0.18 0.11	0.94 1.01 1.02 1.04 1.08 0.98	0.06 0.07 0.06 0.06	0.03 0.03 0.03	0.04	0.01			1.75		
4 5 6 7 8 9 10 11 11	0.34 0.33 0.32 0.39 0.39 0.18	1.01 1.02 1.04 1.08 0.98	0.07 0.06 0.06	0.03	0.05				1.10	0.0	22.0
5 6 7 8 9 10	0.33 0.32 0.39 0.39 0.18 0.11	1.02 1.04 1.06 0.96	0.06	0.03		0.04			1.75	0.0	22.3
6 7 8 9 10 11 11	0.32 0.39 0.39 0.18 0.11	1.04 1.06 0.96	0.06		0.05	0.01			1.80	0.2	22.4
7 8 9 10	0.39 0.39 0.18 0.11	1.08		0.03	0.05	0.01			1.70	0.0	22.0
9 10 11	0.39 0.18 0.11	0.98	0.10		0.13	0.01			1.75	0.0	20.6
9 10 11	0.18			0.03	0.15	0.01			1.70	1.0	20.0
10	0.11		0.08	0.03	0.13	0.01			1.70	1.2	19.2
11		0.86	0.34	0.03	0.17	0.01			1.70	0.0	18.7
0.500		1.01	0.27	0.03	0.15	0.01			1.75	0.4	19.1
12	0.07	1.06	0.11	0.03	0.11	0.01			1.75	1.0	19.2
1000000	0.10	1.02	0.41	0.03	0.14	0.01			1.75	0.1	18.6
13	0.21	1.05	0.19	0.03	0.08	0.01			1.75	0.0	18.9
14	0.23	0.89	0.16	0.03	0.08	0.01			1.80	0.0	18.5
15	0.32	0.81	0.16	0.03	0.08	0.01			1.70	1.0	18.8
16	0.19	0.85	0.15	0.03	0.09	0.01			1.75	0.2	18.6
17	0.26	0.85	0.10	0.03	0.07	0.01			1.75	0.0	18.4
18	0.25	0.91	0.11	0.03	0.08	0.01			1.75	0.0	18.2
19	0.21	0.93	0.17	0.03	0.06	0.01			1.75	0.0	18.5
20	0.25	0.90	0.16	0.03	0.06	0.01			1.75	0.0	18.1
21	0.25	0.96	0.13	0.03	0.07	0.01			1.75	0.0	17.6
22	0.22	0.75	0.08	0.03	0.06	0.01			1.75	0.0	17.2
23	0.44	1.11	0.10	0.03	0.08	0.01			1.80	0.0	17.2
24	0.25	0.81	0.10	0.03	0.05	0.01			1.80	0.0	17.1
25	0.29	0.95	0.10	0.03	0.04	0.01			1.75	0.0	16.6
26	0.25	0.92	0.09	0.03	0.04	0.01			1.80	0.0	16.1
27	0.33	0.91	0.12	0.03	0.02	0.01			1.60	0.0	17.0
28	0.28	0.88	0.12	0.03	0.01	0.01			1.80	0.0	16.4
29	0.26	0.83	0.19	0.03	0.04	0.01			1.75	1.3	16.0
30	0.34	0.74	0.17	0.03	0.06	0.01			1.55	0.0	16.4
31	0.32	1.03	0.09	0.03	0.06	0.01			1.75	0.0	16.3
AVERAGE	0.27	0.91	0.14	0.03	0.07	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	18.6
							W 6751		1.55		
									1.00		-

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

N

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 10/2014

PAGE 6 OF 11

								PAGE	- 6	OF .	11
1	TOTAL	No;	3	No:	THE STATE OF	FILTER OPER.	5	No:	6	No:	The same
	WASH WATER	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	Leurnia
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONB	FILT RUN HRB	WASHWATER GALLONS	FILT RUN HRIS
1	32,000					16,000	95.00	16,000	95.00		
2	0										
3	30,000	15,000	95.30	15,000	95.30						
4	0										
5	25,000					12000.00	92.50	13,000	92.50		
6	0										
7	30,000	15,000	91.70	15,000	91.80						
8	0										
9	30,000					15,000	91.30	15,000	91.30		
10	0										
11	30,000	15,000	93.10	15,000	93.10						
12	0										
13	30,000					15,000	95.20	15,000	95.20		
14	0										
15	30,000	15,000	94.90	15,000	94.90						
16	0		1								
17	34,000					17,000	95.10	17,000	95.00		
18	0										
19	30,000	15,000	94.70	15,000	94.70						-
20	0										
21	30,000					15,000	94.80	15,000	94.80		-
22	0						-		-		
23	30,000	15,000	95.10	15,000	95.10						
24	0										
25	30,000		-		-	15,000	95.10	15,000	95.10		
26	0		-				-				-
27	30,000	15,000	95.00	15,000	95.00						
28	0						-				
29	30,000					15,000	95.50	15,000	95.50		
30	0										-
31	30,000	15,000	95.20	15,000	95.20		-				
TOTAL	481,000	120,000	755.00	120,000	755.10	120,000	754.50	121,000	754.40		0.00
AVERAGE	15,516	15,000	94.375	15,000	94.388	15,000	94.313	15,125	94.300	#DIV/0!	#DIV/

COPY AS NEEDED

PWS ID : KY0800273
PLANT ID: A

ALL WATER SYSTEMS

 PAGE
 7
 OF
 11

	CHE	MICALII ADDED					TEST R				
	CHLORINE	CHLORINE			RTH		(T) AND FREE (F) C	HLORINE RESIDUAL	(ppm)	WE	87
,	BOOSTER	BOOSTER	+ +	T	F	T	) in	T	,	T	F
			TUT'S	1.35	1.28	0.60	0.57	1.41	1.37	1.44	1.41
			1 887	1.44	1.37	1,19	1.12	1,35	1.29	1.47	1.41
100				1.07	0.99	0.60	0.47	1.19	1.12	1.22	1:17
			F ( )	1,12	1.07	0.44	0.36	1.03	0.96	1.40	1.31
				1.02	0.93	0.85	0.59	0.86	0.79	1.34	1.23
			0000	1.12	1.03	1.16	1.08	1,14	1.07	1.46	1.37
			Was Inc	1.12	1.01	1,37	1,20	0.69	0.65	1.56	1.52
				1.41	1.33	1,37	1.32	0.51	0.43	1.53	1.51
			Vica Serie	0.61	0.55	1.40	1.33	0.74	0,68	1,14	1.07
				0.74	0.64	0.79	0.71	1.34	1.28	1.47	1.40
			2000	0.68	0.57	1.16	1.09	0.98	0.91	1.44	1.35
				0.98	0.91	0.51	0.41	1.03	0.95	0.84	0.76
			V III	1.10	0.99	1.03	0.99	0.81	0.77	1.49	1.45
			15.5	1.11	1.03	0.45	0.39	1.29	1.19	1.42	1.33
			No.	1.35	1.32	1.20	1,15	1.51	1.42	1.53	1.44
				1.03	0.96	1.41	1.39	1.08	1.08	1.48	1.43
200				1.28	1.18	1.49	1.46	1.46	1.43	1.48	1.44
			1,023	1,36	1.26	1,14	1.03	1.48	1.40	1.53	1.48
			2111	1.33	1.23	0.78	0.71	1.39	1.31	1.30	1,24
, 1				0.41	0.51	1.17	1.25	1.31	1.39	1.00	1.05
NO.				1.52	1.44	0.88	0.83	1,44	1,39	1,57	1.54
			935	1.06	0.99	1.23	1.19	1.28	1.26	1.54	1.48
			00800	1.06	0.97	1.28	1.23	1.29	1.22	1.37	1.30
				1.34	1 29	1.19	1,12	1.37	1.34	1.11	1,06
ie!			0000000	1.21	1.15	1.24	1.17	0.99	0.89	1,49	1.41
			COENT	1.40	1.33	1,38	1.28	1.25	1.19	1.38	1.31
				0.40	0.39	0.96	0.87	1.23	1.18	1.65	1.59
			0=0.8	1.12	1.06	0.45	0.40	1.20	1.15	1.21	1,15
				1.61	1.50	0.60	0.51	0.94	0.80	0.57	0.51
			1202	1.38	1.34	1.07	1.03	1.31	1.28	0.74	0.66
70				1.41	1,35	0.53	0.46	0,98	0.91	1.16	1.10
01	#DIV/0I	#DIV/0I	Average	1,13	1,06	0,99	0.93	1,16	1:10	1.33	1.27
	0.0	0.0	(otal	0.40		0.44		0.51		0.57	_
			Medeupe		0.39		0.36		0 43		0.51

0.36

0.40

Number of Free Residuals

Number of Total Residuals

Total # Less than 0.5 mg/L

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation? N 31

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Officer or Authorized Agent

					ı	PWS ID :	KY080	0273	
T	URBIDITY F	REPORT			_ '	PLANT ID:	Α		
2	APPLICAB		ANTS WITH FI	CONTRACTOR CONTRACTOR	Report Period (	MM/YYYY):	10/2	014	PAGE: 8 OF 11
WS No	me:		County Water	District					
DAY	Hours Plant Operated	# of Turbidity Samples Required!	Mid - 4 em	4 am - 8 am	8 am - Noon	Noon • 4 pm	4 pm + 8 pm	8 pm - Mid	Daily Maximum
1	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
2	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
3	24.0	6	0.06	0.07	0.06	0.06	0.05	0.06	0.066
4	21.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
5	23.0	6	0.06	0.07	0.06	0.05	0.05	0.05	0.070
6	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
7	21.0	6	0.06	0.06	0.06	0.05	0.05	0.07	0.067
0	24.0	6	0.05	0.06	0.07	0.06	0.06	0.06	0.069
9	24.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.070
10	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
11	24.0	6	0.05	0.06	0.06	0.06	0.06	0.06	0.060
12	24.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.060
13	23.5	6	0.05	0.06	0.06	0.05	0.05	0.05	0.057
14	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.049
15:	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
16	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
17	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.060
18	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
19	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
20	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
21	23.5	6	0.06	0.06	0.06	0.06	0.06	0.06	0.063
22	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.057
23	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
24	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
25	24.0	6	0.11	0.07	0.06	0.05	0.06	0.06	0.110
28	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
27	23.5	6	0.06	0.06	0.06	0.06	0.05	0.08	0.060
28	24.0	6	0.06	0.06	0.06	0.05	0.05	0.08	0.058
29	24.0	6	0.06	0.06	0.06	0.05	0.05	0.08	0.064
30	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
21	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
Total	735.5	186			101	AL # OF TURBIDITY	SAMPLES TAKEN	186	0.110
ARE YO	OU USING EITH	ER CONVENTION	IAL or DIRECT FI	LTRATION? (Y/I	4) Y				
	er of samples e		0.1 NTU	J1	0.3 NTU	0	1 NTU	0	_
F	or slow sand fil	Itration, the numb	per of samples ex	ceeding>	1 NTU		5 NTU		2
	The "Number ne next whole n		ples Required" is	the number of h	nours the plant oper	ated divided by	4 rounded		
l certify	that the abov	re turbidity read	ings were taken	every 4 hours	during plant opera	tion and in the	time frames note	ed above.	_
1	10	el T.	Allay ficer or Authorized		KWENESES	ej.	11-05-0	2014 ale	-

	A	PPLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATION	
INDIVIDUAL FILT	TER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict		
PWS ID:		00273			
PLANT ID:		A 10/3	2014	ai .	
Report Period (MM/YY		-			
		ne Individual filter			
(also listed on the appropriate		t ), complete the fo	ollowing and subr	nit	PAGE 9 OF
the appropriate	laction and	Turbidity Reading	Trigger Level (see		Date and Time
Date	Filter Number	(UTV)	below)	Reason for Exceedance (if known)	State was Contacte
-					
					<del> </del>
					-
					+
B. Any one filter hat the end of the C. Any one filter hat any time in e D. Any one filter h	nas a measured turb e first 4 hours of op- nas a measured turb each of 3 consecutive	idity level of greater eration following a b idity level of greater e months. idity level of greater	than 0.5 NTU in 2 co ackwash or return to than 1.0 NTU in 2 co	nasecutive measurements taken 15 minut insecutive measurements taken 15 minut insecutive measurements taken 15 minut insecutive measurements taken 15 minut	es apart es apart
Report Required:	=11	4.149	the data at every	and Oliver arable relation 7 days of the access	nodance if so
For Trigger A.:	obvious reason for	the exceedance		nce and fliter profile within 7 days of the exce	
For Trigger B.:	Filter number, the to obvious reason for		the date of exceedar	nce and filter profile within 7 days of the exce	edance, if no
For Trigger C.:	Filter number, the to		the date of exceedar	nce and a filter self-assessment within 14 da	iys of the
For Trigger D.:	exceedance Filter number, the to	urbidity measurement	the date of exceedar	nce and arrange for a Comprehensive Perfo	rmance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID <b>KY0800273</b>			MONITORING	PERIOD (MMYYY	Y) 10/2014	
•	NOTE: COMPLETE	E ALL A	APPLICABLE FIELDS!	II NOT ALL OF	THE FIELDS ARE	PRE-
			POPULATED FO			
			RMATION	walls say to	NAME OF STREET	
	APPLICA		ALL PLANTS			
PLANTID A			AL WATER TREATED (g		56,268,000	_
PLANT NAME Martin County W	/ater District	AVE	DAILY PRODUCTION (	gallons)	1,815,097	
GENCY INTEREST 2987		MAX	IMUM PUMPAGE (gallon	s per day)	1,920,000	_
TOTAL PROPERTY OF THE PARTY OF			FLUENT TURBIDITY			
- HOSHID-T	APPLICABLE TO A	ALL PLA	NTS WITH FILTRATION			
NALYTE CODE 0100						l v
as each filter monitored continuously? (Y						- Y
/ere measurements recorded every 15 m						- Y
as there a failure of the continuous moni	toring equipment? (Y/	N)		0.0440		N
If Yes, (1) were individual filter effluen	t turbidity grab samples	s collecte	ed every four hours of ope	eration? (Y/N)		-
(2) was the continuously monitor	oring equipment repaire	ed within	5 working days? (Y/N)	***************************************		
as individual filter level greater than 1.0 I	NTU in two consecutive	e measu	rements? (Y/N)			N
as individual filter level greater than 0.5 l	NTU in two consecutive	e measu	rements after on line for r	more than four hou	urs? (Y/N)	N
do marriada mon lotor ground man die	NITH Lin has concequity	0.000001	rements in three consecu	itive months? (Y/h	N)	
as individual filter level greater than 1.0 l	MIO III IWO CONSECULIVI	e measu	Citionio in anoc consecu			Total Control
Vas individual filter level greater than 1.0 l Vas individual filter level greater than 2.0 l	NTU in two consecutive	e measu	rements in two consecutive	ve months? (Y/N)		1
/as individual filter level greater than 1.0 l /as individual filter level greater than 2.0 l	NTU in two consecutive	e measu	rements in two consecutive	ve months? (Y/N)		[N
as individual filter level greater than 1.0 lasses individual filter level greater than 2.0 language and the last 4 boxes are YES, fill out	NTU in two consecutive the Individual Filter	e measu	rements in two consecutivity Sheet and submit wi	ve months? (Y/N)	ANT CONCENTRA	
/as individual filter level greater than 1.0 l /as individual filter level greater than 2.0 l	NTU in two consecutive it the Individual Filter NT TURBIDITY	e measu	rements in two consecutivity Sheet and submit with ENTRY POINT RESIDENT.	ve months? (Y/N)	ANT GONCENTRA	TION
/as individual filter level greater than 1.0 less individual filter level greater than 2.0 leany of the last 4 boxes are YES, fill out COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	NTU in two consecutive it the Individual Filter NT TURBIDITY	e measu r Turbid	rements in two consecutivity Sheet and submit with ENTRY POINT RESIDENT APPL	ve months? (Y/N) th the MOR DUAL DISINFECT	ANT CONCENTRA	
/as individual filter level greater than 1.0 leas individual filter level greater than 2.0 leany of the last 4 boxes are YES, fill out COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS NALYTE CODE 0100	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION	e measu r Turbid	rements in two consecutivity Sheet and submit with ENTRY POINT RESIDENT APPL	ve months? (Y/N) th the MOR DUAL DISINFECT ICABLE TO ALL	ANT CONCENTRA	TION
/as individual filter level greater than 1.0 l /as individual filter level greater than 2.0 l any of the last 4 boxes are YES, fill ou  COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS I  NALYTE CODE 0100  umber of hours of plant operation	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION	e measu r Turbid 735.5	rements in two consecutivity Sheet and submit with ENTRY POINT RESIDENT APPL  ANALYTE CODE 0  Number of days of plant of	ve months? (Y/N) th the MOR DUAL DISINFECT ICABLE TO ALL 1999	PLANTS	TION 31
/as individual filter level greater than 1.0 leas individual filter level greater than 2.0 leany of the last 4 boxes are YES, fill out COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS IN NALYTE CODE	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION	e measur Turbid	rements in two consecutivity Sheet and submit with Sheet and submit with Sheet and submit with Sheet and submit with Sheet and submit with Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet and Sheet a	ve months? (Y/N) th the MOR DUAL DISINFECT ICABLE TO ALL 1999 Operation th day of operation	? (Y/N)	TION 31
Vas individual filter level greater than 1.0 leas individual filter level greater than 2.0 leany of the last 4 boxes are YES, fill out COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS IN MALYTE CODE 0100 least operation levere samples taken every 4 hours of plant least of samples taken	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION	735.5	ENTRY POINT RESIDENT APPL  ANALYTE CODE UNITED TO THE SERVICE SAME APPL  ANALYTE CODE UNITED TO THE SERVICE SAME APPL  Were samples taken each Number of lowest chloring	ve months? (Y/N) th the MOR DUAL DISINFECT. ICABLE TO ALL DISPECTOR Operation th day of operation e samples recorde	? (Y/N)	31 31
/as individual filter level greater than 1.0 I/as individual filter level greater than 2.0 I/any of the last 4 boxes are YES, fill out  COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS I  NALYTE CODE 0100  umber of hours of plant operation  //ere samples taken every 4 hours of plant umber of samples taken ighest single turbidity reading	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION  It operation? (Y/N)	735.5 Y 186 0.11	ENTRY POINT RESIDENT APPL  ANALYTE CODE OWNER SAME SAME SAME SAME SAME SAME SAME SAME	ve months? (Y/N) th the MOR DUAL DISINFECT. ICABLE TO ALL DISPECTOR Operation th day of operation e samples recorde	? (Y/N)	31 31
/as individual filter level greater than 1.0 I/as individual filter level greater than 2.0 I/any of the last 4 boxes are YES, fill out  COMBINED FILTER EFFLUE  APPLICABLE TO ALL PLANTS I  NALYTE CODE 0100  umber of hours of plant operation  //ere samples taken every 4 hours of plant umber of samples taken ighest single turbidity reading or all filtration except slow sand filtration:	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION  It operation? (Y/N)	735.5 Y 186 0.11	ENTRY POINT RESIDENT APPL  ANALYTE CODE OWNER of plant of the samples taken each Number of lowest chloring Lowest single chloring residues than required:	ve months? (Y/N) th the MOR DUAL DISINFECT. ICABLE TO ALL 1999 operation th day of operation e samples recorder ading	? (Y/N)	31 31
las individual filter level greater than 1.0 It as individual filter level greater than 2.0 It any of the last 4 boxes are YES, fill out COMBINED FILTER EFFLUE APPLICABLE TO ALL PLANTS IN ALYTE CODE 0100 umber of hours of plant operation lever samples taken every 4 hours of plant umber of samples taken ighest single turbidity reading or all filtration except slow sand filtration: Number of samples exceeded 0.1 NTU	NTU in two consecutive  It the Individual Filter  NT TURBIDITY  WITH FILTRATION  It operation? (Y/N)	735.5 7186 0.11	ENTRY POINT RESIDENT APPL  ANALYTE CODE OWNER SAME AND ANALYTE CODE Number of days of plant owner of lowest chloring Lowest single chloring residual restored with the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	ve months? (Y/N) th the MOR DUAL DISINFECT. ICABLE TO ALL DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFECT. DISINFEC	? (Y/N)  nt operation? (Y/N)	3°
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11-05-2014 Date

violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

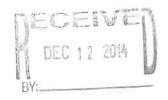
# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

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Al 29	87	NOTE: COMPLETE ALL	APPLICABLE FIELDSIII NOT A	LL OF THE FIELDS ARE PRE-
			POPULATED FOR YOU!!!	
	PURCHASE		SO WATER OVERTERS	ED A SECTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O
EDOM W	HOM? (PWS ID)	APPLICABLE TO AL HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV330300		1,473,000	10 WHOM (FWO ID)	13000
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KY098057		0		-
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7.45 V. S. S. L.	AND AND ADDRESS	DISTRIBUTION RESIDUAL DIS	INFECTANT CONCENTRATION	
		APPLICABLE TO A	L WATER SYSTEMS	
ANALYTE CO	DE 0999		MATTER CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY	
		31	Free Chlorine (for all disinfectants e	
	s taken each day of opera	ation? (Y/N)	Number of samples under 0.2 m	
Number of sa	mples taken:	4.5	Total Chlorine (when disinfectant is	
FREE		124	Number of samples under 0.5 m	ig/L
TOTAL				
	FREE chlorine reading	0.36		
Lowest single	TOTAL chlorine reading	0.40		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

11-05-2014 Date



Indicate one X SURFACE WATER

## KENTUCKY DIVISION OF WATER

Revised 01/04/07

### DRINKING WATER BRANCH

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTH	H & YEAR (mm/yyyy) 11/	/2014	with "X"	GROUNDWATER	
DEP Form 4012Re	vised 07/2006			PURCHASE/DISTRIBUTE ONLY	
PWS ID :	KY0800273 P	LANT ID: A	PLANT NAME:	Martin County Water District	
PWS NAME:	Martin County Water Distri	ict	PLANT CLASS:		
AGENCY INTEREST (AI):	2987		DATE MAILED:	12-09-2014	
SOURCE NAME:	Crum Reservoir		COUNTY:	Martin	
	Tug Fork				
	OPERATOR(S) RESPONSIBLE / IN-	-CHARGE	CLASS	CERTIFICATION NUMBER	
WTP SHIFT 1:	Earl T Alley		1V-A	17562	
WTP SHIFT 2:	Michael Sartin		1V-A	21944	
WTP SHIFT 3:	Jerry L Belcher		1V-A	21719	
DISTRIBUTION:					
THIS REP	ORT MUST BE RECEIVED BY TH	HE DIVISION	OF WATER AND	APPLICABLE FIELD OFFICE	
	NO LATER THAN 10 D	AYS AFTER	THE END OF TH	IE MONTH.	
TREATMENT PLANTS	COMPLETE:				
1. DESIGN CAPACITY (gpm):		1,667			
2. TYPE OF FILTRATION USE		Dual Med	Jia		
3. DESIGN FILTRATION RATE	£ (gpm/eq. ft.):	2.68			
4. PERCENT BACKWASH WA	TER USED:	0.8			
6. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED: #	2 - 3/18/10 #3	3 - 9/2/ 09		
	-				
6. DATE SETTLING BASIN(S)	LAST CLEANED:				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

12-05-2014 DATE



APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 11/2014
PAGE 1 OF 11

	RAW	HOURS	COAGI	JLANT	COAGL	JLANT	pH ADJUS	STMENT	DISINFEC	TANT	DIBINFE	CTANT
	WATER	PLANT OPERATED					Pr	•	Pre		Pot	
DAY	GALLONS		LB8	PPM	LB\$	PPM	LB8	PPM	LBS	PPM	LB8	РРМ
1	1,841,000	24.0	224.2	14.6	4.2	0.3			500.6	32.6	197.1	12.8
2	1,953,000	24.0	224.2	13.8	4.2	0.3			514.4	31.6	203.5	12.5
137	1,884,000	24.0	224.2	14.3	4.2	0.3			554.0	35.3	198,5	12.6
4	1.825,000	23.5	219.5	14.4	4.1	0.3			531.2	34.9	165.1	10.8
5	1,870,000	24.0	224.2	14.4	4.2	0.3			473.8	30.4	159.8	10.2
6 :	1,857,000	24.0	224.2	14.5	4.2	0.3			491.2	31.7	159.8	10.3
7	1.891.000	24.0	224.2	14.2	4.2	0.3			432.2	27.4	163.7	10.4
8	1,829,000	24.0	224.2	14.7	4.2	0.3			396.2	26.0	182.0	11.9
9	1,761,000	23.5	219.5	14.9	4.1	0.3			415.2	28.3	192.8	13.1
10	1,854,000	23.5	176.3	11.4	4.1	0.3			428.0	27.7	183.1	11.8
41	1.858.000	24.0	155.0	10.0	4.2	0,3			438.0	28.3	183.5	11.8
12	1,844,000	24.0	155.0	10.1	4.2	0.3			388.3	25.2	183.1	11.9
13	1,876,000	24.0	155.0	9.9	4.2	0.3			380.6	24.3	183.2	11.7
14	1,844,000	24.0	155.0	10.1	4.2	0.3			389.8	25.3	191.2	12.4
15	1,876,000	24.0	155.0	9,9	4.2	0.3			380.8	24.3	213.1	13.6
16	1,825,000	24.0	155.0	10.2	4.2	0.3			405.6	26.6	197.0	12.9
17	1_856,000	24.0	155.0	10.0	4.2	0.3			380.6	24.6	194.6	12.6
18	1,839,000	23.5	155.0	10.1	4.1	0.3			390.2	25,4	190.6	12.4
19	1,867,000	24.0	155.0	10.0	4.2	0.3			403.0	25.9	187.6	12.0
20	1,834,000	24.0	155.0	10.1	4.2	0.3			390.1	25.5	183.1	12.0
21	1,859,000	24.0	155.0	10.0	4.2	0.3			398.0	25.7	194.6	12.6
22	1,835,000	24.0	155.0	10.1	4.2	0.3			361.3	23.6	194.6	12.7
23	1,851,000	24.0	155.0	10.0	4.2	0.3			364.2	23.6	187.9	12.2
24	1,831,000	24.0	155.0	10.2	4.2	0.3			335.1	21.9	183.1	12.0
25	1,838,000	24.0	155.0	10.1	4.2	0.3			341.8	22.3	183.1	11.9
26	1,802,000	24.0	155.0	10.3	4.2	0.3			324.1	21.6	183.1	12.2
27	1,833,000	24.0	155.0	10.1	4.2	0.3			371.8	24.3	183.2	12.0
28	1,839,000	24.0	155.0	10.1	4.2	0.3			348.8	22.7	183.2	11.9
29	1,832,000	24.0	155.0	10.1	4.2	0.3			311.0	20.4	183.2	12.0
30	1,808,000	24.0	155.0	10.3	4.2	0.3			322.6	21.4	183.2	12.1
31												
TOTAL	55,412,000		5284.7		125.6		0.0		12162.3		5571.6	
AVERAGE	1,847,067		176.2	11.4	4.2	0.3	#DIV/0I	#DIV/0I	405.4	26.3	185.7	12.1

1,953,000

MAX

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 11/2014

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500					la series	CHI	MICALD ADDED				CORRORION		H202	
	DISINFEC	TANT	FLUOF	NDE	CARB	NC	pH ADJIL	JATMENT	KMn	04	CORRO		H20:	
							Por	rt						
DAY	LBS	PPM	LBS	PPM	LB8	PPM	LBS	PPM	LB8	PPM	LBS	PPM	LB4	PPM
4	697.7	45.4	60.9	4.0	95.2	6.2			15.9	1.0				
200	717.9	44.1	60.9	3.7	95.2	5.8			15.9	1.0				
3	752.5	47.9	60,9	3.9	95.2	6.1	3		15.9	1.0				
4	696.3	45.7	59,6	3.9	95.2	6.3			15.5	1.0				
5	633.6	40.6	80.9	3.9	95.2	6.1			15.9	1.0				
6	651.0	42.0	80.9	3.0	95.2	6.1			15.9	1.0				
7	595.9	37.8	60.9	3.9	95.2	6.0			15.9	1.0				
8	578.2	37.9	60.9	4.0	95,2	6.2			15.9	1.0				
0	0.808	41.4	59.6	4.1	59.6	4.1			15.5	1.1				
10	621.5	40.2	59.6	3,9	93.3	6.0			15.5	1.0				
12	611.1	39.4	60.9	3.9	95.2	6.1			15.9	1,0				
12	571.4	37.2	80.9	4.0	95.2	6.2			15.9	1.0				
13	563.8	36.0	80.9	3.9	95.2	6.1			15.9	1.0				
14	681.0	37.8	60.9	4.0	95.2	6.2			15.9	1.0				
15	593.7	37.9	60.9	3.9	95.2	8.1			15.9	1.0				
16	602.6	39.6	60.9	4.0	95.2	6.3			15.9	1.0				
17	575.2	37.2	60.9	3.9	95.2	6.2			15.9	1.0				
18	580.8	37.9	60.9	4.0	93.3	6.1			15.5	1.0				
10	690.6	37.9	60.9	3.9	95.2	6.1			15.9	1.0				
20	573.2	37.5	60.9	4.0	95.2	6.2			15.9	1.0				
21	592.6	38.2	60.9	3.9	95.2	6.1			15.9	1.0				
22	555.9	36.3	60.9	4.0	95.2	6.2			15.9	10				
23	552.1	35.8	60.9	3.9	95.2	6.2			15.9	1.0				
24	518.2	33.9	60,9	4.0	95.2	6.2			16.9	1.0				
25	524.9	34.2	60.9	4.0	95.2	6.2			15.9	1.0				
26	507.2	33.7	60.9	4.1	95.2	8.3			15.9	1.1				
27	555.0	38.3	60.9	4.0	95.2	8.2			15.9	1.0				
28	532 0	34.7	60.9	4.0	95.2	6.2			15.9	1.0				
29	494.2	32.3	60.9	4.0	95.2	6.2			15.9	1.0				
30	505.8	33.5	60.9	4.0	95.2	6.3			15.9	1.1				
31														
TOTAL	17,733.9		1,823.1		2,816.6		0.0		475.3		0.0		0.0	
AVERAGE	591.1	38.4	8 08	3.9	93.9	6.1	#DIV/01	#DIV/01	15.8	1.0	#DIV/0I	#DIV/01	#DIV/01	#DIV/0

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 11/2014

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APPL	ICA	BL	EII	0	ALL	PLAN	TS

2003		- T	10 St. 10	Control of the	ANALYTIC	AL RESULTS	mg/L OR F	PM UNLESS	OTHERWIS	E SPECIFIED	PAGE	VE YEAR	(No to	THE VENTER
		рН		TO:	TAL		TAL NESS	TOP	CHLORINE	RESIDUAL	INT		TURBIDITY (	
		TOP OF	740	RAW	TAP	RAW	TAP	FIL'	FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
DAY	RAW	FILTER	TAP		114	175	178	0.78	0.69	1.99	1.87	2.32	0.12	0.06
1	7.75	7.71	7.63	113			168	0.76	0.65	2.00	1.90	2.64	0.11	0.06
2	7.75	7.70	7.61	95	95	166		0.70	0.85	2.07	2.01	2.54	0.13	0.06
3	7,73	7.69	7.59	100	106	163	167			2.01	1.97	2.42	0.12	0.05
4	7.75	7.72	7.62	107	111	147	152	1.00	0.93		1.87	2.47	0.12	0.05
8	7.72	7.72	7.60	115	111	145	150	0.94	0.86	1.95			0.13	0.05
6	7.69	7.72	7.62	120	117	147	143	0.85	0.76	1.91	1.85	2.09		0.05
7	7.73	7.73	7.59	93	97	155	160	0.87	0.81	1.89	1.84	2.07	0.12	0.05
8	7,74	7.66	7.58	103	108	147	151	0.69	0.62	1.95	1.88	1.73	0.11	
9	7.72	7.65	7.56	88	91	150	152	0.70	0.61	2.06	1.98	1.93	0.12	0.06
10	7,72	7.68	7.56	100	105	138	144	0.79	0.72	2.01	1.93	1.66	0.11	0.05
11	7.70	7.68	7.57	94	99	140	144	0.80	0.73	1.98	1.92	1.60	0.13	0.05
12	7.65	7.72	7.61	92	94	140	135	0.72	0.64	2.00	1.91	1.57	0.12	0.05
13	7.72	7.72	7.80	98	103	143	140	0.69	0.61	1.97	1.91	1.57	0.12	0.05
14	7.79	7.72	7.62	91	95	139	144	0.64	0.57	1.88	1.82	1.48	0.12	0.05
15	7.70	7.67	7.59	86	90	145	149	0.66	0.59	2.03	1.95	1.36	0.14	0.05
16	7.78	7.66	7.56	80	83	138	143	0.74	0.66	2.07	2.00	1.55	0.13	0.06
17	7.74	7.67	7.57	91	95	144	148	0.65	0.58	1.90	1.84	1.29	0.14	0.06
18	7.78	7.75	7.65	94	97	148	149	0.70	0.62	1.92	1.85	1.54	0.16	0.05
19	7.79	7.77	7.63	92	96	130	135	0.71	0.63	1.88	1.83	1.97	0.18	0.08
20	7.77	7.71	7.57	82	85	125	122	0.67	0.57	1.85	1.79	2.70	0.19	0.07
21	7.71	7.63	7.52	82	78	115	112	0.67	0.59	1.87	1.82	3,15	0.16	0.05
22	7.63	7.64	7.50	75	80	120	114	0.70	0.64	1.90	1.84	3.25	0.14	0.05
23	7.65	7.68	7.65	75	78	121	117	0.74	0.66	1.91	1.86	3.05	0.18	0.05
24	7.73	7.65	7.51	71	76	120	124	0.69	0.62	1.85	1.81	2.99	0.21	0.06
25	7.72	7.68	7.53	68	73	124	129	0.71	0.64	1.86	1.79	3.00	0.18	0.08
28	7.69	7.66	7.54	100	95	110	105	0.66	0.59	1.92	1.85	2.94	0.19	0.06
27	7.62	7.67	7.52	75	78	122	125	0.64	0.56	1.89	1.83	2.76	0.18	0.06
28	7.74	7.65	7.53	75	78	118	120	0.75	0.66	1.94	1.86	2.44	0.18	0.07
29	7.72	7.64	7.55	77	80	120	122	0.76	0.67	1.99	1.91	2.35	0.18	0.07
30	7.79	7.64	7.53	74	77	128	130	0.81	0.71	2.06	1.98	2.25	0.18	0.06
31 AVERAGE	7.7	7.7	7.6	90	93	137	139	0.75	0.67	1.95	1.88	2.22	0.15	0.06

### OPTIONAL INFORMATION-Surface Water Plants Only

KY0800273 PWS ID :

Α

PLANT ID: 2987

AGENCY INTEREST: 2987 REPORT MONTH/YEAR:

11/2014

WATER TREATMENT PLANT MONTHLY OPERATION REPORT AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA COPY PAGE AS NEEDED

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

PAGE 4

OF

	RAW DAILY		SEDIME	NTATION B	ASIN EFFLI		AT THORE IS	EBULTS (N)			L FILTER E	IM			CFE DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	H7	MAXIMU
	2.32		0.16	0.12						0.07	0.06	0.07	0.04		0.06
2	2.64		0.11	0.11						0.07	0.06	0.10	0.14		0.07
3	2.54		0.21	0.19						0.07	0.06	0.07	0.05		0.06
Value of	2.42		0.14	0.14						0.07	0.07	0.07	0.05		0.07
76	2.47		0.17	0.18						0.07	0.06	0.07	0.04		0.06
6	2.09		0.14	0.14						0.07	0.06	0.12	0.06		0.07
7	2.07		0.14	0.12						0.06	0.06	0.07	0.04		0.06
8	1.73		0.14	0.10						0.07	0.07	0.07	0.04		0.07
9	1.93		0.12	0.11						0.07	0.06	0.07	0.04		0.06
10	1.68		0.15	0.14						0.06	0.06	0.11	0.07		0.07
11	1.60		0.20	0.15						0.07	0.06	0.06	0.04		0.06
12	1.57		0.13	0.12						0.07	0.07	0.07	0.04		0.06
13	1.57		0.15	0.13						0.07	0.06	0.07	0.04		0.06
14	1.48		0.14	0.12						0.06	0.06	0.08	0.05		0.06
15	1.36		0.18	0.16						0.06	0.06	0.07	0.04		0.06
18	1.55		0.16	0.14						0.07	0.07	0.07	0.03		0.08
17	1.29		0.21	0.15						0.07	0.06	0.08	0.04		0.06
18	1.54		0.18	0.19						0.07	0.05	0.09	0.05		0.0
19	1.97		0.20	0.22						0.07	0.06	0.09	0.04		0.0
20	2.70		0.21	0.22						0.08	0.08	0.11	0.04		0.0
21	3.15		0.18	0.18						0.07	0.06	0.08	0.04		0.0
22	3.25		0.18	0.15						0.06	0.06	0.09	0.06		0.0
23	3.05		0.27	0.16						0.06	0.06	0.08	0.04		0.0
24	2.99		0.23	0.34						0.08	0.07	0.09	0.04		0.0
25	3.00		0.20	0.18						0.07	0.07	0.09	0.04		0.0
26	2.94		0.24	0.19						0.07	0.06	0.10	0.08		0.0
27	2.76		0.19	0.19						0.07	0.08	0.08	0.06		0.0
28	2.44		0.22	0.18						0.07	0.07	0.09	0.07		0.0
29	2.35		0.19	0.20						0.07	0.08	0.10	0.08		0.0
30	2.25		0.21	0.21						0.06	0.06	0.11	0.07		0.0
31															_
AVERA	2.2	#DIV/01	0.2	0	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.07	0.06	0.08	0.05	#DIV/0	0.0

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

1.55

0

30

Number of readings

For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L 2.70

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

PAGE

11/2014

11

OF

*Please answer	Y/N	question	below	this	char	Ł.
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	FLUORIDE		ANALYTICAL RI		SULTS (mg/L OR PPM UNLE MANGANESE		SS OTHERWISE SPECIFIED		Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHE8	F ⁰ /C ⁰
1	0.29	1.01	0.08	0.03	0.06	0.01			1.75	0.5	14.9
2	0.31	1.14	0.11	0.03	0.06	0.01			1.75	0.1	15.3
3	0.31	1.07	0.11	0.03	0.05	0.01			1.80	0.0	14.4
4	0.48	1.13	0.12	0.03	0.05	0.01			1.70	0.0	14.1
5	0.32	0.72	0.18	0.03	0.06	0.01			1.80	0.0	13.5
6	0.35	0.85	0.08	0.03	0.05	0.01		. 8	1.80	0.5	13.8
7	0.43	1.03	0.09	0.03	0.05	0.01			1.80	0.1	14.1
8	0.20	1.03	0.08	0.03	0.04	0.01			1.55	0.0	14.1
9	0.22	1.00	0.09	0.03	0.04	0.01			1.80	0.0	13.8
10	0.30	0.99	0.09	0.03	0.04	0.01			1.66	0.0	13.7
11	0.19	0.86	0.09	0.03	0.04	0.01			1.80	0.0	13.4
12	0.20	0.95	0.11	0.03	0.05	0.01			1.85	0.1	13.2
13	0.33	1.02	0.11	0.03	0.05	0.01			1.80	0.0	13.7
14	0.28	0.84	0.09	0.03	0.05	0.01			1.80	0.0	12.9
15	0.35	1.01	0.12	0.03	0.04	0.01			1.80	0.0	11.2
16	0.24	0.99	0.09	0.03	0.05	0.01			1.75	0.0	11.7
17	0.24	0.99	0.10	0.03	0.03	0.00			1.75	0.9	11.8
18	0.26	1.02	0.09	0.03	0.04	0.01			1.70	0.3	10.5
19	0.32	0.84	0.17	0.03	0.07	0.01			1.80	0.0	10.7
20	0.14	0.92	0.13	0.03	0.06	0.01			1.80	0.0	10.3
21	0.20	0.98	0.12	0.03	0.07	0.02			1.80	0.0	10.1
22	0.22	0.94	0.19	0.03	0.06	0.01			1.80	0.0	8.4
23	0.15	1.04	0.14	0.03	0.07	0.01			1.85	0.0	8.6
24	0.28	1.05	0.10	0.03	0.05	0.01			1.80	0.2	9.7
25	0.27	1.09	0.10	0.03	0.04	0.01			1.80	0.0	10.3
26	0.31	0.83	0.24	0.03	0.06	0.01			1.75	0.0	10.7
27	0.25	0.96	0.16	0.03	0.07	0.01			1.80	0.0	9.4
28	0.27	1.07	0.18	0.03	0.06	0.01			1.80	0.0	9.4
29	0.25	1.04	0.19	0.03	0.06	0.01			1.75	0.0	9.0
30	0.29	1.11	0.18	0.03	0.06	0.01			1.75	0.0	9.1
31											
AVERAGE	0.27	0.98	0.12	0.03	0.05	0.01	#DIV/0!	#DIV/01	Monthly Minimum	Rainfall	11.9

Disinfectant Chloramines? (Y/N)

N

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: 11/2014

PAGE 6

		Elemin appare	CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	N W S W		FILTER OPER					
	TOTAL	No:	3	No:	4	No:	- 6	No: AREA (square feet)	160	No: AREA (square foot)	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY.	GALLONS	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HR8	GALLONS	HRB
1	28,000					14,000	90.80	14,000	90.90		
2	0										
3	0										
4	30,000	15,000	95.80	15,000	95.80						
5	0										
6	30,000					15,000	100.00	15,000	100.00		
7	0										
8	30,000	15,000	95.30	15,000	95.30						
9	0										
10	28,000					14,000	95.00	14,000	95.10		-
11	0										
12	30,000	15,000	95.10	15,000	95.10						
13	0										-
14	30,000					15,000	93.50	15,000	94.10		-
15	0										
16	32,000	16,000	94.50	6,000	94.50						
17	0										
18	31,000					16,000	94.90	15,000	94.90		-
19	0										
20	30,000	15,000	95.30	15,000	95.30						
21	0								-		
22	34,000					17,000	98.00	17,000	96.00		-
23	0				-		-				
24	30,000	15,000	95.50	15,000	95.50		-				-
25	0				-		-		-		-
26	30,000				-	15,000	94.80	15,000	94.80		
27	33,000	17,000	87.70	16,000	87.70						
28	0								-		-
29	0										-
30	33,000					17,000	94.80	16,000	94.80		
31	0				-						-
TOTAL	459,000	108,000	659.20	97,000	659.20	123,000	759.80	121,000	760.60	0	0.00
AVERAGE	14,806	15,429	94.171	13,857	94.171	15,375	94.975	15,125	95.075	#DIV/01	#DIV/0

COPY AS NEEDED

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

11/2014

ALL WATER SYSTEMS

OF 11 PAGE DISTRIBUTION SYSTEM OPERATION TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHLORINE WEST NORTH BOUTH BOOSTER BOOSTER DAY LBS LB8 1.40 1.49 1.42 1.50 1.21 1.30 1.28 1.32 0.86 0.94 1.02 0.92 0.86 1.11 0.95 1.06 1.66 1.58 0.25 0.86 0.78 1.42 0.32 1.51 1.20 1.10 0.95 0.90 1.20 1.12 1.17 1.15 4 0.96 1.39 1.35 1.01 1.37 1.31 1,50 1.39 1.52 1.25 1.19 1.59 1.44 1.46 1.30 1.22 ES. 1.46 1.39 1.09 1.31 1.27 1.25 1.18 1.14 0.25 0.39 0,29 0.32 0.49 0.69 0.66 0.54 1.40 1.45 1.09 1.37 0.29 0.23 1,13 1.46 1.59 1.69 1.68 0.80 1.74 1.22 0.84 1.36 10 1.54 1.57 1.16 1.03 1.38 1.55 1.44 1.59 34 1.15 1.63 1.58 0.69 0.65 1.18 1.67 1.54 12 1.19 1.16 0.61 0.74 1,59 1.54 1.15 1.10 0.93 0.89 1.59 1,58 0.37 1.17 0.41 1.25 14 1,71 1.64 1,32 1.39 1.33 1.34 1.37 1.31 15 1.68 1.61 1.36 1.29 0.89 0.82 1.37 1.48 15 1.21 1.31 0.31 0.24 1.53 1.51 1.28 1.34 1.62 1.64 0.83 0.54 1.33 1.30 1.56 1.49 18 1.48 1.62 1,61 1.48 1.32 1.33 1.35 1.30 19 1.50 1.58 1.34 1.23 1.40 1.31 1.33 1.21 20 1.55 1.33 1.27 1.56 0.57 0.61 1.17 1,12 21 1.53 1.50 1.46 1.31 1.74 1.68 1.46 1.38 1.55 0.96 0.87 1.49 1.63 1.62 1.60 1.57 23 1.49 1.40 1.29 1.31 1.08 1.04 1.31 1.41 24 0.57 1.26 1.19 0.69 1.39 1.33 1.19 1.14 28 1.07 1.08 1.38 0.92 1.44 1.55 1.48 1.08 26 1.55 1.59 1.59 1.57 1.64 1.59 1.45 1.34 1.61 1.55 1.26 1.30 1.20 1.46 1.33 1.51 28 1.24 1.22 1.40 1.32 1.33 1.51 1.27 1.45 29 1.44 1.67 1.65 1.52 1.38 1.33 1.39 1.31 1.28 1.21 1.40 1.34 0.99 1.32 1.05 #DIV/01 #DIV/01 1.39 AVERAGE 0.39 0.32 0.29 0.0 0.0 0.54 TOTAL 0.29 0.25 0.49 0.23 30 30 30 30 30 Total & Chlorine Samples

0

Total # Less then 0.2 mg/L

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation? N 30

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

T	URBIDITY RE	EPORT			P	LANT ID:	Α		
100	APPLICABL	E TO ALL PL	ANTS WITH FIL	TRATION	Report Period (I	MM/YYYY):	11/20	014	PAGE:
WS N	ıme:	Martin	County Water D	District					8 OF <u>11</u>
DAY	Hours Plant Operated S	# of Turbidity amples Required*	Mid - 4 am	4 am + 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	8 pm - Mid	Daily Maximum
10	24.0	6	0.06	0.06	0.08	0.06	0.06	0.06	0.062
2	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.068
3	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
4	23.5	6	0.07	0.06	0.06	0.06	0.06	0.06	0.066
8	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
6	24.0	6	0.06	0.07	0.06	0.06	0.06	0.06	0.068
7	24.0	6	0.06	0.06	0.05	0.06	0.06	0.06	0.059
8	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.067
9	23.5	6	0.06	0.06	0.06	0.06	0.06	0.06	0.058
10	23.5	6	0.06	0.06	0.05	0.06	0.06	0.06	0.057
31	24.0	6	0.06	0.07	0.06	0.05	0.06	0.06	0.069
12	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
13	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
14	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
16	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
16	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
17	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
10	23.5	6	0.06	0.07	0.06	0.06	0.06	0.06	0.065
19	24.0	6	0.06	0.06	0.06	0.06	0.07	0.07	0.069
20	24.0	6	0.07	0.08	0.07	0.07	0.07	0.07	0.080
21	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
22	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.063
23	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.065
24	24.0	6	0.07	0.07	0.07	0.07	0.07	0.07	0.071
26	24.0	6	0.07	0.07	0.07	0.06	0.07	0.07	0.066
26	24.0	6	0.07	0.08	0.07	0.07	0.07	0.07	0.076
2/	24.0	6	0.07	0.07	0.07	0.07	0.07	0.08	0.080
28	24.0	6	0.07	0.08	0.08	0.07	0.08	0.08	0.080
29	24.0	6	0.08	0.08	0.08	0.08	0.09	0.08	0.090
30	24.0	6	0.09	0.06	0.06	0.06	0.06	0.06	0.090
31	0.0	0							0.000
Total	718.0	180				AL # OF TURBIDIT	Y SAMPLES TAKEN -	180	0.090
	OU USING EITHE		IAL or DIRECT FI	LTRATION? (Y/I	v) Y				
	e of filtration besides al ber of samples ex		0.1 NTU	0	0.3 NTU	0	1 NTU	0	_
	For slow sand filt	•	per of samples ex	ceeding>	1 NTU		5 NTU	//	_
					nours the plant oper	ated divided by	4 rounded		
up to	the next whole nu	ımber.							
I certi	fy that the above	e turbidity read	ings were taken	every 4 hours	during plant opera	tion and in the	time frames not	ed above.	10
-	Signature of Princi	ipal Executive Of	ficer or Authorized	Agent			12-05-2	late	_

KY0800273

PWS ID:

NE DIO NE DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE L	A)	PPLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRAHOR	
INDIVIDUAL FILT	ER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	irtin County Water Dis	trict		
PWS ID:	KY08	00273			
PLANT ID:		A			
Report Period (MM/YY	YY):	11/2	2014		
If any filter exces	aded any one of th	ne individual filter	turbidity triagers t	pelow.	
(also listed on th	ne Summary Shee	t ), complete the fe	ollowing and subn	nit	
the appropriate					PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (If known)	Date and Time State was Contacted
Date	California	No.	U III ASOMA		
					-
	ļ				-
			-		
					Φ.
	1				
	.1				

### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	11/2014							
0=		NOTE: COMPLE	TE ALL	LL APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS ARI								
				POPULATED FOR YOU!!!		-						
		THE RESERVE OF THE PERSON NAMED IN	MANAGEMENT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	ORMATION O ALL PLANTS	CONTRACTOR DESCRIPTION	CERTS.						
DI ANTID A		APPLIC			5,412,000							
PLANT ID A	Martin County W	Intor Dietrict			,847,067	_						
PLANT NAME AGENCY INTER		ater District	-		,953,000							
AGENCY INTER	2507											
Harris Warfall Control				FFLUENT TURBIDITY		APRIL DE						
		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION								
ANALYTE CODE	0100											
	nonitored continuously? (Y	//N)			N	Y						
	ents recorded every 15 m		NAME OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY			Y						
Was there a failu	re of the continuous moni	toring equipment? (	Y/N)	***************************************		N						
If Yes, (1) w	ere individual filter effluen	t turbidity grab samp	les collec	ted every four hours of operation? (Y/N)								
(2) W	as the continuously monito	oring equipment repa	ired with	n 5 working days? (Y/N)								
Was individual fil	Iter level greater than 1.0 l	NTU in two consecut	ive meas	urements? (Y/N)		N						
Was individual fil	iter level greater than 0.5	NTU in two consecut	ive meas	urements after on line for more than four hours?	(Y/N)	N						
Was individual fil	Iter level greater than 1.0	NTU in two consecut	ive meas	urements in three consecutive months? (Y/N)		N						
Was individual fil	Iter level greater than 2.0	NTU in two consecut	in two consecutive measurements in two consecutive months? (Y/N)									
If any of the last	t 4 boxes are YES, fill ou	t the Individual Fil	he Individual Filter Turbidity Sheet and submit with the MOR									
	MBINED FILTER EFFLUE			ENTRY POINT RESIDUAL DISINFECTANT	CONCENTRAT	ON						
	ABLE TO ALL PLANTS			APPLICABLE TO ALL PLAN								
ANALYTE CODE	F 0100			ANALYTE CODE 0999								
	of plant operation		718.0	Number of days of plant operation		30						
	sken every 4 hours of plan	t operation? (Y/N)	Y	Were samples taken each day of operation? (Y/	/N)	Y						
Number of samp		(1117)	180	Number of lowest chlorine samples recorded		30						
Highest single tu	***********		0.09	Lowest single chlorine reading		1.55						
	xcept slow sand filtration:			If less than required:								
	amples exceeded 0.1 NTU		0	Was residual restored within 4 hours of plant op-								
1	amples exceeded 0.3 NTL		0	Free Chlorine (for all disinfectants except chloro	mine):							
Number of sa	amples exceeded 1 NTU		0	Number of samples under 0.2 mg/L		0						
When filtration is	s slow sand filtration:			Total Chlorine (when disinfectant is Chloramine)	):							
Number of se	amples exceeded 1 NTU			Number of samples under 0.5 mg/L								
Number of sa	amples exceeded 5 NTU											
CHLOR	INE DIOXIDE ENTRY PO	INT MONITORING	emissis:	CHLORITE ENTRY POINT MON	TORING							
APPLICABL	E TO PLANTS UTILIZIN	G CHLORINE DIOX	DE	APPLICABLE TO PLANTS UTILIZING CH	LORINE DIOXID	DE						
ANALYTE COD				ANALYTE CODE 1009								
	of plant operation		30	Number of days of plant operation		30						
	aken each day of operatio	n? (Y/N)		Were samples taken each day of operation? (Y.	/N)							
Number of samp	oles taken		0	Number of complex taken		0						
	hlorine dioxide reading		0.00	Highest single chlorite reading		0.00						
	ine dioxide samples excee	eded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L		0						
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

12-05-2014 Date

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MON	NITORING PERIOD	(MMYYYY) <b>1</b>	1/2014
AI 2987		NOTE: COMPL	ETE ALL	APPLICABLE	FIELDS!!! NOT	ALL OF THE FIE	LDS ARE PRE-
2001				POPUL	ATED FOR YOU!	11	
N BURE AND	PURCHASE	D			S	OLD	
				WATER SYST	TEMS		10 / - 11 1
FROM WHO	M? (PWS ID)	HOW MUCH? (gallor		TO WHO	OM? (PWS ID)	HOW MUC	H? (gallons)
WV3303003		44	2,000			W	
KY0980575			0				
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		DISTRIBUTION RESI	DUAL DISI	L WATER SYS	TEMS		Wileys And Hilliam Co.
ANALYTE CODI	= 0999	APPLICAL	DLE TO AL	L WAIER 313	/ LING		
			30	Free Chlorine	(for all disinfectants	except chloramin	e)
Number of days	aken each day of opera	ation? (V/N)	Y		samples under 0.2		0
Number of samp			11.5		(when disinfectant	,	
FREE			120		samples under 0.5		
TOTAL			120	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	REE chlorine reading	***************************************	0.23				
	OTAL chlorine reading		0.29				
Lowest single 10	TAL GIIOTHIB TRACING		0.20				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

12-05-2014

JAN 15 2015

### KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

with "X" GROUNDWATER MONTH & YEAR (mm/yyyy) 12/2014 PURCHASE/DISTRIBUTE ONLY DEP Form 4012-Revised 07/2006 Martin County Water District PLANT ID: A PLANT NAME: PWS ID: KY0800273 DIST. CLASS: 2 PLANT CLASS: 3 Martin County Water District PWS NAME: DATE MAILED: 01-07-2015 AGENCY INTEREST (AI): 2987 Martin COUNTY: Crum Reservoir SOURCE NAME: Tug Fork **CERTIFICATION NUMBER CLASS** OPERATOR(S) RESPONSIBLE / IN-CHARGE 17562 1V-A Earl T Alley WTP SHIFT 1: 21944 1V-A WTP SHIFT 2: Michael Sartin 21719 1V-A Jerry L Beicher WTP SHIFT 3: DISTRIBUTION: THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH. TREATMENT PLANTS COMPLETE: 1,667 1. DESIGN CAPACITY (gpm): Dual Media 2. TYPE OF FILTRATION USED: 2.66 3. DESIGN FILTRATION RATE (gpm/sq. ft.): 8.0 4. PERCENT BACKWASH WATER USED: #2 - 3/18/10 #3 - 9/2/ 09 5. DATE FLOCCULATION BASIN(S) LAST CLEANED: 6. DATE SETTLING BASIN(S) LAST CLEANED:

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalties under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

01-06-2015



APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 12/2014
PAGE 1 OF 11

									PAGE		OF	
1	RAW WATER	HOURS PLANT	COAGL		COAGU		pH ADJUS		DISINFE		DISINFE	CTANT
	TREATED	OPERATED					Pro		Pn		Po	
DAY	GALLON8		LBS	PPM	LB8	PPM	LBS	PPM	LBS	PPM	LB8	PPM
1	1,783,000	24,0	155.0	10.4	4.2	0.3			321.2	21.6	173.2	11,6
2	1,827,000	24.0	155.0	10.2	4.2	0.3			311.0	20.4	159.8	10.5
3	1,832,000	24.0	155.0	10.1	4.2	0.3			311.0	20.4	159.8	10.5
4	1,784,000	24.0	155.0	10.4	4.2	0.3			311.0	20.9	159.8	10.7
	1,832,000	24.0	249.0	16.3	4.2	0.3			257.8	16.9	174,7	11.4
6	1,822,000	24.0	274.8	18.1	4.2	0.3			287.5	18.9	169.2	11.1
7	1,856,000	24.0	274.8	17.8	4.2	0.3			312.4	20.2	169.2	10.9
В	1,839,000	24.0	274.8	17.9	4.2	0.3			347.2	22.6	175.1	11.4
9	1,848,000	24.0	195,4	12.7	4.2	0.3			303.6	19.7	169,2	11.0
10	1,869,000	24.0	155.0	9.9	4.2	0.3			275.5	17.7	169.2	10.9
11	1,867,000	24.0	155.0	10.0	4.2	0.3			308.7	19.8	169.2	10.9
12	1,834,000	23,5	151,8	9,9	4.1	0.3			311.1	20.3	174.0	11.4
3.5	1,855,000	24.0	155.0	10.0	4.2	0.3			296.6	19.2	183.1	11.8
13	1,830,000	24.0	155.0	10.2	4.2	0.3			287.6	18.8	179.6	11.8
14	DOS CONTROL CONTROL	24.0	155.0	10.0	4.2	0.3			287.6	18.6	146.9	9,5
4.5	1,855,000	23.5	151.8	9.9	4.1	0,3			276.4	18.0	165.7	10.8
16		24.0	155.0	9.9	4.2	0.3			246.1	15.8	169.2	10.9
17	1,869,000	24.0	155.0	10.1	4.2	0.3			244.4	16.0	183.1	12.0
18	1,835,000		155.0	10.4	4.2	0.3			254.8	17,1	183.1	12.3
19	1,786,000	24.0			4.2	0.3			248.1	16.2	183,1	12,0
- 20	1,833,000	24.0	155.0	10.1		0.3			248.1	16.3	183.1	12.0
91	1,823,000	24.0	155.0	10.2	4.2	0.3			241.8	16.0	183.1	12.1
22	1,807,000	24.0	155,0	10.3	4.2				233.6	15.7	179.3	12.1
23	1,782,000	23.5	181.7	12.2	4.1	0.3			248.1	16.2	168.1	11.0
2.6	1,837,000	24.0	257.4	16.8	4.2	0.3			248.1	16.4	159.8	10.5
26	1,818,000	24.0	257.4	17.0	4.2	0.3				16.3	156.5	10.4
28	1,803,000	24.0	189.2	12.6	4.2	0.3			245.8			10.9
977	1,814,000	24.0	155.0	10,2	4.2	0.3	-		253.4	16.7	165.1	
28	1,793,000	24.0	155.0	10.4	4,2	0.3			248.1	16.6	165.1	11.0
49	1,795,000	24.0	155.0	10.4	4.2	0.3			248.1	16.6	159.8	10.7
30	1,831,000	24.0	155.0	10.2	4.2	0.3			255.8	16.8	159.8	10.5
31	1,804,000	24.0	155.0	10.3	4.2	0.3		i i u sanari	255.8	17.0	159.8 5255.7	10.6
TOTAL	56,602,000		5558.1		129.9		0.0	#D0 4/01	8526.3	40.4	169.5	11.1
AVERAGE	1,825,871		179.3	11.8	4.2	0.3	#DIV/01	#DIV/0I	275.0	18.1	108.5	1 (1.1

P	PPLICAE	LE TO A	LL PLAI	vYS	
		1	New Williams	<b>州外300-1000</b>	100

29.2

444.4

AVERAGE

60.8

4.0

92.9

PWS ID: KY0800273 PLANT ID:

12/2014 REPORT MONTH/YEAR:

OF PAGE OHEMICALS ADDED H202 CORROSION KMnO₄ **DH ADJUSTMENT** FLUORIDE CARBON DISINFECTANT INHIBITOR LBB LBS PPM LB8 PPM LB8 PPM LB9 PPM LBS PPM LBS DAY 15.9 1.1 95.2 33.2 60.9 4.1 494.4 15.9 1.0 6.2 4.0 95.2 470.8 30.9 60.9 15.9 1.0 95.2 6.2 470.8 30.B 60.9 4.0 15.9 1.1 470.8 60.9 4.1 95.2 6.4 31.6 1.0 15.9 -5 95.2 6.2 60.9 4.0 432,5 28,3 6,3 15.9 1.0 95.2 4.0 456.7 30.1 60.9 15.9 1.0 31.1 60.9 3.9 95.2 6.2 481.6 1.0 15.9 4.0 95.2 8.2 a. 522.3 34.1 60.9 6.2 15.9 1.0 95.2 4.0 30.7 8.08 472.8 15.9 1.0 95.2 6.1 10 444.7 28.5 60.9 3.9 1.0 15.9 4.5 11 30.7 60.9 3.9 69.5 477.9 1.0 15.6 3.9 12 485.1 31.7 59.0 15.9 1.0 3.9 60.9 479.7 31.0 10 467.6 30.6 60.9 4.0 28.1 60.9 3.9 15. 434.5 28.8 59.6 3.9 442.1 60.9 3.9 415.3 26.6 427.5 27,9 60.9 4.0 29.4 60.9 4.1 437.9 28.2 60.9 4.0 431.2 28.4 60.9 4.0 431.2 4.0 28,2 60.9 424.9 412.9 27.8 69.6 4.0 416.2 27.2 60.9 4.0 60.9 4.0 26 407.9 26.9 26.8 60.9 4.1 26 402.3 4.0 27.7 60.9 418.5 407.9 27.3 60.9 4.1 27.2 60.9 4.1 407.9 30 415.6 27.2 60.9 4.0 4.0 60.9 415.6 27.6 0.0 208.4 0.0 1,021.5 0.0 1.884.0 13,777.1 TOTAL #DIV/0! #DIV/0I #DIV/0I

#DIV/0I

6.1

#DIV/01

15.9

1.0

#DIV/0I

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALE PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

3

PAGE

OF

12/2014

		rest li		TO		AURESULTS TO		PMEUNUESS	CHLORINE	E SPECIFIED			TURBIDITY (	NTU)
	1	TOP OF		ALKAI	LINITY	HARD		TOP FILT	OF	PLA TA			SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7.69	7.61	7.48	70	75	129	135	0.85	0.77	2.02	1.93	2.35	0.20	0.06
2	7.69	7.63	7.50	72	75	120	122	0.75	0.68	1.96	1,90	2.21	0.19	0.05
,	7.76	7.73	7.60	78	80	125	123	0.74	0.65	1,95	1.90	2.41	0.24	0.05
, i	7.74	7.76	7.59	85	88	142	146	0.78	0.72	1.99	1.92	2.28	0.33	0.06
.5	7.83	7.71	7.60	83	88	142	146	0.74	0.67	1.97	1.89	2.21	0,19	0.06
6	7.74	7.53	7.45	85	88	139	144	0.67	0.60	2.00	1.94	2.15	0.10	0.05
7	7.69	7.58	7.49	69	73	142	145	0.67	0.60	1.94	1.91	2.39	0.12	0.05
į.	7.75	7.59	7.49	80	84	136	140	0.72	0.66	1.99	1.95	2.48	0.12	0.05
	7.73	7.61	7.50	82	82	141	146	0.71	0.63	1.94	1.87	2.90	0.11	0.05
10	7.67	7.57	7.47	76	78	117	120	0.68	0.59	1.93	1.87	2.68	0.11	0.05
11	7.66	7.58	7.46	66	70	118	122	0.72	0.65	1.95	1.88	2.84	0.18	0.05
12	7.67	7.56	7.44	63	66	104	108	0.76	0.69	1.94	1.88	3.42	0.16	0.05
115	7.58	7.43	7.32	58	61	105	111	0.74	0.69	1.90	1.85	3.48	0.16	0.05
1/4	7.57	7.46	7.34	54	58	110	115	0.81	0.75	2.05	2.01	3.27	0.16	0.05
16	7.57	7.52	7.40	54	58	114	120	0.77	0.69	1.98	1.93	3.14	0.17	0.05
16	7.62	7.55	7.73	68	69	113	116	0.78	0.69	1.99	1.91	2.97	0.15	0.05
17	7.63	7.60	7.48	88	84	115	111	0.78	0.70	1.97	1.91	2.80	0.17	0.05
10	7.67	7.61	7.48	73	68	93	109	0.59	0.53	1.86	1.80	2.75	0.22	0.05
19	7.70	7.63	7.49	65	68	123	128	0.63	0.57	1.91	1.85	2.66	0.24	0.05
40	7.68	7.60	7.46	64	68	124	128	0.66	0.58	2.00	1.94	2.55	0.22	0.05
24	7.77	7.66	7.52	64	68	116	121	0.75	0.70	2.03	1.97	246	0.23	0.05
72	7,67	7.61	7.47	65	69	119	123	0.73	0.66	2.05	2.01	2.38	0.23	0.06
2.5	7.73	7.71	7.55	71	72	131	124	0.72	0.65	1.88	1.81	2,41	0.23	0.07
24	7.79	7.71	7.58	79	76	125	120	0.73	0.60	1.95	1.88	2.24	0.19	0.06
- 25	7.86	7.66	7.56	78	76	133	138	0.72	0.65	1.96	1.87	2.43	0.11	0.05
26	7.81	7.69	7.53	79	76	136	141	0.76	0.70	1.93	1.87	2.33	0.12	0.05
200	7.78	7.64	7.50	85	82	142	146	0.77	0.70	2.04	1.98	2.71	0.13	0.05
28	7.80	7.67	7.54	80	76	128	134	0.77	0.70	2.06	2.00	2.66	0.13	0.05
19	7.79	7.66	7.54	83	80	124	129	0.77	0.71	1.95	1.91	2.53	0.12	0.05
28 29 39	7.80	7.69	7.56	85	80	121	125	0.73	0.64	1.92	1.87	2.48	0.11	0.05
31	7.76	7.71	7.55	80	75	120	125	0.71	0.65	1.94	1.89	2.36	0.11	0.05
AVERAGE	7.7	7.6	7.5	74	75	124	128	0.73	0.66	1.97	1.91	2.62	0.17	0.05

### OPTIONAL INFORMATION—Surface Water Plants Only

PWS ID: KY0800273

KY0800273 A

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

PLANT ID: A
AGENCY INTEREST: 2987
REPORT MONTH/YEAR:

12/2014

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

COPY PAGE AS NEEDED

PAGE 4

OF 1'

330		OPY PAGE A			NEW WAY	ANA	VIII A BE	SULTS INT	U) (I)	100 LX					
	RAW		-		ASIN EFFLU	11/11/11/11	-APARAS III	The state of		NDIVIDUA	L FILTER E	FFLUENT			CFE
	DAILY		#2	DAILY MA	XIMUM #4	#5	#6	#1	#2	#3	LY MAXIMU #4	#5	#6	#7	DAILY MAXIMUN
Y	MAXIMUM	#1	0.25	0.22		-	-			0.07	0.06	0.06	0.05		0.06
	2.35		0.23	0.24						0.07	0.07	0.06	0.03		0.06
	2.21					manufic i e				0.07	0.06	0.06	0.03		0.06
	2.41		0.28	0.27						0.07	0.07	0.10	0.07		0.08
	2.28	775-31-1	0.35	0.44						0.07	0.06	0.11	0.04		0.08
	2.21		0.28	0.10						0.06	0.06	0.06	0.03		0.05
	2.15		0.13	0.17						0.06	0.05	0.06	0.03		0.06
	2.39		0.23	0.17						0.06	0.05	0.07	0.03		0.06
	2.48		0.13	0.10						0.05	0.05	0.05	0.02		0.06
	2.90		0.14							0.06	0.05	0.05	0.03		0.06
	2.68		0.14	0.16						0.06	0.05	0.05	0.03		0.06
	2.84		0.45	0.16						0.06	0.05	0.07	0.04		0.06
2	3.42		0.18	0.16						0.06	0.05	0.07	0.03		0.06
	3.48		0.19	0.21						0.07	0.06	0.07	0.03		0.06
•	3.27		0.20	0.18						0.06	0.05	0.09	0.03		0.06
	3.14		0.21	0.15						0.06	0.05	0.07	0.04	-	0.08
	2.97		0.16	0.30						0.06	0.05	0.06	0.03		0.05
7	2.80		0.29	0.28						0.07	0.06	0.08	0.03		0.06
	2.75			0.23						0.06	0,05	0.07	0.03		0.0
9	2.66		0.64	0.24						0.07	0.05	0.12	0.15		0.0
0	2.55		0.26	0.24						0.06	0.06	0.07	0.03		0.0
1	2.46		0.25	0.27						0.08	0.07	0.13	0.04		0.0
	2.41		0.25	0.28						0.07	0.06	0.10	0.06		0.0
	2.24		0.24	0.24						0.06	0.06	0.10	0.04		0.0
25	2.43		0.14	0.11						0.06	0.05	0.06	0.03		0.0
16			0.14	0.17						0.06	0.05	0.07	0.03		0.0
41	2.71		0.16	0.16						0.06	0.05	0.07	0.02		0.0
	2.66		0.13	0.16						0.06	0.05	0.07	0.04		0.0
245	2.53		0.15	0.14						0.06	0.05	0.06	0.03		0.0
40			0.15	0.12		6				0.06	0.05	0.06	0.02		0.0
50 51			0.13	0.12						0.06	0.05	0.06	0.02		0.0
ERA	553	#DIV/0I	0.13	0	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/0!		0.05	0.07	0.04	#DIV/0	0.0

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS -

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR:

12/2014

*Please answer Y/N question below this chart.

PAGE <u>5</u> OF <u>11</u>

	FLUOI		IR	ОИ	MAN	GANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer FREE / TOTAL	RAINFALL	WATER TEMP. DEGREES F°/C°
DAY	RAW	TAP	RAW	0.03	0.05	0.01	RAW	TAP	1.75	0.0	10.4
	0.27	0.97	0.13		0.05	0.01			1.80	0.4	9.2
2	0.27	1.11	0.26	0.03	0.05	0.01			1 75	0.1	10.9
3	0.30	1.11	0.18	0.03	0.05	0.01			1.83	0.0	10.5
A	0.25	1.07	0.19	0.03	0.05	0.01			1.80	0.3	10.9
5	0.34	1.01	0.21	0.03	0.05	0.01			1.65	0.3	10.9
6	0.24	1.08	0.18	0.03	0.08	0.01			1.75	0.4	10.8
	0.29	1.05	0.22	0.03	0.05	0.01				0.0	10.8
	0.23	1.01	0.17	0.03	0.05	0.01			1.50	0.0	9.8
9	0.26	1.03	0.17	0.03	0.06	0.01			1.80	0.0	9.8
10	0.23	1.05	0.20	0.03	0.05	0.01			1.80	0.0	9.4
-11	0.20	0.86	0.21	0.03	0.06	0.01			1.75	0.0	9.8
12	0.26	1.06	0.20	0.03	0.05	0.01			1.75	0.0	9.8
13	0.24	1.10	0.19	0.03	0.05	0.01			1.75	0.0	9.3
-14	0.24	0.99	0.10	0.03	0.05	0.01			1.80	0.0	9.3
15 16	0.23	1.00	0.23	0.03	0.05	0.01			1.65	0.1	8.8
17	0.32	0.91	0.14	0.03	0.05	0.01			1.75	0.0	8.8
18	0.32	1.04	0.20	0.03	0.06	0.01			1.75	0.0	9.5
19	0.21	0.94	0.20	0.03	0.05	0.01			1.80	0.0	9.3
20	0.13	0.94	0.20	0.03	0.05	0.01			1,90	0.0	9.2
21	0.30	1.13	0.17	0.03	0.05	0.01			1.80	0.0	9.2
22	0.31	1.12	0.20	0.03	0.05	0.01			1.74	0.0	9.0
23	0.33	1.17	0.22	0.03	0.53	0.01			1.70	0.0	8.1
24	0.38	1.05	0.33	0.03	0.08	0.01			1.70	0.2	8.9
25	0.34	1.11	0.21	0.03	0.05	0.01			1.75	0.2	8.6
26	0.29	1.06	0.20	0.03	0.05	0.01			1.75	0.0	8.1
27	0.28	1.18	0.25	0.03	0.05	0.01			1,75	0.0	8.6
28	0.24	1.04	0.23	0.03	0.04	0.01			1.75	0.1	8.8
29	0.25	1.08	0.23	0.03	0.05	0.01			1.80	0.4	8.7
30	0.27	1.04	0.24	0.03	0.05	0.01			1.75	0.0	8.5
31	0.30	1.19	0.19	0.03	0.04	0.01			1.75	0.0	8.8
AVERAGE	0.27	1.05	0.20	0.03	0.07	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Raintall	9.4
HELONGE	7.0	4	des		**		19	saravne v	1.50	-1.00	
								of readings	31	2.5	3

For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L 0

N

APPLICABLE TO AULIPLANTS WITH FILTRATION
------------------------------------------

PWS ID :_ KY0800273 PLANT ID: Α

OF

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REPORT MONTH/YEAR: 12/2014

PAGE

			0.00	100000000000000000000000000000000000000							15°0; 55°10°
	TOTAL WASH WATER	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	180	No: AREA (square feet)	
D.4.V		WABHWATER GALLONS	FILT RUN	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
DAY 1	30,000	15,000	96.60	15,000	96.60	GALLONS	TING				
3.42000	0	10,000	00.00	10,000	00.00						
3	0			<del></del>							
4	31,000		=======			15,000	93.60	16,000	93.60		
.6	0		=======================================							112	
- 6	30,000	15,000	99.00	15,000	99.00	5145H12					
7	0	- november 5-12									
- 8	30,000					15,000	94.90	15,000	94.90		
9	31,000	15,000	91.20	16,000	91.20						
10	0										
11	0										
12	30,000					15,000	94.70	15,000	94.70		
13	0										
14	30,000	15,000	98.80	15,000	98.80						
16	0										
18	31,000					16,000	94.90	15,000	94.90		
17	0										-
18	32,000	16,000	97.20	16,000	97.20						
+ 191	38,000					19,000	92.10	19,000	92.10		
20	0	line -									
21	0						_				
22	30,000	15,000	94.50	15,000	94.50						-
23	33,00					17,000	85.80	16,000	85.90		
24	0										
26	00										
26 27	30,000	15,000	94.60	15,000	94.60		ļ				
27	a e						400.00	45.000	400 70		<del> </del>
26	30,000			10-XIII		15,000	106.60	15,000	106.70		
29 30	30,000	15,000	91.00	15,000	91.00		-				
30	0										<del> </del>
31	0						000.00	444 222	000.00		0.00
TOTAL	433,000	121,000	762.90	122,000	782.90	112,000	662.60	111,000	662.80	0	0.00
AVERAGE	14,931	15,125	95.363	15,250	95.363	16,000	94.657	15,857	94.686	#DIV/01	#DIV/01

**COPY AS NEEDED** 

AULWATER SYSTEMS

PWS ID: KY0800273
PLANT ID: A

OF

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REPORT MONTH/YEAR: 12/2014

PAGE

CHLO				- A	TOTAL	(T) AND FREE (F) C	HLORINE RESIDUAL	(ppm)		07	
6008	TER	BOOSTER		NOF	RTH F	T SOL	TH F	T EAS	F F	T	ST F
LB	8	LBS		T		1,52	1,47	0,42	0.41	1.50	1.4
				1.63	1.62	1.68	1.83	0.51	0.45	1.62	1.5
	-			1,69		1.56	1.53	0.69	0.62	1,59	1.5
				1,48	1.39	1,28	1.24	1.29	1.22	1.44	1.3
				1,18	1.10		1.56	1.63	1.61	1.82	1.6
				1.50	1.45	1.61 0.57	0.47	1.54	1.46	1.71	1.6
			Programme and the second	1.61	1.55	0.73	0.68	1.53	1,46	1.73	1.6
_				1.60	1.57	0.68	0.62	1.85	1.82	1.16	1.0
		· · · · · · · · · · · · · · · · · · ·		1.58	1,50 0,95	1.42	1.30	1.59	1.58	1.52	1.5
			H-CO	1,08	1,86	1.47	1.38	1.75	1.66	1.74	1.0
	-			1.75	1.61	1,48	1.43	1.65	1.62	1.74	1.6
		:	10.5	1.70	1.64	1,63	1.59	1.73	1.70	1.80	1.7
				1.24	1.18	1.00	0.94	1.47	1.46	1.63	1.0
				1.76	1.70	1.80	1.74	1.65	1.60	1.87	1.3
				1.45	1.39	1,45	1.38	1.54	1.50	1.29	1.3
				1.63	1.53	1.17	1.16	1.73	1,69	1.80	1,7
				1.84	1.79	1.29	1.25	1.58	1.58	1.54	1.
			1.	1.64	1.60	1.67	1.63	1.60	1.57	1.61	1.
			1.12	1.87	1.67	0.97	0.93	1,66	1.58	1.70	1.
				1.57	1.54	1.47	1.43	1.63	1.59	1.71	1.
2000				1.82	1.80	0.89	0.84	1.73	1.71	1,60	1.
				1.41	1.38	1.86	1.85	1.56	1.49	1,35	1.
				1.72	1.71	1.59	1.56	1.73	1.68	1.78	1.
			100	0.54	0.47	1,40	1.36	0.69	0.64	1.55	1.
				1.44	1.37	1.66	1.61	1.88	1.81	1.31	1.
9				1.66	1.61	1.65	1.60	1.55	1,45	1.45	1.
				1.73	1.67	0.25	0.23	1.70	1.60	1.73	1
			20.27	1.83	1.65	1.52	1,47	1.69	1.68	1,39	1.
				1.60	1.45	1.58	1.63	1.56	1.51	1.60	1.
				1.40	1.34	1.47	1.43	1.38	1.33	1.63	1
			$i \neq i, j$	0.42	0.33	1.18	1.13	1.51	1.48	1,39	1
	IV/0I	#DIV/01	Average	1.51	1.44	1.34	1.29	1.48	1.44	1.58	1.
	0.0	0.0	Total Misimum	0.42		0.25		0.42		1,18	
			Free Minimum		0.33		0.23	l l	0.41		1.

| # Less than 0.2 mg/L/0.5 mg/L | 1 | Number of Free Residuals | 124 | Minimum Monthly Free Residual | 124 | Residual | 124 | Residual | 124 | Residual | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 12

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?



### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

					ı	PWS ID:	KY080	0273	-
	TURBIDITY I	REPORT			F	PLANT ID:	A		_
	APPLICAL	ILE TO ALL PL	ANTS WITH FI	TRATION	Report Period (	MM/YYYY):	12/20	014	PAGE:
PW\$	Name:	Martin	County Water I	District					8 OF <u>11</u>
DAY	Hours Plant Operated	s of Turnidity Samples Required!	Mid 4 am	-1-2-nm -8-am	Barm Noon	Noon - 4 pm	s pm - B pm'	er (8-pm), MU	Daily Maximum
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.059
	24.0	6	0.06	0.08	0.07	0.07	0.07	0.07	0.075
6	24.0	6	0.07	0.07	0.08	0.06	0.05	0.05	0.080
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
7	24.0	6	0.05	0.05	0.05	0.05	0.06	0.06	0.060
	24.0	6	0.06	0.05	0.06	0.06	0.05	0.05	0.059
	24.0	6	0.05	0.05	0.06	0.05	0.05	0.05	0.060
10	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.055
70	24.0	6	0.05	0.05	0.06	0.05	0.05	0.06	0.058
12	23.5	6	0.05	0.06	0.05	0.05	0.05	0.05	0.057
15	24.0	6	0.06	0.05	0.06	0.06	0.06	0.06	0.060
14	24.0	6	0.05	0.06	0.06	0.06	0.05	0.06	0.060
16	24.0	6	0.05	0.05	0.05	0.06	0.06	0.06	0.062
16	23.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
17	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
1.8	24.0	6	0.05	0.06	0.06	0.06	0.06	0.06	0.059
19	24.0	6	0.05	0.05	0.06	0.06	0.05	0.05	0.056
20	24.0	6	0.07	0.06	0.06	0.05	0.05	0.05	0.069
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.056
1722	24.0	6	0.05	0.08	0.08	0.06	0.07	0.07	0.079
25	23.5	6	0.07	0.07	0.07	0.07	0.07	0.07	0.073
24	24.0	6	0.06	0.06	0.06	0.06	0.07	0.05	0.071
25	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.051
28	24.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.055
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
28	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
29	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
30	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
31		6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
Tota	740 5	186			TO'	AL # OF TURBIDIT	Y SAMPLES TAKEN -	186	0.080
ARE	YOU USING EITH	HER CONVENTION	IAL or DIRECT FI	LTRATION? (Y/N)	Υ				
	ype of filtration beside:		0.4 NT	0 ر	0.3 NTU	0	1 NTU	0	
Nu	mber of samples				•		– 5 NTU		
		filtration, the numi			1 NTU		-		-
	TE: The "Number the next whole:		ples Required" is	the number of ho	urs the plant oper	rated divided by	4 10011000		
•			laan uunun tale	every 4 hours d	urina nlant onor	ation and in the	time frames note	ed above.	A plant
ı ce	rtiry that the abo	ove turbidity read	1 la	Co at Thousa	uning plant opers	1	01-06-	2015	NA.
	Signature of Pri	ncipal Executive Of	ficer or Authorized	Agent			D	ate	

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

	AF	PLICABLE TO ALL	SURFACE WATER I	PLANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY EX	(CEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	strict	ie .	
PWS ID:		00273			19
PLANT ID: Report Period (MM/YY)		12/2	2014	E	
•				·	
If any filter excee	ded any one of th	e Individual filter ; ), complete the fe	turbidity triggers	below, mit	
(also listed on the the appropriate r		, ), complete the i	onowing and sub-		PAGE 9 OF 11
	110	Turbidity Reading	Trigger Level (see below)	Reason for Exceedance (if known)	Date and time: State was Contacted
Date	Filter Number	(NT U)	Delow)	100 Teason in Exceeding franceing	
			V=1104-111-11		
74					
			· · · · · · · · · · · · · · · · · · ·		
<ul> <li>B. Any one filter h at the end of the</li> <li>C. Any one filter h at any time in ea</li> <li>D. Any one filter h</li> </ul>	as a measured turb e first 4 hours of ope as a measured turb ach of 3 consecutive	idity level of greater eration following a b idity level of greater e months. idity level of greater	than 0.5 NTU in 2 co packwash or return to than 1.0 NTU in 2 co	onsecutive measurements taken 15 m onsecutive measurements taken 15 m to service. onsecutive measurements taken 15 m onsecutive measurements taken 15 m	ninutes apart
Report Required: For Trigger A.:	obvious reason for	the exceedance		ance and filter profile within 7 days of the	
For Trigger B.:	Filter number, the to	urbidity measurement	t, the date of exceeda	ance and filter profile within 7 days of the	e exceedance, if no
For Trigger C.:	Filter number, the t	urbidity measurement	t, the date of exceeds	ance and a filter self-assessment within	14 days of the
For Trigger D.:	exceedance Filter number, the t (CPE) with the Drin	urbidity measurement king Water Branch no MAKE COPIES	o later than 30 days f	ance and arrange for a Comprehensive ollowing the exceedance	Performance Evaluation

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY	12/2014
		NOTE: COMPLET	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF T	HE FIELDS ARE PRE-
Makey W. S. Ha		ANNUAL TO SELECT	NUMBER OF STREET	POPULATED FOR YOU!!!	
and the same				DRMATION O ALL PLANTS	
PLANT ID A				TAL WATER TREATED (gallons)	56,602,000
PLANT NAME	Martin County Wa	iter District	•	E, DAILY PRODUCTION (gallons)	1,825,871
AGENCY INTE	REST		MA	XIMUM PUMPAGE (gallons per day)	1,869,000
		INDIVIDUAL F	LITER E	FILUENT TURBIDITY ANTS WITH FILTRATION	
Were measurer Was there a fall If Yes, (1) v (2) v Was Individual t Was individual t Was Individual t Was individual t	monitored continuously? (Yanents recorded every 15 mli lure of the continuous monitowere individual filter effluent was the continuously monito filter level greater than 1.0 N filter level greater than 1.0 N filter level greater than 2.0 N filter level greater than 2.0 N st 4 boxes are YES, fill out	nutes? (Y/N) oring equipment? (Y turbidity grab sample ring equipment repail ITU in two consecuti ITU in two consecuti ITU in two consecuti ITU in two consecuti ITU in two consecuti ITU in two consecuti ITU in two consecuti	//N) es collectired withing the meastive  ted every four hours of operation? (Y/N) in 5 working days? (Y/N) urements? (Y/N) urements after on line for more than four hours urements in three consecutive months? (Y/N) urements in two consecutive months? (Y/N) dity Sheet and submit with the MOR	N	
APPLI	MBINED FILTER BEFOUEN CABLE TO ALL PLANTS V	IT TURBIDITY VITH FILTRATION		EMERY POINT RESIDUAL DISINFECTA APPLICABLE TO ALL P	LANTS
ANALYTE COE Number of hour Were samples Number of sam Highest single t For all filtration Number of s Number of s Number of s When filtration Number of s	or of plant operation taken every 4 hours of plant operation taken every 4 hours of plant operation turbidity reading except slow sand filtration: samples exceeded 0.1 NTU samples exceeded 1 NTU is slow sand filtration: samples exceeded 1 NTU samples exceeded 1 NTU samples exceeded 5 NTU	operation? (Y/N)	742.5 Y 186 0.08 0 0	ANALYTE CODE 0999  Number of days of plant operation  Were samples taken each day of operation?  Number of lowest chlorine samples recorded Lowest single chlorine reading  If less than required:  Was residual restored within 4 hours of plant Free Chlorine (for all disintectants except chlorine)  Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chloram Number of samples under 0.5 mg/L	t operation? (Y/N) loromine):
APPLICAB ANALYTE COI Number of day Were samples Number of sam Highest single	DE 1008 s of plant operation taken each day of operation	? (Y/N)	31 0 0.00	APPLICABLE TO PLANTS UTILIZING  ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation?  Number of samples taken  Highest single chlorite reading  Number of chlorite samples exceeded 1 mg/	31 (Y/N)

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

01-06-2015 Date

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			М	ONITORING PER	IOD (MMYYYY)	12/2014
Al 2987		NOTE: COMP	LETE ALL	APPLICAB	LE FIELDS!!! N	OT ALL OF THE	FIELDS ARE PRE-
			AMA	POPU	JLATED FOR Y	OUIII **SOLD ¹⁹⁹⁴ ***********************************	Taken a
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FROM WHO	M? (PWS ID)	HOW MUCH? (ga		TOV	VHOM? (PWS ID)	HOW MU	ICH? (gallons)
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	) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	DISTRIBUTION RE	SIDUAL DIS	NEEC LANT	CONCENTRATIO	W.	77.0
		APPLIC	ABLE TO AL	L WATER S	YSTEMS		
ANALYTE CODE	f an austinu		24	Free Chlori	ne (for all disinfect	ants except chloran	nine)
Number of days	of operation ken each day of oper	ation? (V/N)	31		of samples under		0
Number of samples		auoiir (1/14)	Y			tant is chloramine)	
- CDEC			124		of samples under	· ·	
TOTAL			124				
	EE chlorine reading		0.23				
	TAL chlorine reading	00000000000000000000000000000000000000	0.25				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

01-06-2015 Date

PWS ID:	KY0800273
PLANT ID:	Α
AGENCY INTEREST:	2987

10,098

### **ANNUAL WATER SYSTEM DATA**

### APPLICABLE TO ALL WATER SYSTEMS

### TO BE SUBMITTED WITH DECEMBER MOR

NUMBER OF METERS:

3,400

RESIDENTIAL:

SYSTEM POPULATION:

COMMERCIAL:	100	TOTAL POPULATION SERVED I	N CONSECUTIVE
INDUSTRIAL:		SYSTEMS: (REFER TO TABLE B	ELOW)
(INFORMATION ON THE SYS	TEM POPULATIONS: STEMS/AREA TO WHOM YOU S		
PWSID# # OF	METERS PWSID#	# OF METERS	
W			
CONTACT INFORMAT	ION:		
	WATER SYSTEM	<del>-</del> -	DIANTE
	MANAGER/SUPERINT.	PLANT A	PLANT B
NAME	John Mills	Earl T Alley	
TITLE	General Manager	Plant Manager	
OFFICE PHONE	606-298-3885	606-298-7439 ext 5	
CELL PHONE	606-626-7741		
AFTER-HOURS PHONE	606-626-7741	606-395-5613	
MAILING ADDRESS	387 E Main St, Suite 140	14 Flat Hollow	
	Inez, KY 41224	Inez, KY 41224	- new-
EMAIL ADDRESS	jmills@bellsouth.net	etalley47@bellsouth.net	
NAME	PLANT C	DISTRIBUTION	MOR CONTACT Earl T Alley
TITLE			Plant Manager
OFFICE PHONE			606-298-7439
CELL PHONE			***************************************
AFTER-HOURS PHONE			606-395-5613
MAILING ADDRESS	MILL		14 Flat Hollow
			Inez, KY 41224
EMAIL ADDRESS			etalley47@bellsouth.net

### Kentucky Division of Water Operational Evaluation Reporting Form

AUG 1 8 2014 WSID: KY 0800273

Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" TTHM and HAA5 results for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAA5 levels and avoid non-compliance.

- Once 3 quarters of Stage 2 DBP data is available and every quarter from that time on, Page 1 of this form is to be used to
  determine if one or more of the compliance monitoring sites have exceeded the Operational Evaluation Levels (OEL) for
  TTHM and/or HAA5. Use additional pages as needed.
- If the calculated OEL for any site exceeds the MCL, you shall complete Page 2 and submit it to the State no later than 90 days following the end of the quarter. This report includes an examination of system treatment and distribution practices, including storage tank operations, excess storage capacity, distribution system flushing, changes in sources or source water quality, and treatment changes or problems that may contribute to TTHM and HAA5 formation and what steps could be considered to minimize future exceedances.
- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

Date of OEL Report: 8/5/2014

Date of written approval for limited evaluation (if applicable): N/A

ja .		Results from 4th Qtr. 202013 (Two Quarters Ago)	Results from <u>1st</u> Qtr. 20 <u>2014</u> (Previous Quarter)	Results from 2nd Qtr. 202014 (Current Quarter)	Operation Evaluation Level (OEL)	Check if Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—if so, complete Page 2 and submit to
Site ID	Analyte	Α	В	C	D= (A+B+(2*C))/4	DOW
C1.40	TTHM	.073	.038	.080	0.068	
SM8	HAA5	.025	.053	.145	0.092	
C) 47	ттнм	.100	.044	.088	0.080	·
SM7	HAA5	.031	.065	.180	0.114	
440	TTHM	.076	.044	.070	0.065	
118	HAA5	.022	.015	.136	0.077	
440	ттнм	.060	.035	.075	0.061	
119	HAA5	.020	.047	.136	0.085	
	ттнм		11111	9:	0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ТТНМ				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0,000	
	ттнм				0,000	
	HAA5			0,	0.000	
	ттнм	-			0.000	
	HAA5		7.79		0.000	
	ТТНМ		3		0.000	
	HAA5				0.000	

Were all TTHM and HAAS samples collected and handled using proper SOPs? Yes No   Who collected the samples? PWS
Who collected the samples? PWS  Contract Lab  No  Other/Explain:
Other/Explain:
Source Quality
Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Colo
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Point or non-point source contamination
New source placed on-line
Stream flow rates/reservoir level higher
than normal  Other/Explain:  Treatment Change/Problems  Did water treatment factors contribute to exceedance? Yes No    (check all that apply)  Problem with clearwell operation   increased filter effluent turbidity   Filters operated beyond capacity  Abnormal influent turbidity   Coagulation/sedimentation problems   Excessive filter run-time  Abnormal influent temperature   Abnormal flow rates/short-circuiting   TOC removal problems  Pre-disinfectant added/changed   Sludge blanket/carryover problems   Abnormal pH/Alkalinity  Disinfectant feed higher than normal  Other/Explain:    Distribution System  Did distribution system factors contribute to exceedance? Yes   No    (check all that apply)  Flushing (routine or compliant)   Fires or hydraulic disturbance   Valves operated in vicinity  Disinfectant residual lower than normal   High volume customer usage   Breaks or line replacements
Other/Explain:  Treatment Change/Problems  Did water treatment factors contribute to exceedance? Yes No  (check all that apply)  Problem with clearwell operation
Treatment Change/Problems  Dld water treatment factors contribute to exceedance? Yes No   (check all that apply)  Problem with clearwell operation   increased filter effluent turbidity   Filters operated beyond capacity   Excessive filter run-time   Abnormal influent turbidity   Coagulation/sedimentation problems   Excessive filter run-time   Abnormal influent temperature   Abnormal flow rates/short-circuiting   TOC removal problems   Pre-disinfectant added/changed   Sludge blanket/carryover problems   Abnormal pH/Alkalinity   Disinfectant feed higher than normal   Other/Explain:   Distribution System   Did distribution system factors contribute to exceedance? Yes   No   (check all that apply)   Flushing (routine or compilant)   Fires or hydraulic disturbance   Valves operated in vicinity   Breaks or line replacements
Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C
Check all that apply    Problem with clearwell operation   Increased filter effluent turbidity   Filters operated beyond capacity     Abnormal influent turbidity   Coagulation/sedimentation problems   Excessive filter run-time     Abnormal influent temperature   Abnormal flow rates/short-circuiting   TOC removal problems     Pre-disinfectant added/changed   Sludge blanket/carryover problems   Abnormal pH/Alkalinity     Disinfectant feed higher than normal     Other/Explain:   Distribution System     Did distribution system factors contribute to exceedance? Yes   No   (Check all that apply)     Flushing (routine or compliant)   Fires or hydraulic disturbance   Valves operated in vicinity     Disinfectant residual lower than normal   High volume customer usage   Breaks or line replacements
☐ Problem with clearwell operation       ☐ Increased filter effluent turbidity       ☐ Filters operated beyond capacity         ☐ Abnormal influent turbidity       ☐ Coagulation/sedimentation problems       ☐ Excessive filter run-time         ☐ Abnormal influent temperature       ☐ Abnormal flow rates/short-circuiting       ☐ TOC removal problems         ☐ Pre-disinfectant added/changed       ☐ Sludge blanket/carryover problems       ☐ Abnormal pH/Alkalinity         ☐ Disinfectant feed higher than normal       ☐ Other/Explain:         ☐ Distribution System       ☐ No ☐         Check all that apply)       ☐ Fires or hydraulic disturbance       ☐ Valves operated in vicinity         ☐ Pisshing (routine or compliant)       ☐ Fires or hydraulic disturbance       ☐ Breaks or line replacements
Abnormal influent turbidity
Abnormal Influent temperature Abnormal flow rates/short-circuiting TOC removal problems    Pre-disinfectant added/changed   Sludge blanket/carryover problems   Abnormal pH/Alkalinity   Disinfectant feed higher than normal   Other/Explain:   Distribution System
Pre-disinfectant added/changed   Sludge blanket/carryover problems   Abnormal pH/Alkalinity     Disinfectant feed higher than normal     Other/Explain:     Distribution System     Did distribution system factors contribute to exceedance? Yes   No     Check all that apply)   Flushing (routine or compliant)   Fires or hydraulic disturbance   Valves operated in vicinity     Disinfectant residual lower than normal   High volume customer usage   Breaks or line replacements
Disinfectant feed higher than normal
Other/Explain:  Distribution System  Did distribution system factors contribute to exceedance? Yes No (check all that apply)  Flushing (routine or compliant) Fires or hydraulic disturbance Valves operated in vicinity  Disinfectant residual lower than normal High volume customer usage Breaks or line replacements
Distribution System  Did distribution system factors contribute to exceedance? Yes □ No ☒  (check all that apply)  □ Flushing (routine or compliant) □ Fires or hydraulic disturbance □ Valves operated in vicinity □ Disinfectant residual lower than normal □ High volume customer usage □ Breaks or line replacements
Distribution System  Did distribution system factors contribute to exceedance? Yes □ No ☑  (check all that apply)  □ Flushing (routine or compliant) □ Fires or hydraulic disturbance □ Valves operated in vicinity □ Disinfectant residual lower than normal □ High volume customer usage □ Breaks or line replacements
(check all that apply)         Flushing (routine or compliant)       Fires or hydraulic disturbance       Valves operated in vicinity         Disinfectant residual lower than normal       High volume customer usage       Breaks or line replacements
Flushing (routine or compliant)  Fires or hydraulic disturbance  Usinfectant residual lower than normal  High volume customer usage  Breaks or line replacements
Disinfectant residual lower than normal High volume customer usage Breaks or line replacements
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Disinfectant residual higher than normal Water temperature higher than normal Booster chlorination
☐ Water quality at Master Meter exceeds MCL ☐ Low volume customer usage (contributing to high water age)
Other/Explain:
Storage Tank Operations
Did water storage operations/factors contribute to exceedance? Yes \( \square\) No \( \square\)
(check all that apply)
☐ Tank removed from service ☐ Tank upstream from sample site ☐ Excessive storage capacity
☐ Tank cleaned/maintenance ☐ Operated "last in −first out" ☐ Excessive ambient temperature
Excessive tank draw-down Improper level fluctuations Disinfectant residual low in tank
Other/Explain:
Other/Explain: Additional Comments
Additional Comments  —— —— —— —— —— —— —— —— —— —— —— —— —
Additional Comments  ———————————————————————————————————
Additional Comments  Completed By: Earl T Alley Plant Manager East T. Alley
Additional Comments  ———————————————————————————————————

### **Kentucky Division of Water Operational Evaluation Reporting Form**

Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" TTHM and HAA5 results for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAA5 levels and avoid non-compliance.

- Once 3 quarters of Stage 2 DBP data is available and every quarter from that time on, Page 1 of this form is to be used to determine if one or more of the compliance monitoring sites have exceeded the Operational Evaluation Levels (OEL) for TTHM and/or HAA5. Use additional pages as needed.
- If the calculated OEL for any site exceeds the MCL, you shall complete Page 2 and submit it to the State no later than 90 days following the end of the quarter. This report includes an examination of system treatment and distribution practices, including storage tank operations, excess storage capacity, distribution system flushing, changes in sources or source water quality, and treatment changes or problems that may contribute to TTHM and HAA5 formation and what steps could be considered to minimize future exceedances.
- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

Date of OEL Report: 10/30/14

Date of written approval for limited evaluation (if applicable):

		Results from  1st Qtr. 2014 (Two Quarters Ago)	Results from <u>2nd</u> Qtr. 20 <u>14</u> (Previous Quarter)	Results from 3rd Qtr. 20 <u>14</u> (Current Quarter)	Operation Evaluation Level (OEL)	Check If Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page 2 and submit to
Site ID	Analyte	A	В	С	D= (A+B+(2*C))/4	DOW
	ттнм	.038	.080	.178	0.119	
SM8	HAA5	.053	.145	.095	0.097	$\boxtimes$
	ТТНМ	.044	.088	.173	0,120	$\boxtimes$
SM7	HAA5	.065	.180	.046	0.084	$\boxtimes$
	TTHM	.044	.070	.155	0.106	
118	HAA5	.015	.136	.102	0.089	×
	TTHM	.035	.075	.158	0.107	
119	HAA5	.047	.136	.090	0.091	×
	TTHM				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
10.00	ТТНМ				0.000	
	HAA5				0.000	
	ТТНМ				0,000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	ТТНМ				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	

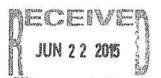
Sample Collection and Handling					
Were all TTHM and HAA5 samples collected and	handled using proper SOPs? Yes 🛛 No 🗌				
Who collected the samples? PWS	Contract Lab				
Did sample collection and handling factors cont	tribute to exceedance? Yes 🗌 No 🗵				
Other/Explain:					
Source Quality		****			
Did source water quality factors contribute to e	exceedance? Yes 🛛 No 🗌				
(check all that apply)		_			
Point or non-point source contamination	Storage time longer than normal	Heavy Rainfall or snowmelt			
New source placed on-line	Algae bloom in source water	Lake or reservoir turnover			
Stream flow rates/reservoir level higher	Stream flow rates/reservoir level lower	Long term drought			
than normal	than normal				
Other/Explain:		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
Treatment Change/Problems	HILL JOHN WAS TO THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
Did water treatment factors contribute to exce	edance? Yes 🛛 No 🗌				
(check all that apply)					
Problem with clearwell operation	☐ Increased filter effluent turbidity	Filters operated beyond capacity			
Abnormal Influent turbidity	Coagulation/sedimentation problems	Excessive filter run-time			
Abnormal influent temperature	Abnormal flow rates/short-circuiting	TOC removal problems			
Pre-disInfectant added/changed	Sludge blanket/carryover problems	Abnormal pH/Alkalinity			
Disinfectant feed higher than normal					
Other/Explain:		West of the second			
Distribution System		12.2			
Did distribution system factors contribute to e	xceedance? Yes 🗌 No 🛛				
(check all that apply)					
Flushing (routine or compliant)	Fires or hydraulic disturbance	☐ Valves operated In vicinity			
Disinfectant residual lower than normal	High volume customer usage	☐ Breaks or line replacements			
Disinfectant residual higher than normal	Water temperature higher than normal	Booster chlorination			
☐ Water quality at Master Meter exceeds MCL ☐ Low volume customer usage (contributing to high water age)					
Other/Explain:					
Storage Tank Operations					
Did water storage operations/factors contribu	te to exceedance? Yes 🔲 No 🛚				
(check all that apply)					
Tank removed from service	☐ Tank upstream from sample site	Excessive storage capacity			
☐ Tank cleaned/maintenance	Operated "last In –first out"	Excessive ambient temperature			
Excessive tank draw-down	☐ Improper level fluctuations	Disinfectant residual low in tank			
Other/Explain:					
Additional Comments					
Adjustments being made to treatment process	ss. Instructed by DOW personnel to begin feeding	carbon.			
Assistance being received for corrective actio	n plan and treatment plant optimization.				
	4 /	61-21			
Completed By: Earl T Alley	Plant Manager	Cast T. alley			
(Printed Name)	(Title)	(Signature)			
Phone: 606-298-7439 ext	E-mall: etalley47@bells	outh.net Date: 11/05/2014			

Rev. December 2013

Page 2 of 2

### Consumer Confidence Report (CCR) Certification

PWS Name: Martin County Water District PWSID#: KY0800273 Population Served: 10395



I, the undersigned, certify that our system's Consumer Confidence Report for calendar year 2014 was prepared and distributed according to the requirements for our system in 40 CFR 141.153, 141.154, and 141.155 and appropriate notices of availability have been given. Also, I certify that the report contains information that is correct and consistent with the compliance monitoring data previously submitted to the Division of Water. ☐ Written agreed alternative date on file. (Required if after April 1) Date information to purchasers: PWSIDs of purchasers: Date CCR distributed to customers: 6-4-18 Date CCR sent to Division of Water: 6-17-15 1. CCR main/primary distribution method: ☐ Mailed ☐ Hand Delivery ☒ Electronic Delivery* ☐ Newspaper** *Electronic Delivery list URL: <a href="www.krwa.org/2014ccr/martincounty.pdf">www.krwa.org/2014ccr/martincounty.pdf</a> *Electronic Delivery CCR Final Packet sent to DOW shall include hard copies of: Copy of CCR from Website, Bill insert/bill with notification of e-delivery, email notification to e-pay/auto-pay e-delivery including subject line, the # of emails sent and the # bounce back emails with a statement that indicates hardcopies were mailed to the bounced back email customers along with a copy of the notification Good Faith Effort Distribution method for e-delivery must be a non-electronic method. **Name of newspaper & date printed with the newspaper clipping of CCR showing the date the report was printed is required. To use newspaper as the primary distribution method, your system must: a) Have a POPULATION less than 10,000; b) Publish the report in a local newspaper by July 1; c) Notify your customers by July 1st that the report will not be mailed unless requested, and it is available upon request. Indicate how you notified customers that CCR will not be mailed unless requested. (example: Message on water bill, statement in newspaper, etc.) (Required if published in newspaper): Message on water bill If your system serves a population of less than 500, you only need to notify your customers by July 1 that the report is available upon request. Indicate how customers were notified & how the report was made available upon request: N/A 2. CCR secondary/"Good faith" efforts (GFEs) to reach the non-bill-paying customers (indicate methods used)

	9
a)	☐ Delivering multiple copies to non-bill-paying consumers at apartments, rest homes, hospitals, schools, factories, & etc
,	(list locations).
b)	☐ Delivering to community organizations (attach list).
c)	☑ Posting the CCR or an announcement of its availability in public places (attach list of locations).
d)	☐ Publishing CCR or an announcement of its availability in local newspaper (attach copy).
e)	☐ Advertising availability of the CCR in news media. (attach copy of announcement) (N/A with E-delivery as main
,	distribution method)
f)	☐ Mailing CCR to postal patrons within the service area (attach zip codes used).
a)	Other (attach description of additional methods used or explanation or use back of sheet).

Name: John Mills Signature: 

Title: Manager Phone: 606-298-3885 email: jmills@bellsouth.net

Frankfort, KY 40601

Posting the CCR on the Internet URL: N/A (N/A with E-delivery as main distribution method)

Address: 387 E Main St. Suite 140, Inez, KY 41224 Date: 61715

Mail CCR & certification to:

Kentucky Division of Water
Compliance Technical Assistance Section
200 Fair Oaks Lane, 4th Floor

ATTN: CCR

### Martin County Water District Water Quality Report 2014

Water System ID: KY0800273 Manager: John Mills 606-298-3885 CCR Contact: Tom Alley 606-298-7439 etalley47@bellsouth.net

Mailing Address: 387 E Main St. Suite 140 Inez, KY 41224 Meeting location and time: Water District Office Fourth Monday at 4:00 PM

Martin County Water District treats surface water withdrawn from Crum Reservoir and replenished from Tug River. Additional finished water was purchased from Kermit, West Virginia whose source is the Tug River Fork and also from Prestonsburg Utilities to supply water to the Industrial Park. The source for Prestonsburg is surface water from the Levisa Fork of the Big Sandy River. Potential contaminant sources of concern include major roads, bridges and culverts. Other potential impacts include the coal industry, oil and gas industries, and straight pipes. Many of the potential contaminant sites are located along the Tug Fork of the Big Sandy. With each rainfall, herbicides, pesticides, fertilizers, animal manure and household chemicals are washed from impervious surfaces and other land areas into storm drains, ditches, sinkholes or streams that flow into our nearby waterways. Source Water Assessment Plans have been developed for both water systems. The assessments are available for review at each of the respective water system offices and/or local public libraries.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or mining activities). In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water to provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

### Information About Lead:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Your local public water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

Some or all of these definitions may be found in this report:

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is no known or expected risk to health.

MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants. Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though

representative, may be more than one year old. Violation Lowest Source Highest Single Allowable Likely Source of Turbidity Levels Measurement Monthly % Yes No more than 1 NTU M= 94.6 0.708 Turbidity (NTU) TT Soil runoff * Representative samples Less than 0.3 NTU in P= No 0.29 100 100 No 0.13 95% monthly samples K= of filtered water Regulated Contaminant Test Results Violation Likely Source of Date of Source Report Range Contaminant Contamination of Detection Sample MCL MCLG Level [code] (units) Combined radium 5 Erosion of natural deposits 2011 No 0.7 P= 0.7 0.7 10 (pCi/L) Drilling wastes; metal Barium refineries; erosion of natural No 2014 0.056 0.056 to 0.056 K= 2 2 [1010] (ppm) deposits M≕ 0.040 Copper [1022] (ppm) AL = Corrosion of household No 2014 (90th 0.27 1.3 1.3 n tο sites exceeding action leve plumbing systems percentile) 0.87 0.87 to 0.87 M= Fluoride Water additive which No 0.95 2014 0.95 4 P= 0.95 lo promotes strong teeth 4 [1025] (ppm) 0.85 0.6 10 1.1 K= AL= M= 5 Lead [1030] (ppb) Corrosion of household (90th No 2014 0 0 10 6 15 plumbing systems sites exceeding action leve percentile) Fertilizer runoff; leaching 0.22 0,22 0.22 to M= Nitrate from septic tanks, sewage; 2014 No 0.4 0.4 10 0.4 to [1040] (ppm) 10 erosion of natural deposits Discharge from petroleum and Selenium metal refineries or mines; 2014 No 1.6 1 6 50 50 Κ= 1.6 to [1045] (ppb) crosion of natural deposits 5.56 1 M= 2.03 to Total Organic Carbon (ppm) Naturally present in No 2014 2.4 1.11 1 to TT* N/A (report level-lowest avg. environment. range of monthly ratios) *Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for compliance. M= 1.19 MRDLG MRDL Water additive used to control Chlorine No (highest 0.36 to 1.64 2014 = 4 = 4 microbes. (ppm) average) HAA (ppb) (Stage 2) Byproduct of drinking water Yes 2014 180.3 14.5 to N/A M= 105 [Haloacetic acids] 60 disinfection. (range of individual sites) (average)

Unregulated Contaminants (UCMR 3)		average	rai	nge (	(ppb)	date
strontium	М=	440	440	to	440	2014
chromium-6	M=	0.05	0.046	to	0.053	2014
chlorate	M=	330	324	to	336	2014

M=

EPA has not established drinking water standards for unregulated contaminants. There are no MCL's and therefore no violations if found.

101

35

(average) (range of individual sites)

to

178

Byproduct of drinking water

disinfection.

Yes

2014

	Average	Rang	e of D	tection
Fluoride (added for dental health)	0.90	0.8	to	1.09

N/A

80

TTIIM (ppb) (Stage 2)

[total trihalomethanes]

Turbidity. Water samples for January 2014 showed that 5.4 percent of turbidity measurements were over 0.3 turbidity units – the standard is that no more than 5 percent of samples may exceed 0.3 turbidity units per month. We made repairs to our equipment. We inspected and cleaned the filters. The problem is resolved. Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

HAA & TTHM. During the third and fourth quarters of 2014 we exceeded the MCL for HAA and TTHM. We are working to minimize the formation of haloacetic acids and trihalomethanes while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant types/levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer. Some people who drink water containing trihalomethanes in excess of the MCL over many experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

### **Violations**

During 2014 Martin County Water District received several violations after our water system violated drinking water requirements. Even though these were not emergencies, as our customers, you have a right to know what happened and what we are doing to correct these situations. The table below lists the violations that we received during 2014. Public notifications were distributed for each of these violations.

Violation	Begin Date	End Date	Explanation
2014-9951151 (Turbidity)	1/1/2014	1/31/2014	Filter equipment failure. Repairs made. Resolved.
2015-9951155 (IIAA)	7/1/2014	9/30/2014	Exceeded MCL. We are investigating solutions.
2015-9951159 (TTHM)	7/1/2014	9/30/2014	Exceeded MCL. We are investigating solutions.
2015-9951161 (HAA)	10/1/2014	12/31/2014	Exceeded MCL. We are investigating solutions.
2015-9951162 (TTHM)	10/1/2014	12/31/2014	Exceeded MCL. We are investigating solutions.

Martin County Water District. 87 East Main St., Suite 140

nez KY 41224

(606) 298 3885

ACCOUNT

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEX, KY 41224

Citurn Service Requested

LOCATION 115 Sansom Dr.

	Ta weaks and	2007 Dale	Picario di	APPENDED O	io Feed)	asmall, amoun	1
R1 Res. N/Tax Water	19629201	4/20/2015	351 熱彩	5/20/2015	358	7000 \$60.00	4
SC School Tax	。 中的學術或認識的 19	<b>网络斯尔克斯</b> 亚克里	10000000000000000000000000000000000000	<b>的基本的的</b>	22.3	1.80	4
School 20074 (2007) 12 12 12	es a contract programme and the	Service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the servic		CAMP CAPTURE N	5 48	THE PARTY OF THE PARTY OF	4

Bring Entire Card When Paying

ter Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org

CONTRACTOR OF THE CONTRACTOR

Notice by Martin County Water District — System ID#: KY0800273

Water system recently violated a drinking water requirement. Although this was not an emergency you have a right to know what happens to continely monitor your water for turbidity (cloudiness). This tells us whether we are effectively filtering the water supply. On 2/23/2015 we identify the supply of 1.0 NTU. This was above the standard of 1.0 NTU. Water samples for February 2015 showed that 6.58 percent of surplidessurements were over 0.3 furbidity units — the standard is that no more than 5 percent of samples may exceed 0.3 turbidity sinits per profit is furbidity levels are relatively low. However, their persistence is a concern. Normal turbidity levels at our plant are 0.12 units. This is not an intergency. If it had been, you would have been notified within 24 hours.

There is nothing you need to do. You do not need to boil your water or take other actions. We do not know of any contaminate none of our testing has shown disease causing organisms in the drinking water.
If you have a severely compromised immine system, have an infant, are pregnant, or are olderly you may be at increased risk should seek advice from your health care providers about drinking this water. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

urbidity has no health effects. However, furbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may dicate the presence of disease causing organisms, These propriets include bacteria, virtuses, and parasites which can cause symptoms and used, cramps, diarrhee, and associated headaches. These symptoms are not caused only by organisms in drinking water. If you perience any of these symptoms and they persist, you may want to seek medical advice.

ighturbidity on top of the litters occurred when a rake motor failed and due to high demand we had to continue operations. The problem we solved within three days. For more information, please contact John Mills at (606) 298-3885 of 387 E Main St. Suite 140, Inex, KY 41224

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (t sample, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributi spies by hand or mail.

2014 Martin County Water District annual water quality report is available. This report contains important information about your drinking water. Please go to http://www.krwa.org/2014ccr/martincounty.pdf to view your 2014 annual water quality report or to request a paper copy call (606) 298-3885.

### Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
6/4/15	Martin County Court House
6/4/15	Martin Co. Public Libraries
6/4/15	Quail Hollow Apartments
6/4/15	Dempsey Housing
6/4/15	Martin County Health Department
6/4/15	Inez Post Office
6/4/15	Warfield Post Office
6/4/15	Blakemoore Estates

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills	,		
Signature:	1	no	Date: 6-17-15

### MARTIN CO WATER DISTRICT NO 1

Kentucky Division of Water
Complance Technical Assistance Schion, Athlices
200 Fair Bats, Lang, 14th Flor
Frankley, Ky Abbool



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

July 22, 2015

TO: Public Water Systems

RE: Revised Total Coliform Rule 401KAR 8:200, 40 C.F.R 141.851 -141. 861

### Dear Drinking Water Suppliers:

We are writing in regard to the implementation of the Revised Total Coliform Rule (RTCR). The RTCR applies to all Public Water Systems (PWS) as defined by 40 C.F.R 141.2. The intent of the RTCR is to provide increased protection against pathogens in public water systems. The requirements of the RTCR will take effect January 1, 2016. You are receiving this letter because our data shows this regulation will apply to your public water system.

The PWS must complete the enclosed form and return to the Division of Water before September 30th, 2015. When returning the form to the division, PWS must also include any revised sampling site plans. The form covers the following information:

- Public water system name and public water system identification number (PWSID)
- Public water system's contact information
- Population calculation
- Number of required minimum routine total coliform samples
- Number of routine samples the public water system will take above the minimum required, if applicable
- Alternate repeat sampling
  - Fixed location repeat sampling
  - Alternate repeat sampling

The RTCR will require routine distribution samples to determine presence or absence of total coliforms and E. Coli. The public water system will be required to take the minimum number of samples required by the regulation which is based off population served. The population size is calculated by multiplying the total number of service connections by 2.69. Alternative population numbers that can be used are the recent United States Census data or Water Resource Information databases located at <a href="http://wris.ky.gov/portal-sysdata">http://wris.ky.gov/portal-sysdata</a>.



Public water systems can take more than the required minimum number of samples if they choose to do so. The water system shall provide the number of samples they choose to take over the minimum requirement to the Division of Water in writing. The state will set this number of samples as the minimum to meet compliance.

Revised and alternate repeat sampling site plans and standard operating procedure (SOP) must be reviewed and approved by the Division of Water. Please refer to 40 C.F.R 141.853 (5)(i). To view an alternate repeat sampling site SOP template provide by the Division of Water, please go to <a href="http://dep.ky.gov">http://dep.ky.gov</a> formslibrary Documents RCTR%20Alternate%20Sampling%20Site%20Guidance.docx.

If you have questions or need assistance, contact me at 502-564-3410 or Rodney.Ripberger@ky.gov.

C: Drinking Water Files Enclosures

Sincerely,

Rodney Ripberger Compliance Officer Division of Water



## Division of Water Revised Total Coliform Rule Public Water System Information Form

PWSID:	Population Calculation & Minimum Number of Required Samples
Name:	Total # of all meters (enter the all meters for water system)
Address:	Standard Calculation X 2.69
City/State/Zip:	Population =
County:	
Contact Person:	
Phone Number:	Minimum Number of Samples #
Email:	Reference Total Coliform Frequency Chart on back for Min # of Samples
Questions: If the answer is Yes to any question in this section, please continue to the next section to complete the appropriate information	next section to complete the appropriate
Will Public Water System use an alternate population method allowed by the regulation instead of standard calculation?	tion instead of standard calculation?
Will Public Water System take more than the required minimum total coliform samples?	les?
Will Public System have alternate repeat sample site plan?	
Population Number Source	Minimum Number of Samples
The additional samples that will be taken plus the minimum required samples is the total number used for compliance. Total number of samples	total number used for compliance. Total number of
PWS must attach/include alternative repeat sampling SOP and/or proposed alterative repeat sample site plan with this form.	e repeat sample site plan with this form.
Signature Date	
Return completed form and supporting information and documents before September 30th 2015 to:	2015 to:
Division of Water	
Compliance Technical Assistance Branch	
200 Fair Oaks Lane 4th ATTN: Rodney Ripberger/RTCR	
Frankfort, KY 40601	



# TOTAL COLIFORM MONITORING FREQUENCY FOR PUBLIC WATER SYSTEMS SERVING MORE THAN 1,000 PEOPLE

2,501 to 2,300  3,301 to 4,100  4,101 to 4,900  4,901 to 5,800  5,801 to 6,700  6,701 to 7,600  7,601 to 8,500  8,501 to 12,900  12,901 to 17,200  17,201 to 21,500  21,501 to 25,000  25,001 to 33,000  33,001 to 41,000  50,001 to 59,000  59,001 to 59,000	25 20 20 20 20 20 20 20 20 20 20
0001 0100	7
1,001 to 2,500	2
2,501 to 3,300	w
3,301 to 4,100	4
4,101 to 4,900	5
4,901 to 5,800	6
5,801 to 6,700	7
6,701 to 7,600	8
7,601 to 8,500	9
8,501 to 12,900	10
12,901 to 17,200	15
17,201 to 21,500	20
21,501 to 25,000	25
25,001 to 33,000	30
33,001 to 41,000	40
41,001 to 50,000	50
50,001 to 59,000	60
59,001 to 70,000	70



SAMPLE CATEGORY = GE ENTRY POINT SAMPLING

### KENTUCKY DIVISION OF WATER / DRINKING WATER RESULTS SYNTHETIC ORGANIC CHEMICAL (SOC) ANALYSIS REPORT FORM (Excluding Dioxin / 2,3,7,8-TCDD)

JUN 1 6 201

Rev. 06/01/2011 This Section To Be Completed By Collector TPA PWS ID K Y 0 8 0 0 2 7 3 Plant ID A Martin Co WTP Location Code Plant Name Tom Alley PWS Contact PWS Name Martin Co. Water District #1 606-298-3885 HC 69 Box 875, Inez, KY 41224 PWS Phone PWS Address 0 5 2 1 2 0 1 5 Time 11:15 AM Sample Type R T Collector Name Sample Date (MMDDYYYY) RT = Routine (For Compliance) SP = Special (Not for Complian

(WINDERTTT)		SP =	Specia	al (Not for Compilance)							
his Section To	o Be Completed By Lab		170000				_	_	_		
Lab ID 9	0 0 1 8 Lab Sample Number	1 6 6 5	4	- 0 1 L	ab Pho	ne	740	-389	-599		10/1/2
Lab Analyst	CIB	6/9/15	-	Lab S	upervis	or	(	R	9	MOSC	xis 6/9/15
	Signature/Date						.14. /	4.		Signatu	uro/Date
Analyte Code	Analyle Name	Analysis Method Code	<		A A1 - 1		ult (mg		ı. ( l		Analysie Date (MMDDYYYY)
				Lab	Minim	um R	eportir	ig Lim	it (mg/	L)	
2 0 5 1	ALACHLOR (LASSO)	7 1 1	<		0 .	0	0	0 1	0		0 5 2 9 2 0 1 5
2 0 4 7	ALDICARB	9 6 2	<		0 .	0	0	0 5	0		0 5 2 9 2 0 1 5
2 0 4 4	ALDICARB SULFONE	9 6 2	<		0 .	0	0	0   5	0		0 5 2 9 2 0 1 5
2 0 4 3	ALDICARB SULFOXIDE	9 6 2	<		0 .	0	0	0 5	0		0 5 2 9 2 0 1 5
2 0 5 0	ATRAZINE	7 1 1 1	<		0 .	0	0	0 0	7	1	0 5 2 9 2 0 1 5
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2 0 4 2	HEXACHLOROCYCLOPENTADIENE (HEX)	7 0 8	<		0 .	0	0	0	1		0 5 2 9 2 0 1 5
2 0 1 0	LINDANE (BHC-GAMMA)	7 0 8	<		ο.	0	0	0	2	2	0 5 2 9 2 0 1 5
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	PICLORAM	7 0 3	<		ο.	0	0	0	0		0 6 0 4 2 0 1 5
	SIMAZINE	7 1 1	<		ο .	0	0	0	5		0 5 2 9 2 0 1 8
	TOXAPHENE	7 0 8	<		0 .	0	0	1	H		0 5 2 9 2 0 1 5
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2 1 0 5		7 0 3	<		ο .		0		0		0 6 0 4 2 0 1 5
	2,4,5-TP (SILVEX)	7 0 3	<		ο .	-		0 2	-		0 6 0 4 2 0 1 5

SAMPLE CATEGORY = GE **ENTRY POINT SAMPLING** 

This Section To Be Completed By Collector

### KENTUCKY DIVISION OF WATER / DRINKING WATER RESULT SYNTHETIC ORGANIC CHEMICAL (SOC) ANALYSIS REPORT FORM

(Excluding Dioxin / 2,3,7,8-TCDD)

SEP 3 0 2015 Rev. 05/1/2011

### KENTUCKY DIVISION OF WATER/DRINKING WATER BRANCHIAY 0 1 2015 SECONDARY CONTAMINANT ANALYSIS REPORT FORM CORRECTED REPORT

BY:

SAMPLE CATEGORY #CH ENTRY POINT OR DISTRIBUTION SAMPLING

	This Section To I	Be Completed By Collector																					Rev	01/	15/2	006	
	PWS ID K Y 0 8 0 0 2 7 3 Plant ID A OR Dist Location Name Martin Co. Water District  PWS Name PWS Address 287 E Main St Suite 140 Inez, KY 41224  Sample Date (MMDDYYYY)  This Section To Be Completed By Lab  Plant ID A OR Dist Location Name Martin Co. Water District  Location Code T P A  PWS Contact PWS Contact PWS Phone (606) 298-3885  Collector Name Section To Be Completed By Lab																										
-																											
	Lab Analyst (	Hinthu Williams Signature Di	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	2_	_						Lab	Supe	rviso		()X	Res	v	4		natur		_	1.1.	13			
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	2 9 0 5	FOAMING AGENTS / SURFACTANTS						Ц	ا						Ш		Ш	Ц	Ш	Ш	Ш	Ш	Ш	Ш		]	
The	signatories of this for	m certify by their signatures that collection ar	nd analysis of the	water s	ample a	natyzed	and the	resu	lling d	late h	erby s	imdo	tied, v	vere t	ompl	oted	n acc	orden	CO WIT	h the i	provis	ions c	1 401	KAR	Chap	nr.	7

8, and that the date submitted on this form is a true and accurate report of the results of collection and analysis performed pursuant to the above-referenced regulations. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224 99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.



Indicate one X SURFACE WATER

### KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT	H & YEAR (mm/yyyy)	01/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY									
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	Martin County Water 2987  Crum Reservoir Tug Fork  OPERATOR(S) RESPONSIBLE		PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	Martin County Water District  3 DIST. CLASS: 2  02/04/20/5  Martin  CERTIFICATION NUMBER									
WTP SHIFT 1:	Earl T Alley		1V-A	17562									
WTP SHIFT 2:	Michael Sartin		1V-A	21944									
WTP SHIFT 3:	Jerry L Belcher		1V-A	21719									
DISTRIBUTION:	James W Goble		11-A	27288									
THIS REP	THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.												
TREATMENT PLANTS	COMPLETE:												
1. DESIGN CAPACITY (gpm):	-	1,667											
2. TYPE OF FILTRATION USE	D:	Dual Me	dia										
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66											
4. PERCENT BACKWASH WA	0.8												
5. DATE FLOCCULATION BAS	BIN(S) LAST CLEANED:	#2 - 3/18/10 #	3 - 9/2/ 09										
6. DATE SETTLING BASIN(S)	LAST CLEANED:												

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penaltiles under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

12

02/04/2015

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

PLANT ID: A

REPORT MONTH/YEAR: 01/2015

PAGE 1 OF 11

=	11.001.0			ULANT	Location Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committ	BULANT	The complete occupa	JSTMENT	PAGE 1 DISINFECTANT		OF 11	
1	WATER TREATED	PLANT OPERATED					Р	re	Pi	ге	Po	st
Y	GALLONS		LBS	PPM	LBS	PPM	LBS	РРМ	LBS	PPM	LB8	PPM
	1,786,000	24.0	155.0	10.4	4.2	0.3			248.1	16.7	159.8	10.7
	1,786,000	24.0	155.0	10.4	4.2	0.3			248,1	16.7	159.8	10.7
	1,775,000	24.0	155.0	10.5	4.2	0.3			248.1	16.8	159.8	10.8
	1,774,000	24.0	155.0	10.5	4.2	0.3			252.8	17.1	159.8	10.8
	1,821,000	24.0	155.0	10.2	4.2	0.3			248.1	16.3	159.8	10.5
	1,787,000	23.5	151.8	10.2	4.2	0.3			250,6	16.8	156,5	10.8
	1,842,000	24.0	155.0	10.1	4.2	0.3			247.9	16.1	169.2	11.0
	1,804,000	24.0	155.0	10.3	4.2	0.3			256,4	17.0	169.2	11.5
	1,816,000	24.0	155.0	10.2	4.2	0.3			247.9	16.4	183.1	12.
	1,818,000	24.0	155.0	10.2	4.2	0.3			249.8	16.5	183,1	12.
	1,794,000	24.0	155.0	10.4	4.2	0.3			252,1	16.8	183.1	12.
	1,782,000	23.5	151.8	10.2	4.1	0.3	,		253.4	17.1	179.3	12.
	1,785,000	24.0	155.0	10.4	4,2	0.3			261.3	17.6	183.1	12.
	1,775,000	24.0	155.0	10.5	4.2	0.3			247.9	16.7	183.1	12.
	1,806,000	24.0	155.0	10.3	4.2	0.3			265,5	17.6	183.1	12.
	1,890,000	24.0	155.0	9.8	4.2	0.3			277.0	17.6	183.1	11.
	1,886,000	24.0	155.0	9.9	4.2	0.3			272.4	17.3	183.1	11.
	1,845,000	24.0	155.0	10,1	4.2	0.3			271.5	17.6	183.1	11.
	1,865,000	24.0	155.0	10.0	4.2	0.3			269.8	17.3	183.1	11.
	1,814,000	24.0	155.0	10.2	4.2	0.3			270.2	17.9	183.1	12.
			155.0	10.1	4.2	0.3			263.0	17.1	183.1	11.
	1,841,000	24.0	155.0	10.1	4.2	0.3			261.1	17.1	183.1	12.
	1,861,000			10.0	4.2	0.3			250.8	16.2	183.1	11.
	1,823,000	24.0	155.0 155.0	10.2	4.2	0.3			248.1	16.3	183.1	12.
	1,844,000	24.0	155.0	10.1	4.2	0.3			248.1	16.1	183.1	11.
		24.0	155.0	10.3	4.2	0,3			248.1	16.5	183.1	12.
	1,799,000								239.8	17.3	183.1	13.
	1,660,000	24.0	155.0	11.2	4.2	0.3			232.5	16.2	183.1	12.
	1,725,000	24.0	155.0	10.8	4.2	0.3						
	1,712,000	24.0	155.0	10.9	4.2	0.3			248.1	17.4	183.1	12.
	1,739,000	24.0	155.0	10.7	4.2	0.3			248.1	17.1	183.1	12.0
AL	1,711,000 55,800,000	24.0	155.0 4798.6	10.9	4.2 130.1	0.3	0.0		248.1 7874.7	17.4	183.1 5501.4	12.
AGE	1,800,000	1	154.8	10.3	4.2	0.3	#DIV/01	#DIV/0I	254.0	16.9	177.5	11.8

1,890,000

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PWS ID :	KY0800273
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REPORT MONTH/YEAR: 01/2015

PAGE 2 OF 11

0.00			158178	<b>经验证</b>	2 1 2 6	The Section				1.11		Name and Address of the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, where the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner, which is the Owner	Sept And Sept Of the	
	DIBINFE	CTANT	FLUOF	RIDE	CAR	BON	pH ADJ	USTMENT	кмі	nO ₄	CORRO	- 1	H2	12
							Po	st						-
Y	LBS	PPM	LBS	РРМ	L88	РРМ	LBS	РРМ	LB8	PPM	LBS	PPM	LBS	PPM
	407.9	27,4	60.9	4.1										
	407.9	27.4	60.9	4.1										
	407.9	27.8	60,9	4.1										-
	412.6	27.9	60.9	4,1										
	407.9	26.9	60.9	4.0		<u> </u>								
	407.1	27,3	60.9	4.1										
	417.1	27.2	60.9	4.0										
	425.6	28.3	60.9	4.0										
;	431,0	28.5	60.9	4.0										
	432.9	28.6	60.9	4.0										
	435.2	29,1	60.9	4.1										
E	432.7	29.1	59.6	4.0										
	444.4	29.9	60.9	4,1										
	431.0	29.1	60.9	4.1										
	448.6	29.8	60.9	4.0										
	460.1	29.2	60.9	3.9										
	455.5	29.0	60.9	3.9										-
	454.8	29.5	60.9	4.0										
	452.9	29.1	60.9	3.9									سيب	
	453.3	30.0	60.9	4.0										
	446.1	29.1	80.9	4.0										
2	444.2	29.0	60.9	4.0										
	433.9	28.0	60.9	3.9										
e j	431.2	28.4	60.9	4.0										
	431.2	28.0	60.9	4.0					ļ					
6	431.2	28.7	60.9	4.1										
70	422.9	30.5	60.9	4.4					<b></b>					
8	415.6	28.9	60.9	4.2								-		
9	431.2	30.2	60.9	4.3					<u> </u>					-
0	431.2	29.7	60.9	4.2										
	431.2	30.2	60.9	4.3										
TAL	13,376.1		1,886.6		0.0		0.0		0,0		0.0		0.0	
RAGE	431.5	28.8	60.9	4.1	#D!V/01	#DIV/0I	#DIV/01	#DIV/01	#DIV/01	#DIV/0I	#DIV/0!	#DIV/01	#DIV/01	#DIV/

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

01/2015

PAGE

OF

11

D. 18-30			STATE OF STATE OF	1130	ONAL STIC	AT DE QUET	S Invest on a	PHOINTES	OTHERWIS	E SPECIFIEI	PAGE	3	OF	11 (表: ))(22)
E SON		pН		то	TAL	TO	TAL		CHLORINE	RESIDUAL		20 10 10 10 10 10 10 10 10 10 10 10 10 10	TURBIDITY (	
- 1		TOP OF		ALKA	LINITY	HARD	NESS	TOP FIL	TER	PLA TA	AP.		SETTLED	PLANT
AY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
	7.80	7.72	7.53	85	81	105	110	0.71	0.65	1.88	1.82	2.39	0.15	0,05
21.	7.84	7.68	7.54	78	74	110	114	0.75	0.68	1.96	1,89	2.27	0.13	0.05
	7.76	7.59	7.46	81	77	98	103	0.74	0.66	2.00	1.93	2.25	0.13	0.05
4	7.73	7.67	7.47	72	68	126	131	0.77	0.71	1,98	1,91	4.28	0.14	0.05
6	7.74	7.58	7.43	62	58	118	123	0,68	0.62	1.92	1.86	5.23	0.14	0.05
6	7.62	7.56	7.40_	62	66	132	115	0.66	0.59	1.86	1.78	5,26	0.16	0.05
	7.73	7.63	7.46	65	62	100	110	0.55	0.49	1.79	1.74	5.85	0.14	0.05
B,	7.64	7.53	7.36	57	51	93	101	0.57	0.51	1.84	1.78	6.47	0.18	0.05
9	7.74	7.55	7.38	53	49	88	94	0.57	0.49	1.91	1.85	6.24	0.14	0.05
0	7.64	7.49	7.28	59	54	103	110	0.57	0.51	1.93	1.88	6.30	0.16	0.04
11	7.67	7.49	7.30	60	55	101	107	0.56	0.51	1.84	1.81	6.20	0.14	0.05
12	7.67	7.52	7.34	63	59	104	112	0.55	0.48	1.87	1.83	6.06	0.15	0.05
3	7.60	7.48	7.34	62	57	100	107	0.57	0.50	1.84	1.78	5.92	0.18	0.05
	7.42	7.46	7.36	65	60	85	92	0.56	0.49	1.92	1.87	5.48	0.14	0.05
5	7.38	7.37	7.25	46	42	88	84	0.66	0.58	1.95	1.88	5.90	0.15	0.05
16	7.34	7.31	7.18	46	42	82	79	0.77	0.71	2.00	1.95	5.93	0.20	0.05
7	7.35	7.29	7.14	41	36	78	74	0.70	0.61	1.97	1.93	5.35	0.18	0.06
В	7.41	7.32	7.16	47	42	78	73	0.75	0,67	2.06	2.00	4.75	0.20	0.05
9	7.43	7.34	7.18	47	43	77	72	0.75	0.68	2.00	1.95	4.74	0.17	0.04
0	7.44	7.35	7.24	57	53	92	88	0.74	0.67	1.97	1.90	4.52	0.17	0.04
	7.46	7.35	7.27	54	50	85	82	0.64	0.55	1.94	1.89	4.32	0.19	0.05
2	7.36	7,35	7.26	48	44	85	80	0.71	0.64	1.95	1.90	7.36	0.18	0.05
3	7.48	7.44	7.31	56	50	93	89	0.74	0.65	1.91	1.84	4.08	0.17	0.04
145	7.57	7.46	7.35	59	55	103	98	0.64	0.56	1.88	1.83	4,08	0.16	0.04
	7.56	7.45	7,34	58	53	85	81	0.69	0.61	1.92	1.86	3.85	0.15	0.04
16	7.52	7.44	7.32	59	55	100	96	0.67	0.60	1.91	1.88	3.78	0,17	0.04
	7.42	7.48	7.33	55	50	97	92	0.63	0.57	1.93	1.87	4.61	0.17	0.04
ig.	7.47	7.46	7.34	56	60	98	95	0.65	0.57	1.89	1.82	4.38	0.18	0.04
	7.45	7.50	7.38	64	59	90	88	0.63	0.55	1.89	1.84	4.50	0.24	0.05
30	7.60	7.49	7.37	56	52	97	94	0.64	0.58	1.87	1.81	4.37	0.23	0.04
11	7.53	7.47	7.33	59	54	100	96	0.61	0.53	1.94	1.88	4.87	0.19	0.04
ERAGE	7.6	7.5	7.3	59	55	96	96	0.66	0.59	1.92	1.86	4,89	0.17	0.05

### OPTIONAL INFORMATION - Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

PLANT ID:

A 2987

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AGENCY INTEREST: 2:
REPORT MONTH/YEAR:

01/2015

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4

OF 1

	5.2%	CARTER STATES STATES AND THE													10.02
	RAW DAILY		SEDIM		BASIN EFF	LUENT					AL FILTER E				CFE DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
1	2.39		0.16	0.18						0.06	0.05	80.0	0.04		0.05
1.2	2.27		0.15	0.16						0.06	0.05	0.08	0.03		0.05
	2.25		0.15	0.14						0.06	0.05	0.08	0.02		0.05
4	4.28		0.18	0.16						0.06	0.05	0.09	0.02		0.06
5	5.23		0.15	0.13						0.05	0.05	0.08	0.04		0.05
	5.26		0.20	0.21						0.05	0.05	0.07	0.02		0.05
	5.85		0.21	0.16						0.06	0.06	0.08	0.03		0.05
8	6.47		0.24	0.21						0.05	0.05	0.10	0.02		0.06
9	6.24		0.17	0.14						0.06	0.05	0.08	0.04		0.05
10	6.30		0.22	0.15						0.05	0.05	0.06	0.02		0.05
10	6.20		0.20	0.13						0.05	0.05	0.07	0.02		0.05
12	6.06		0.24	0.14						0.06	0.05	0.07	0.02		0.05
- 10	5.92		0.28	0.15						0.05	0.05	0.11	0.04		0.06
14.3	5.48		0.22	0.14						0.05	0.04	0.06	0.02		0.04
16	5.90		0.26	0.15						0.05	0.04	0.08	0.02		0.05
16	5.93		0.27	0.18						0.05	0.05	0.08	0.02		0.05
17	5.35		0.30	0.17						0.05	0.05	0.10	0.02		0.05
18	4.50		0.22	0.15						0.05	0.04	0.08	0.02		0.05
19	4.74		0.27	0.24						0.05	0.04	0.16	0.03		0.05
20	4.52		0.23	0.18		41				0.05	0.04	0.07	0.04		0.05
$J_{2}(\hat{\xi}_{i})$	4.32		0.19	0.26						0.05	0.05	0.04	0.09		0.06
2.0	7.36		0.18	0.20						0.05	0.04	0.05	0.07		0.06
. 23	4.08		0.22	0.18						0.04	0.04	0.04	0.03		0.04
24	4.08		0.24	0.17						0.04	0.04	0.05	0.02		0.04
25	3.85		0.22	0.17						0.05	0.05	0.04	0.02		0.04
20	3.78		0.25	0.18						0.05	0.04	0.04	0.02	-	0.04
21	4.61		0.24	0.17	-					0.04	0.04	0.06	0.02		0.05
28	4.38		0.27	0.19						0.05	0.04	0.05	0.02		0.05
29	4.50		0.35	0.22						0.05	0.06	0.07	0.02		0.05
30	4.37		0.30	0.21						0.05	0.05	0.07	0.02		0.05
31	4.87		0.27	0.14		·				0.05	0.04	0.08	0.03		0.05
AVERAGE	4.9	#DIV/01	0.2	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	0.05	0.05	0.07	0.03	#DIV/0!	0.05

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

- APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

01/2015

*Please answer Y/N question below this chart.

PAGE

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							ESS OTHERW	SE SPECIFIED		4 5 5 6 3	
	FLUC	PRIDE	IR	ON	MAN	JGANESE			Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.29	1.20	0.22	0.03	0.04	0.01			1.64	0.0	8.6
2	0.26	1.20	0.23	0.03	0.04	0.01			1.75	0.0	8.1
3	0.27	1.30	0.26	0.03	0.05	0.01			1.75	0.1	8.1
4	0.35	1.31	0.26	0.03	0.05	0.01			1.75	0.8	8.2
5	0.23	1.22	0.28	0.03	0.07	0.01			1.75	0.0	8.1
6	0.32	1.15	0.29	0.03	0.06	0.01			1.75	0.0	8.0
7	0.11	1.00	0.31	0.03	0.05	0.01			1.75	0.0	7.8
8	0.19	1.01	0.33	0.03	0.07	0.01			1.75	0.0	5.9
9 (	0.14	1.26	0.33	0.03	0.08	0.01			1.70	0.0	5.8
10	0.22	1.29	0.30	0.03	0.08	0.01			1.75	0.0	6.1
11	0.14	1.28	0.31	0.03	0.09	0.01			1.80	0.0	5.9
12	0.26	1.40	0.30	0.03	0.08	0.01			1.80	0.2	6.4
13	0.16	1.11	0.36	0.03	0.07	0.01			1.80	0.3	6.2
14	0.24	0.70	0.33	0.03	0.09	0.01			1.85	0.0	6.9
15	0.25	0.71	0.46	0.03	0.07	0.01	h		1.75	0.0	5.9
16	0.19	1.12	0.43	0.03	0.09	0.01			1.80	0.0	5.9
17	0.22	1.05	0.43	0.03	0.08	0.01			1.80	0.0	6.1
18	0.20	1.09	0.39	0.03	0.08	0.01			1.80	0.0	6.7
19	0.15	1,17	0.40	0.03	80.0	0.01			1.80	0.1	6.8
20	0.18	1.19	0.38	0.03	80.0	0.01			1.80	0.0	7.3
21	0.24	0.95	0.41	0.03	0.07	0.01			1.70	0.0	7.7
22	0.19	0.83	0.35	0,03	0.01	0.01			1.85	0.0 0.0 0.0 0.6	8.4
23	0.33	1.03	0.33	0.03	0.07	0.01			1.75	0.0	7.3
24	0.29	0.99	0.31	0.03	0.07	0.01			1.75	0.6	7.3
25	0.23	0.97	0.34	0.03	0.07	0.01			1.80	0.0	7.2
26	0.20	1.06	0.34	0.03	0.07	0.01			1.75	0.1	7.5
27	0.16	0.91	0.36	0.03	0.09	0.01			1.75	0.1	6.9
28	0.23	0.94	0.36	0.03	0.09	0.01			1.70	0.1	7.2
29	0.23	1.03	0.33	0.03	0.09	0.01			1.75	0.0	7.6
30	0.30	1.06	0.37	0.03	0.09	0.01			1.75	0.1	7.1
/30°/	0.26	1.04	0.41	0.03	0.10	0.01			1.70	0.1	6.7
VERAGE	0.23	1.08	0.34	0.03	0.07	0.01	#DIV/01	#DIV/0!	Monthly Minimum	Rainfall	7.1
VILIDIOE	0,20	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						1,1,1,1	1.64		H. C.S.
								of readings	31	2.31	医多次炎

For Free Chlorine, # less then 0.2 mg/L

For Chloramines, # less than 0.5 mg/L 0

1

Disinfectant Chloramines? (Y/N)

N

### T AND LOAD LEVEL OF A LEVEL WITH THE TRAINING X

PWS ID: KY0800273
PLANT ID: A

OF

11

REPORT MONTH/YEAR: 01/2015

PAGE

BENEFIT OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF A STATE OF TOTAL No: No: No: 4 No: 6 No: WASH WATER AREA (square feet) WASHWATER 160 AREA (square feet) 160 AREA (square feet) AREA (square feet) 160 160 AREA (aquare feet) WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN FILT RUN FILT RUN WASHWATER DAY GALLONS GALLONS HR8 GALLONS HRS **GALLONS** HRS GALLONS HRS GALLONS HRS 28,000 14,000 94.80 14,000 94.90 0 98.90 12,000 24,000 12,000 98.90 91.10 35,000 18,000 91.10 17,000 4. 0 30,000 15,000 91.80 15,000 91.80 171 0 32,000 16,000 16,000 94.60 94.50 9 0 10 11 0 15,000 14,000 127.80 29,000 127.80 13 115.20 17,000 115.20 18,000 35,000 14 0 16 0 16 0 17 12,000 118.90 12,000 118.90 24,000 12,000 24,000 12,000 122.80 122.90 19 0 20 12,000 24,000 12,000 91.40 91.40 21 0 22 33,000 17,000 91.30 16,000 91.30 23 0 95.10 30,000 15,000 95.10 15,000 0 26 0 27 28 15,000 102.80 30,000 15,000 102.80 32,000 16,000 16,000 95,70 95.70 29 0 30 16,000 90.80 15,000 90.80 31,000 0 441,000 97,000 719.60 96,000 719.60 125,000 803.30 123,000 803.60 0 0.00 TOTAL

15,625

100.413

15,375

100.450

#DIV/0!

#DIV/0!

COPY AS NEEDED

102.800

13,714

102,800

13,857

14,700

AVERAGE

PWS ID : KY0800273 PLANT ID:

REPORT MONTH/YEAR: 01/2015

CHE	MICALS ADDED	- Photogram			1651 R	EBUL 15			
CHLORINE	CHLORINE BOOSTER	NC NC	DRTH	TOTAL	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	HLORINE RESIDUAL EA		WE	ST
LBS	LBS	T	T F	Ţ	F		F	Ţ	Р
lement and a second		1.76	1.70	1.46	1.41	1.83	1.76	1.52	1.44
		1.56	1,50	1.42	1.35	1,58	1.54	1,74	1.6
		1.71	1.62	1.47	1.37	1.65	1.44	1.82	1.7
		1.71 1.57 1.63	1.50	0.73	0.69	1.58	1,56	1.80	1.75
		1.63	1.56	1:77	1.70	1.61	1.59	1.68	1.53
		1.66	1.56	1,15	1.10	1.17	1,14	1,24	1.1
	S.	1.04	1.57	1.24	1.19	1.17	1.06	1.43	1.3
		1.62	1.54	1.50	1,43	1.55	1,50	1.75	1.5
		1.39	1.34	0.63	0.58	1.45	1,42	1.59	1.5
	5	1.57	1.53	1.45	1.40	1.63	1,60	1.64	1,6
		1.62 1.39 1.57 1.52	1.45	1.17	1.11	1.71	1.70	1.75	1.7
		0.93	0.84	1.31	1,27	1.69	1.62	1.79	1.7
		1,44	1.40	1.09	1.04	0.97	0.88	1.27	1.1
	1	1,44	1,32	1.32	1,19	1.51	1.48	1.55	1,4
		1.83	1,79	1.65	1.59	1.74	1.70	1.69	1.6
		1.81	1.73	1,84	1.79	1.52	1.37	1.25	1.2
		1.55	1.51	1.74	1.69	1.73	1.68	1.71	1.6
		1.55	0.66	1.75	1.73	1.35	1.24	1.77	1.7
		0.43	0.38	1.73	1.65	1.75	1.71	1.79	1.7
		1.70	1.63	1,48	1.43	1.67	1.58	1.78	1.7
		1.70	1.68	1,54	1.50	1.50	1.44	1.48	1.4
	in the	4.00	1.61	1.78	1.74	1,69	1.64	1.26	1.1
	1	1.62 1.05 1.39	0.88	1.61	1.56	1.74	1,67	1,47	1.3
	+	1.39	1.32	1.59	1.55	1.73	1.69	1.54	1.4
	9	1.45	1.40	1,23	1.15	0.71	0.66	1.71	1.6
	-	1,45	1.65	1.62	1.60	1,83	1.82	1.73	1.6
	-	1.85	1.60	1.70	1.64	1.71	1.64	1,79	1.7
	38	1.69	1.63	0.96	0.91	1,79	1,73	1.72	1.6
			1.61	1.12	1.06	1.62	1.58	1,66	1.6
		1,65 0.79	0.74	0.85	0.83	1.71	1.68	1,78	1.7
		C AN AN	1.50	1.67	1.58	1.75	1.87	1.64	1.6
450 (15)				1.41	1.35	1.57	1.51	1.62	1.8
#DIV/01	To	erage 1.47	1.41	0.63	1.00	0.71	1.5	1.24	
0.0	Tr.	ntmum 0,43	0.3B	0.03	0.58	0.71	0.66	1,67	1.1

# Less than 0.2 mg/L/0.5 mg/L

Residuals 124 Minimum Monthly Free
Residuals 124 Residual

Residuals 124 Residual 0.38 Number of Free Residuals 0.43 Number of Total Residuals 0

Total # Less than 0.5 mg/L

N Disinfectant Chloraminos? (Y/N) 31 Number of days of operation?

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	00273	
	TURBIDITY I	REPORT				PLANT ID:	A	\	
PWS	APPLICAL	<b>有一种。有一种,有一种。</b>	ANTS WITH FIL County Water I	<b>但由在公司——由公司</b>	Report Period	(MM/YYYY):	01/2	015	PAGE: <u>8</u> OF <u>11</u>
	Hours Plant	# of Turbidity Sample's Required!		1115111	San Noon	Noon -4 pm	Apin, apin	8 pm Mid.	Meximum
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
34	24.0	6	0.06	0.05	0.05	0.05	0.06	0.06	0.060
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
8	23.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
7	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054
8	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.061
ŋ	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
ia	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.047
11.	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
12	23.5	6	0.05	0.05	0.05	0.05	0.05	0.05	0.051
13.4	24.0	6	0.05	0.05	0.05	0.05	0.06	0.05	0.061
345	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.044
16	24.0	6	0.05	0.05	0.05	0.04	0.05	0.05	0.049
16	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
17	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
18.3	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
_(0	24.0	6	0.05	0.04	0.05	0.05	0.05	0.05	0.046
20	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.049
24	24.0	6	0.06	0.05	0.05	0.05	0.05	0.05	0.058
278	24.0	6	0.05	0.05	0.05	0.05	0.06	0.04	0.060
23	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.042
24	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
26	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
2.6	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
	24.0	6	0.04	0.05	0.04	0.04	0.04	0.04	0.045
28	24.0	6	0.04	0.04	0.05	0.04	0.05	0.05	0.045
29	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
30	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
01	24.0	6	0.05	0.05	0.04	0.04	0.04	0.04	0.047
Total	743.0	186			TO	TAL # OF TURBIDITY	SAMPLES TAKEN -	. 186	0.061
			AL or DIRECT FI	LTRATION? (Y/N	) <u>Y</u>	j			
	pe of filtration basides		0.1 NTU	. 0	0.3 NTU	0	1 NTU	0	
Nun	nber of samples				7		5 NTU		-
			ber of samples ex		1 NTU		-		-,1
*NOT	TE: The "Number the next whole r	r of Turbidity Sam number.	pies Required" is	the number of hi	ours the plant ope	rated divided by	TIVUIIUV		
			linga samen talenn	avery 4 hours a	during plant oper	ation and in the	time frames not	ed above.	
ı cer	tity that the abo	ve turbidity read	A I I A A A A A A A A A A A A A A A A A	Every 4 Hours	during plant opera		02/04/	2015	_
	Signature of Prin	ncipal Executive O	ficer or Authorized	Agent		_	/ / c	ate	

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

	AP	PLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY EX	CEEDANCE REP	ORT		
PWS Name:	Mar	tin County Water Dis	trict		
PWS ID:	KY080	00273			
PLANT ID:	F				
Report Period (MM/YYY	<b>(</b> 1):	01/2	015		
If any filter excee	ded any one of th	e individuai filter	turbidity triggers	below,	
(also listed on the	e Summary Sheet	), complete the fo	ollowing and subr	nlt	
the appropriate r	eport(s).		41. 111. 11.	<i>€\$</i> #£\$#\$\$\$\$\$	PAGE 9 OF 11
Date	Fillior Number	Turbidity Roading - (NPU)	Trigger Level (sée bulow) =	Renson for Exceedance (if known)	Date and Time State was Contacted
		M. 10. 30. 50. 11. 11. 11. 11. 11. 11. 11. 11. 11. 1			
		77.5			

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PW\$ ID	KY0800273			MONITORING PERIOD (MMYYYY)	01/2015	
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE	FIELDS ARE PR	RE-
		PIN	METNE	POPULATED FOR YOU!!! JRMANION	577562745	
Hat Court of the		APPLIC	ABLE T	O ALL PLANTS		$\Box$
PLANT ID A	200 000 1883 - A 200	- TOP-107 - VARIABLE DE SASE-1997			55,800,000	
PLANT NAME	Martin County W	ater District		,,	1,800,000 1,890,000	ě
AGENCY INTER	EST 2987		IVIA	Annow Folding Gallons per day)	1,000,000	
	1435775111111	APPLICABLE TO	ILIER B	FILUENT INREIDITY ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	\$4151311X	
Were measurement was there a failure of Yes, (1) we (2) was individual fill was individual fill was individual fill was individual fill fany of the last	conitored continuously? (Yents recorded every 15 mire of the continuous monitore individual filter effluents the continuously monitoter level greater than 1.0 Iter level greater than 1.0 Iter level greater than 2.0 Iter level greater than 3.0 Iter level	nutes? (Y/N) toring equipment? (Y turbidity grab sample oring equipment repa NTU in two consecuti NTU in two consecuti NTU in two consecuti NTU in two consecuti NTU in two consecuti the Individual Filt	es collective meastive  ted every four hours of operation? (Y/N)		Y Y Z Z Z Z Z	
APPLICA	ABLE TO ALL PLANTS	NITH FILTRATION		APPLICABLE TO ALL PLA	NTS	-
Were samples ta Number of sampl Highest single tur For all filtration ex Number of sa Number of sa When filtration is Number of sa Number of sa	of plant operation ken every 4 hours of plan les taken rbidity reading xcept slow sand filtration: mples exceeded 0.1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 1 NTU mples exceeded 1 NTU slow sand filtration: mples exceeded 5 NTU		743.0 Y 186 0.06 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Number of lowest chlorine samples recorded Lowest single chlorine reading If less than required: Was residual restored within 4 hours of plant of the Chlorine (for all disintectants except chloring Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chloramine Number of samples under 0.5 mg/L	peration? (Y/N) omine):	31  Y  31 1.64 
APPLICABL	NE DIOXIDE ENTRY PO E TO PLANTS UTILIZING	INT MONITORING	DE	OPLORITE ENTRY POINT MON APPLICABLE TO PLANTS UTILIZING CI	ITORNO HLORINE DIOXIDE	135
ANALYTE CODE Number of days Were samples to Number of samp Highest single of	of plant operation	n? (Y/N)	31 0 0.00	ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation? ( Number of samples taken  Highest single chlorite reading  Number of chlorite samples exceeded 1 mg/L	Y/N)	31 0 0.00

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, eccurate and complete. I am eware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Office or Authorized Agent

02/04/2015

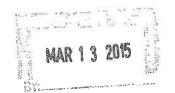
## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273					ERIOD (MMYYYY)	01/2015
AI 25	987	NOTE: COMPL	ETE ALL			NOT ALL OF THE	FIELDS ARE PRE-
					ULATED FOR		
	PURGHAS	<ul><li>一覧を打造機が有限をご知识していることがある。</li></ul>	ALL MANAGEMENT AND AND A STATE OF	THE PERMITS	The Sea Sea The Library Black Hills	/ SOUDY EXT	24316232
	WOLLO (BIAIO ID)			L WATER S	YSTEMS	LIOVA MI	JCH? (gallons)
	VHOM? (PWS ID)	HOW MUCH? (gallo		101	WHOM? (PWS IE	) HOVVIVIC	CHY (gallons)
WV33030		1,34	1,000				
KY098057	<u>'5                                    </u>		0				
							- 10
				-			
				-			
				-			
*****			52-54	-			
	131111111	DISTRIBUTION RES	DÚALDIS	NECTANI	GONCENTRAT	IONE 1	
ANALYTE	DDE 0999	APPLICAL	SLE TO AL	L WATER S	STOTEMS		
ANALYTE CO			31	Free Chlor	ine (for all disinfe	ctants except chlorar	nine)
	ys of operation s taken each day of oper	ation? (Y/N)	<u>Y</u>		r of samples und		0
Number of sa		ation (1714)	اخنا			ectant is chloramine)	
FREE	·		124		r of samples und		
TOTAL			124		•		
F	FREE chlorine reading		0.38				
	TOTAL chlorine reading		0.43				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

02/04/2015



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT  DEP Form 4012Re	H & YEAR (mm/yyyy) [ evised 07/2006	02/2015	Indicate one with "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID:	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County V	Vater District	_ PLANT CLASS: _	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:	03-09-2015
SOURCE NAME:	Crum Rese	rvolr	COUNTY:	Martin
	Tug For	rk		8
	OPERATOR(S) RESPONS	SIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	17562
WTP SHIFT 2:	Michael Sa		1V-A	21944
WTP SHIFT 3:	Tim Rec	od	1V-A	24590
DISTRIBUTION: THIS REF				APPLICABLE FIELD OFFICE
		IAN 10 DAYS AFTE	R THE END OF TH	E MONTH.
TREATMENT PLANTS	COMPLETE:	41780e		
1. DESIGN CAPACITY (gpm):	\	1,66		
2. TYPE OF FILTRATION USE	).*	Dual M		
3. DESIGN FILTRATION RATE		2.60		
4. PERCENT BACKWASH WA	3.5	#2 - 3/18/10		
5. DATE FLOCCULATION BA	ISIN(S) LAST GLEANED:	#2 - 3/10/10	#G - 3121 00	
6. DATE SETTLING BASIN(S)	) LAST CLEANED:			×
ACTOR OF THE REAL PROPERTY.	The Heathway		TRIU 8	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalties under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

03-09-2015

DATE

 PWS ID :
 KY0800273

 PLANT ID:
 A

 REPORT MONTH/YEAR:
 02/2015

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 OF
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	RAW WATER	HOURS PLANT	COAGU		COAGI		pH ADJU	STMENT	DISINFE		DISINFE	
DAY	GALLONS	OPERATED	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LB8	PPM
1	1,807,000	22.5	145.3	10,8	3.9	0.3			232,6	17,4	171.7	12.8
		23.0	148.5	10.9	3.9	0.3			231.0	16.9	162.2	11,9
2	1,838,000			10.2	3.9	0.3			247.0	16.6	169.2	11.4
3	1,784,000	23.5	151.8	9.9	4.2	0.3			244.7	15.6	169.2	10.8
4	1.860.000	24.0	155.0	10.0	4.2	0.3			234.6	15.1	169.2	10.9
5		24.0			4.2	0.3			235.7	14.7	169.2	10,6
ā	1,923,000	24.0	155.0	9.7					240.9	15.5	169.2	10.9
7	1,859,000	24.0	155.0	10.0	4.2	0.3				14.9	169.2	10.6
8	1,919,000	24.0	155.0	9.7	4.2	0.3			238.6		151,6	10.7
9	1,695,000	21.5	138,9	9.8	4.2	0.3			208.6	14.8		
0	1,921,000	24.0	155.0	9.7	4.2	0.3			232.8	14.5	169.2	10.6
	1,918,000	24.0	155,0	9.7	4.2	0.3			232.8	14.6	169.2	10.6
2	1,650,000	21.0	136,0	9.9	3.7	0.3			203.8	14.8	148.1	10.8
3	1,937,000	24.0	155.0	9,6	4.2	0.3			212.8	13.2	169.2	10,5
4	1,982,000	24.0	155.0	9.4	4.2	0.3			209.0	12.6	169.2	10.2
6	1,942,000	24.0	155.0	9.6	4.2	0,3			209,2	12.9	169.2	10.4
6	1,994,000	24.0	155.0	9.3	4.2	0.3			209.0	12.6	169.2	10.2
7.	1,944,000	24.0	155.0	9.6	4.2	0,3			213,7	13.2	164.9	10.2
8	1,993,000	24.0	155.0	9.3	4.2	0.3			209.0	12.6	159.8	9.6
Q.	1,765,000	21.5	138.2	9.4	3.7	0.3			187.3	12,7	143.2	9.7
0	1,974,000	24.0	155.0	9.4	4.2	0.3			217.5	13.2	163.2	9.9
	1,977,000	24.0	155.0	9,4	4.2	0.3			217,1	13,2	159.8	9.7
2	1,979,000	24.0	155.0	9.4	4.2	0.3			213.6	12.9	159.8	9.7
7	1,973,000	24.0	155.0	9.4	4.2	0.3			219.4	13.3	163.7	9.9
4	2,090,000	24.0	292.9	16,8	4.2	0.2			240.6	13.8	183,1	10.8
5	2,129,000	24.0	292.9	16,5	4.2	0.2			347.4	19.6	183.1	10,3
6	2,110,000	24.0	292,9	16.6	4.2	0.2			253.4	14.4	183.1	10.4
6 7	2,091,000	24.0	292.9	16.8	4.2	0.2			259.0	14.9	183.2	10.8
В	2,060,000	24.0	292.9	17.0	4.2	0,2			259.8	15,1	183.1	10.7
9												
ō.				77								
34	FO ECO 000		4059.0		115.7		0.0		6460.9		4694.0	
OTAL ERAGE	53,592,000 1,914,000	1	4958.2 177.1	11.0	4.1	0.3	#DIV/0I	#DIV/0I	230.7	14.5	167.6	10.5

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPEICABLE TO ALL PLANTS

PWS ID :	KY0800273
DI ANTIDI	Δ.

REPORT MONTH/YEAR: 02/2015

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		in all	Kali All Frav			CHI	MICALS ROUSE			1000	revine a			
	DISINFE	CTANT	FLUO	RIDE	CARE	ON	JLCA Hg	JSTMENT	KMn	04	CORRO		H20	
							Por	et	т					<del>*************************************</del>
DAY	LBS	PPM	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LBS	PPM	L88	PPM
	404.3	30.2	57.1	4.3										
	393.2	28.8	58.4	4.3										
5	416.2	28.0	59.7	4.0										
4	413.9	26.4	60.9	3.9										
. 6	403.8	26.0	60.9	3.9										
-6	404.9	25.2	60.9	3.8										
	410.1	26.5	60.9	3.9										
100000	407.8	25.5	60.9	3.8										
e e	360.2	25.5	54.6	3.9										
10	402.0	25.1	60.9	3.8					6.6	0.4				
11	402.0	25,1	60.9	3.8					15.9	1.0				
12	351.9	25.6	53.3	3.9					13.9	1,0				
13	382.0	23.6	60.9	3.8					15.9	1.0				
14	378.2	22.9	60.9	3.7					15.9	1.0				
15	378.4	23.4	60.9	3.8					15.9	1.0				
18	378.2	22.7	60.9	3.7					15.9	1.0				
17	378.6	23.4	60.9	3.8					15.9	1.0				
400	368.8	22.2	60.9	3.7					15.9	1,0				
19	330.6	22.5	54,6	3.7				17	14.2	1.0				
20	380.7	23.1	60.9	3.7		L			15.9	1.0				
21 5	376.9	22.9	80.9	3.7					15.9	1.0				
122	373.4	22.6	60.9	3.7					15.9	1,0				
28	383.1	23.3	60.9	3.7					15.9	1.0				
24	423.7	24.3	60.9	3.5					15.9	0.9				
24 28.	530.5	29.9	60.9	3.4					15.9	0.9				
25	436.5	24.8	60.9	3,5					15.9	0.9				
4	442.2	25.4	60.9	3.5					15.9	0.9				
28	442.9	25.8	60.9	3.5					15,9	0.9				
29										W. Howa				
distribution.														
- 500 - 536														
TOTAL	11,154.9		1,677.5		0.0		0.0		288.4		0.0		0.0	
AVERAGE		25.0	59.9	3.8	#DIV/01	#DIV/0I	#DIV/0{	#DIV/0I	15.2	0.9	#DIV/0I	#DIV/0I	#DIV/0!	#DIV/01

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : _ PLANT ID: _ KY0800273

REPORT MONTH/YEAR:

02/2015

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OF

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						AL RESULTS	(mg/t_QR F	PM UNITESS	OTHERWIS	ESPECIFIED	ir.	171.191.00	TURBIDITY	NTU)
		pН		ALKA	TAL LINITY	HARD	TAL NESS	TOP	OF	PLA			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
	7.50	7.48	7.36	65	59	104	99	0.69	0.62	2.03	1.98	4.34	0.21	0.04
	7.58	7.52	7.39	67	63	109	104	0.74	0.66	1.94	1.88	4.61	0.24	0.04
1	7.41	7.47	7.37	60	56	100	95	0.70	0.63	1.90	1.85	4.53	0.24	0.04
	7.66	7.65	7.53	85	78	135	130	0.77	0.69	1.92	1.87	3.76	0.20	0.04
6	7.63	7.63	7.52	83	80	137	132	0.78	0.69	1.92	1.86	4.54	0.26	0.04
li.	7.60	7.61	7.52	85	80	125	130	0.68	0.61	1.89	1.79	4.71	0.25	0.04
7.	7.61	7.65	7.54	75	72	130	125	0.74	0.67	1.91	1.85	4.89	0.31	0.04
8.	7.65	7.66	7.53	90	85	135	130	0.67	0.61	1.86	1.80	4.54	0.37	0.05
2	7.64	7.59	7.51	90	85	125	120	0.71	0.63	1.83	1.75	5.17	0.36	0.05
10	7.64	7.62	7.51	85	80	130	125	0.68	0.59	1.83	1.76	5.54	0.31	0.05
11	7.63	7.68	7.55	85	80	120	125	0.74	0.66	1.85	1.78	5.20	0.34	0.05
12	7.71	7.70	7.58	82	78	106	110	0.74	0.65	1.83	1.78	4.86	0.35	0.05
13.3	7.72	7.65	7.57	93	88	124	118	0.73	0.66	1.80	1.75	4.94	0.33	0.04
.0	7.77	7.74	7.59	90	85	132	128	0.69	0.62	1.82	1.77	4.65	0.34	0.05
(8)	7.76	7.72	7.58	93	88	140	135	0.72	0.63	1.81	1.76	4.23	0.36	0.05
16	7.77	7.78	7.63	95	90	136	132	0.71	0.64	1.82	1.77	4.20	0.31	0.05
17	7.87	7.75	7.63	97	92	135	140	0.70	0.62	1.81	1.76	4.05	0.33	0.05
18	7.94	7.80	7.65	75	73	142	138	0.67	0.58	1,85	1.79	3.77	0.29	0.05
19	7.88	7.81	7.67	95	92	144	140	0.63	0.55	1.79	1.75	3.66	0.25	0.06
20)	7.81	7.79	7.62	100	95	145	140	0.71	0.61	1.86	1.81	3.52	0.39	0.09
24	7.79	7.76	7.61	90	85	145	140	0.79	0.68	1.86	1.79	3.75	1.47	0.33
2	7.74	7.70	7.59	87	85	139	140	0.70	0.60	1.80	1.72	5.70	2.56	0.47
781	7.79	7.67	7.57	90	85	134	130	0.65	0.59	1.74	1.69	10.80	1.76	0.42
26	7.71	7.69	7.54	82	85	130	128	0.57	0.50	1.84	1,77	9,97	0.30	0.06
25	7.73	7.67	7.49	95	90	130	126	0.70	0.63	1.83	1.77	8,86	0.21	0.05
<b>X</b> 6	7.76	7.62	7.49	95	90	132	128	0.69	0.62	1.78	1.73	9.04	0.18	0.05
27	7.74	7.59	7.45	83	80	130	125	0.72	0.64	1.84	1.76	9.07	0.29	0.04
28	7.51	7.41	7.35	72	67	125	126	0.75	0.66	1.92	1.84	14.80	0.18	0.04
y(i)														
31 AVERAG	7.7	7.7	7.5	85	81	129	126	0.71	0.63	1.85	1.79	5.78	0.46	0.09

### OPTIONAL INFORMATION—Surface Water Plants Only

PWS ID:

KY0800273

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

PLANT ID: AGENCY INTEREST:

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

2987 REPORT MONTH/YEAR:

02/2015

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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1.5	1.4.5			). B		- AN	ALYTICAL I	ESULTS	iru)			k	1.0784	* ***	HV75 (# HV75
,	RAW		SEDIM		BASIN EFFL	UENT					L FILTER E				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	DAILY M	#4	#5	#6	#1	#2	#3	ILY MAXIMI	₩ #5	#6	#7	MAXIMUM
	4.34		0.30	0.16						0.05	0.05	0.05	0.02		0.05
3.3	4.61		0.35	0.18						0.05	0.05	0.05	0.02		0.05
	4.53		0.46	0.34						0.05	0.05	0.05	0.02		0.05
4	3.76		0.31	0.22			-1110			0.05	0.05	0.04	0.02		0.04
Ju ili	4.54		0.40	0.28						0.05	0.05	0.09	0.03		0.06
6	4.71		0.37	0.15						0.05	0.04	0.06	0.02		0.05
7	4.89		0.52	0.22						0.05	0.04	0.06	0.02		0.05
8	4.54		0.63	0.18						0.05	0.05	0.08	0.03		0.05
59	5.17		0.65	0.20						0.05	0.04	80.0	0.03		0.06
10	5.54		0.64	0.18						0.05	0.04	0.04	0.02		0.05
-11	5.20		0.57	0.20						0.05	0.05	0.05	0.02		0.05
12	4.86		0.61	0.16						0.05	0.05	0.07	0.02		0.05
13	4.94		0.59	0.20						0.05	0.05	0.07	0.03		0.05
14	4.65		0.59	0.24						0.05	0.05	0.08	0.02		0.05
15	4.23	r=====================================	0.64	0.26						0.05	0.05	0.09	0.02		0.05
16.	4.20		0.74	0.24						0.05	0.05	0.04	0.02		0.06
17	4.05		0.54	0.26						0.05	0.05	0.11	0.03		0.06
18	3,77		0.46	0.33						0.05	0.05	0.08	0.03		0.06
19	3.66		0.36	0.17						0.05	0.05	0.09	0.03	<u></u>	0.06
20.	3.52		0.41	0.80						0.05	0.05	0.38	0.09		0.18
Ži.	3.75		0.41	3.85						0.05	0.05	1.41	0.09		0.73
22	5.70		0.60	5.22						0.05	0.05	1.99	0.15		0.81
71/23	10.80		0.47	5.29						0.05	0.05	0.04	0.38		1.20
+ 24	9.97		0.50	0.34						0.05	0.05	0.14	0.02		0.07
26	8.86		0.38	0.19						0.05	0.05	0.14	0.02		0.07
26	9.04		0.32	0.16						0.05	0.04	0.11	0.03		0.06
27	9.07		0.62	0.27						0.04	0.04	0.09	0.02		0.05
23	14.80		0.25	0.16						0.04	0.04	0.09	0.02		0.05
29 20. :															
240															
31															
AVERAG	5.8	#DIV/01	0.5	1	#DIV/0I	#D(V/0)	#DIV/01	#DIV/0!	#DIV/0I	0.05	0.05	0.20	0.05	#DIV/0!	0.15

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR: __

02/2015

APPLICABLE TO ALL PLANTS *Please answer Y/N question below this chart.

PAGE

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	FLUC	RIDE	IR	ON	MAR	NGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP		INCHES	F ⁰ /C ⁰
4	0.27	0.75	0.43	0.03	0.09	0.01			1.85	0.0	7.1
2	0.15	0.92	0.40	0.03	0.10	0,01			1.85	0.7	7.6
3	0.24	1.06	0.43	0.03	0.10	0.01			1.75	0.0	6.6
4	0.34	0.93	0.25	0.03	0.06	0.01			1.70	0.0 0.0 0.1 0.0	7.5
5	0.20	1.00	0.23	0.03	0.08	0.01			1.75	0.1	7.6
6	0.22	0.88	0.25	0.03	0.07	0.01					7.4
7	0.29	0.81	0.30	0.03	0.06	0.01			1.65	0.0	7.3
8	0.31	1.05	0.21	0.03	0.08	0.01			1.75	0.0	7.4
9	0.18	0.93	0.13	0.03	0.06	0.01			1.70	0.0	7.5
10	0.24	0.89	0.17	0.03	0.06	0.01		51	1.70	0.0	7.3
11	0.14	0.81	0.24	0.03	0.04	0.01			1.65	0.0	7.4
12	0.35	0.99	0.27	0.03	0.08	0.01			1.62	0.0	7.2
13. }	0.31	1.08	0.25	0.03	0.05	0.01			1.75	邀 0.0	6.9
14	0.26	1.01	0.24	0.03	0.06	0.01		v	1.75	0.0	6.9
15	0.30	0.95	0.22	0.03	0.05	0.01			1.65	0.1	6.5
16	0.22	0.97	0.20	0.03	0.05	0.02			1.80	0.0	6.1
17	0.20	1.02	0.25	0.04	0,05	0.01			1.75	1.0	5.4
18	0.28	0.89	0.24	0.03	0.05	0.01			1.70	0.0	4.9
19	0.41	0.87	0.26	0.05	0.05	0.02			1.59	0.1	5.2
20	0.34	0.91	0.19	0.03	0.06	0.01			1.70	0.0	4.2
21	0.28	1.27	0.21	0.04	0.06	0.03			1.71	0.4	4.7
22	0.28	1.24	0.23	0.03	0.09	0.02			1.75	1.6	4.9
23	0.20	1.00	0.17	0.03	0.08	0.01			1.75	1.6 0.0 0.0	4.9
24	0.15	1.08	0.25	0.03	0.07	0.01	-		1.80	0.0	5.0
26	0.15	0.96	0.22	0.03	0.08	0.01	ļ		1.75	0.0	5.3
26	0.06	0.71	0.21	0.03	0.05	0.01	-				5.7
26 27	0.18	0.95	0.22	0.05	0.10	0.01	-		1.69	0.0	5.6
-201	0.12	0.81	0.28	0.03	0.08	0.01			1.70	0.0	6.9
Z9;										<u></u>	-
30							-			) - 기계 : : : : : : : : : : : : : : : : : :	
31									K-4-200 (100 all 100 a	lotal	
AVERAGE	0.24	0.98	0.25	0.03	0.07	0.01	#DIV/01	#DIV/01	Monthly Minimum.	Rainfall	6.3
							22.00	eniul.	1.59		

28 3.92 Number of readings

For Free Chlorine, # less than 0.2 mg/L 0 For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

OF

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REPORT MONTH/YEAR: 02/2015

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PAGE

		a ro visit of				plyddia	АТІОН				
	TOTAL	No:	160	No: AREA (square feet)	180	No: AREA (equare feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	
	WASH WATER	AREA (square feet) WASHWATER	FILT RUN	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HR6	WASHWATER GALLONS	FILT RUN HR8
DAY	GALLONS	GALLON8	HRS	GALLUNB	пко	GALLONG	THIS	O/ILLO/IC			
1	0										
2	0			40.000	404.00						
3	31,000	15,000	131.60	16,000	131.60						
4	0					47000.00	132.80	16,000	132.80		
5	33,000					17000.00	132.00	10,000	132.00		
6	0										
7	33,000	17,000	103.40	16,000	103.30						
18	0							15.000	00.50		
9	31,000				-	16,000	96.50	15,000	96.50		
10	0										
tii.	37,000	19,000	92.60	18,000	92.60						
12	0									-	
13	32,000					17,000	88.30	15,000	88.30	al allering records	
14	0			in-							
16	31,000	16,000	83.90	15,000	83.90				-		
16	0										-
17	28,000					14,000	95.30	14,000	95.30		
18	0			-							
19	29,000	15,000	95.60	14,000	95.60				-		
20	35,000					18,000	76.50	17,000	76.50		
21	33,000					17,000	18.90	16,000	18.90		-
22	76,000					40,000	25.30	36,000	25.30		
23	78,000					40,000	20.70	38,000	20.80		
24	28,000	14,000	120.90	14,000	120.90						
26	0										
26	32,000					16,000	70.60	16,000	70.60		
27	0										
28	28,000	14,000	99.10	14,000	99.10						
7.9	0										
3(0	0							2011			
31	0										
TOTAL	595,000	110,000	727.10	107,000	727.00	195,000	624.90	183,000	625.00	0	0.00
AVERAGE		15,714	103.871		103.857		69.433	20,333	69.444	#DIV/0!	#DIV/0

**COPY AS NEEDED** 

#### KENTUCKY DIVISION OF WATER : DRINKING WATER FRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

ALE WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: 02/2015

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	CHLORINE	CHLORINE				TOTAL	(T) AND FREE (F) C	HLORINE RESIDUAL	(ppm)		-50000
	BOOSTER	BOOSTER		NO	RTH	801		EA	ВТ		28.1
All I	LBS	LBS	V-700-0000		F				F		
				1,62	1.60	1.39	1.32	1.56	1.55	1.50	1:4
_			ş (c)	1.88	1.85	1.35	1.31	1,90	1.85	1.79	1.
			- 20 H	1.70	1.68	1.24	1.15	1.42	1.40	1.78	1.
				1.17	1.09	1.18	1,15	1.48	1.41	1.31	1,
				1.84	1.57	1.53	1,49	1.40	1.36	1.55	1.
				1.44	1.38	1.66	1.58	1.70	1.64	1.75	1.
				1.47	1.40	1.48	1.46	1.75	1.70	1.75	1.
				1.57	1.53	1,31	1.23	1,12	0.98	0.87	0.
				1.84	1.60	1.25	1,22	1,52	1.51	1.53	1.
				1.64	1.56	0.61	0.56	1.59	1.48	1.20	1.
×				0.59	0.52	1.06	0.97	1.41	1.35	1.45	1.
			CONTRACTOR OF TAXABLE	1.47	1.51	1.55	1.60	1,49	1,57	1,50	1.
- X			32. j	1.56	1,50	1.61	1.59	1.26	1,20	1.58	1.
				1.56	1,47	1.37	1.27	1.19	1.12	1.61	1.
				1.54	1.48	1.44	1.39	1.64	1.63	1.49	1.
				1.53	1,39	1.44	1.40	1.34	1.25	1,56	1.
				1.15	1.11	0.48	0.44	1.46	1.39	1,57	1.
				1.61	1.58	1.58	1,55	1.52	1.51	1,58	1.
			100	1.55	1.50	1.31	1.24	1.39	1.36	1.54	1.
				1.41	1.34	1.51	1.48	1.34	1.21	1.74	1.
				0.57	0.50	1.40	1.31	1.50	1.39	1.69	1.
				1.54	1.52	1.18	1.13	1.61	1.58	1,60	1.
				1.24	1.22	1,44	1.40	1.84	1.67	1.67	1.
				1.40	1.29	0.39	0.31	1.44	1.39	1,59	-1:
				1.24	1.17	1.44	1.38	1.21	1,09	1.25	1
				1.00	0.89	1.06	0.93	1.33	1.24	1.23	1.
			Tale .	1.55	1.46	1.44	1.38	1,48	1,38	1.43	1.
			<b>X</b>	1.26	1.15	1.70	1.64	1.62	1.68	1.22	1,
	#DIV/0!	#DIV/01	Average	1.41	1.35	1.30	1.25	1.48	1.42	1.51	1.
	0.0	0.0	Total Minimum	0.57		0.39		1.12		0.87	
-			Free		0.50	-	0.31		0.98		0.

Total # Chlorine samples	0			
# Leas than 0.2 mg/L/0.6 mg/L	0			
Number of Free Residuals	112	Minimum Monthly Free Residual	Minimum Monthly Total	0.31
Number of Total Residuals	112	Residual	0.39	
Total # Less than 0.2 mg/L	0			

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 28

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID:	KY080		2			
	TURBIDITY F	REPORT			-	PLANT ID:	^	\	2			
	APPLICAL	ILE TO ALL PL	ANTS WITH FIL	TRATION	Report Period	(MM/YYYY):	02/2	015	PAGE:			
PWS	Name:	Martin	County Water D	District	_	1.7			8 OF <u>11</u>			
DAY	Hours Plant	# of Turnidity Samples Requireds	Mill Cam	4 am - 8 am	Stanz Noon	Noon, 4 pm	4 om - d nm	8 pm - Mid =	Dally Maximum			
	22.5	6	0.04	0.05	0.04	0.05	0.05	0.04	0.046			
2	23.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.046			
	23.5	6	0.05	0.04	0.04	0.04	0.04	0.04	0.045			
	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.044			
. 6	24.0	6	0.04	0.04	0.04	0.06	0.05	0.05	0.056			
B.	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.046			
7	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.049			
13	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054			
6	21.5	6	0.05	0.05	0.05	0.05	0.06	0.05	0.059			
10	24.0	6	0.05	0.05	0.05	0.05	0.04	0.05	0.046			
41.	24.0	6	0.04	0.05	0.05	0.04	0.04	0.04	0.045			
12	21.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.051			
, 13	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050			
14	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054			
	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.054			
16 16 17 18	24.0	6	0.05	0.06	0.06	0.06	0.05	0.06	0.058			
17	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062			
18	24.0	6	0.05	0.06	0.06	0.06	0.06	0.06	0.057			
119	21.5	6	0.06	0.06	0.06	0.06	0.06	0.00	0.062			
20	24.0	6	0.06	0.07	0.08	0.09	0.13	0.18	0.179			
24	24.0	6	0.13	0.24	0.33	0.64	0.73	0.29	0.731			
22	24.0	6	0.65	0.81	0.24	0.55	0.78	0.52	0.810			
THE RESERVE	24.0	6	0.77	1.20	0.13	0.45	0.28	0.08	1.195			
93) 94	24.0	6	0.06	0.06	0.07	0.07	0.06	0.07	0.071			
28	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.066			
26	24.0	6	0.06	0.05	0.06	0.06	0.06	0.05	0.057			
271	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050			
26	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050			
219	0.0	0							0.000			
30	0.0	0							0.000			
31	0.0	0							0.000			
Total	661.0	168			тот	AL # OF TURBIDITY	SAMPLES TAKEN	167	1.195			
			AL or DIRECT FIL	TRATION? (Y/N	ı) <u> </u>							
	pe of filtration besides a		0.4 NTU	19	0.3 NTU	11	1 NTU	1				
Nun	Number of samples exceeding> 0.1 NTU 19 0.3 NTU 11 1 NTU 1  For slow sand flittation, the number of samples exceeding> 1 NTU 5 NTU											
For slow sand flitration, the number of samples exceeding> 1 NTU 5 NTU 5 NTU 1 NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded												
*NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.												
•	certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.											
. 551	- nes	17. a	le	A STATE SHOW	SIL	1	03-09-		5) <u>-</u>			
	Signature of Prince	ipal Executive Offi	cer or Authorized A	gent			Da	ite				

	APPLICABLE TO ALL SURFACE WATE	RIPLANTS WITH FILTRATION 1008 3.	
INDIVIDUAL FILTER TU	RBIDITY EXCEEDANCE REPORT		
PWS Name:	Martin County Water District		
PWS ID:	KY0800273		
PLANT ID:	Α		
Report Period (MM/YYYY):	02/2015		
•	ny one of the individual filter turbidity trigge mary Sheet ), complete the following and se s).	ubmlt PA	AGE 9 OF 11

(Diate)	Filter Number	Torbidity Reading (NTU)	Triggen Léveli(see zi below)	Reagon for Exceedings (If known)	Date and Time State was Contacted
2/20/2015	# 5	see attached sheets		2/20/15 the motor that turns the rake	
2/21/2015	# 5	see attached sheets		In unit #3 went out, this is the location of	
2/22/2016	#5	see attached sheets		# 5 and # 6 filters We could not get it repaired	
2/23/2016	#5	see attached sheets		until 2/23/15. We did report the problem to the	
				Divion 0f Water Edday afternoon, 2/20/15	
				Due to the harah weather we were having we were	
				very low on weter at the time, so we had to run the	
				unit in order to supply enough water for our system.	L
				Even with both units running we could not keep up.	t t
				The next day, 2/2/16 at 9:30am we had to issue a	
				Boll Water Advisory due to low system pressure	
William Washington					

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273		MONITORING PERIOD (MMYY	YY) 02/2015
-	NOTE: COM	PLETE ALL	APPLICABLE FIELDSIII NOT ALL OF POPULATED FOR YOU!!!	THE FIELDS ARE PRE-
			ORMATION	
PLANTID A	АР		O ALL PLANTS TAL WATER TREATED (gallons)	53,592,000
PLANT NAME	Martin County Water District		E. DAILY PRODUCTION (gallons)	1,914,000
AGENCY INTERE		MA	XIMUM PUMPAGE (gallons per day)	2,129,000
	A. B. W. W. MINDIVIDIU	AL FILTER E	FFLUENIFILIKEIDITY	
10110101010101010101010101010101010101			ANTS WITH FILTRATION	
	0100 onitored continuously? (Y/N)			<u>Y</u>
Į .	nts recorded every 15 minutes? (Y/N)			<u>Y</u>
If Yes (1) we	e of the continuous monitoring equipmen re individual filter effluent turbidity grab s	amples collec	eted every four hours of operation? (Y/N)	il il
	s the continuously monitoring equipment			34
Was individual filte	er level greater than 1.0 NTU in two cons	ecutive meas	surements? (Y/N)	<u>Y</u>
Was Individual filte	er level greater than 0.5 NTU in two cons	ecutive meas	surements after on line for more than four ho	ours? (Y/N) Y
Was individual filte	er level greater than 1.0 NTU in two cons	ecutive meas	surements in three consecutive months? (Y surements in two consecutive months? (Y/N	
	4 boxes are YES, fill out the Individua			/ =====================================
(MU) = IN-	BINESIETER EFFLUEN GEORBIDITY		ENTRY POINT RESIDUAL DISINEES	
APPLICA	BLE TO ALL PLANTS WITH FILTRATI	ON	APPLICABLE TO ALI	PLANTS
ANALYTE CODE	0100		ANALYTE CODE0999	
Number of hours	of plant operation	661.0	Number of days of plant approxica	
Were samples tak	***************************************		Number of days of plant operation	28
	ten every 4 hours of plant operation? (Y/		Were samples taken each day of operation	n? (Y/N)Y
Number of sample	es taken	167	Were samples taken each day of operation Number of lowest chlorine samples record	n? (Y/N)Y
Highest single turl	es taken Didity reading	,	Were samples taken each day of operation	n? (Y/N)Y
Highest single turk For all filtration ex	es taken	167	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of place.	n? (Y/N)
Highest single turk For all filtration ex Number of san Number of san	es taken  pidity reading  cept slow sand filtration:  nples exceeded 0.1 NTU  nples exceeded 0.3 NTU	167 1.20 19	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of please Chlorine (for all disinfectants except)	n? (Y/N)
Highest single turl For all filtration ex Number of san Number of sar Number of sar	es taken  pidity reading  cept slow sand filtration:  nples exceeded 0.1 NTU  nples exceeded 0.3 NTU  nples exceeded 1 NTU	167 1.20 19	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of plustee Chlorine (for all disinfectants except Number of samples under 0.2 mg/L	n? (Y/N)
Highest single turk For all filtration ex Number of san Number of san Number of san Number of san	es taken  pidity reading  cept slow sand filtration:  nples exceeded 0.1 NTU  nples exceeded 0.3 NTU	167 1.20 19	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of please Chlorine (for all disinfectants except)	n? (Y/N)
Highest single turk For all filtration ex Number of san Number of san Number of san Number of san When filtration is san	es taken  copt slow sand filtration:  nples exceeded 0.1 NTU  nples exceeded 0.3 NTU  nples exceeded 1 NTU  slow sand filtration:	167 1.20 19	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of plustree Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine)	n? (Y/N)
Highest single turk For all filtration ex Number of san Number of sar Number of sar When filtration is s Number of sar	es taken cidity reading cept slow sand filtration: exples exceeded 0.1 NTU exples exceeded 0.3 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 5 NTU	167 1.20 19 11 1	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of plane Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L	n? (Y/N)  28 1.59  ant operation? (Y/N) chloromine):  0  amine):
Highest single turk For all filtration ex Number of san Number of san Number of san When filtration is s Number of san Number of san	es taken cidity reading cept slow sand filtration: nples exceeded 0.1 NTU nples exceeded 0.3 NTU nples exceeded 1 NTU slow sand filtration: nples exceeded 1 NTU	167 1.20 19 11 11	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading If less than required:  Was residual restored within 4 hours of plustree Chlorine (for all disinfectants except Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine)	n? (Y/N) 28 1.59 ant operation? (Y/N) chloromine): 0 amine):
Highest single turk For all filtration ex Number of san Number of san Number of san When filtration is s Number of san Number of san	es taken cidity reading cept slow sand filtration: exples exceeded 0.1 NTU exples exceeded 0.3 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 1 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exceeded 5 NTU exples exce	167 1.20 19 11 11	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading. If less than required:  Was residual restored within 4 hours of planter Chlorine (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L  CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZING ANALYTE CODE 1009	ant operation? (Y/N) chloromine):  amine):  MONITORING IG CHLORINE DIOXIDE
Highest single turk For all filtration ex Number of san Number of san Number of san When filtration is s Number of san Number of san Number of san Number of san Number of san Number of san APPLICABLE ANALYTE CODE Number of days of	es taken codity reading coept slow sand filtration: exples exceeded 0.1 NTU exceeded 0.3 NTU exceeded 1 NTU exceeded 1 NTU exceeded 1 NTU exceeded 1 NTU exceeded 1 NTU exceeded 1 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 5 NTU exceeded 6 NTU exceeded 6 NTU exceeded 6 NTU exceeded 6 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exceeded 7 NTU exc	167 1.20 19 11 1 1 NS IOXIDE	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading.  If less than required:  Was residual restored within 4 hours of planter Chlorine (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L  APPLICABLE TO PLANTS UTILIZING ANALYTE CODE 1009  Number of days of plant operation	n? (Y/N)  ded  28  1.59  ant operation? (Y/N) chloromine):  0  amine):  MONITORING IG CHLORINE DIOXIDE
Highest single turk For all filtration ex Number of san Number of san Number of san When filtration is s Number of san Number of san Number of san Number of san Number of san APPLICABLE ANALYTE CODE Number of days of Were samples tak	es taken coldity reading coept slow sand filtration: explose exceeded 0.1 NTU explose exceeded 0.3 NTU explose exceeded 1 NTU explose exceeded 1 NTU explose exceeded 1 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exc	167 1.20 19 11 1 1 NG IOXIDE	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading.  If less than required:  Was residual restored within 4 hours of plene Chlorine (for all disinfectants except Number of samples under 0.2 mg/L.  Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L.  CHLORITE CHARTAROINT APPLICABLE TO PLANTS UTILIZING ANALYTE CODE 1009  Number of days of plant operation.  Were samples taken each day of operation.	n? (Y/N)  Ped 28 1.59  ant operation? (Y/N) chloromine):  amine):  MONIFORING IG CHLORINE DIOXIDE  28
Highest single turk For all filtration ex Number of san Number of san When filtration is s Number of san Number of san Number of san Number of san Number of san Number of san Number of san APPLICABLE ANALYTE CODE Number of days of Were samples tal Number of sample	es taken codity reading coept slow sand filtration: explose exceeded 0.1 NTU explose exceeded 0.3 NTU explose exceeded 1 NTU explose exceeded 1 NTU explose exceeded 1 NTU explose exceeded 1 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 5 NTU explose exceeded 6 NTU explose exceeded 6 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exceeded 7 NTU explose exce	167 1.20 19 11 1 1 NG IOXIDE	Were samples taken each day of operation Number of lowest chlorine samples record Lowest single chlorine reading.  If less than required:  Was residual restored within 4 hours of planter Chlorine (for all disinfectants except Number of samples under 0.2 mg/L  Total Chlorine (when disinfectant is Chlorine Number of samples under 0.5 mg/L  APPLICABLE TO PLANTS UTILIZING ANALYTE CODE 1009  Number of days of plant operation	n? (Y/N)  ded  28  1.59  ant operation? (Y/N) chloromine):  0  amine):  MONITORING IG CHLORINE DIOXIDE

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Exegutive Officer or Authorized Agent 03-09-2015

Date

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIO	OD (MMYYYY) O	2/2015
AI 298		NOTE: COMPLETE	ALL	APPLICABLE FIELDS!!! NO		LDS ARE PRE-
AI 250				POPULATED FOR YO	UI!I	
	PURCHAS				SOURCE STATE	
			O ALL	WATER SYSTEMS		
	IOM? (PWS ID)	HOW MUCH? (gallons)		TO WHOM? (PWS ID)	HOW MUCH	17 (gallons)
WV3303003		1,004,00	0		_	
KY0980575		I was recorded in the	0			
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		DISTRIBUTION RESIDUA	PDIS	NECTANT CONCENTRATION L WATER SYSTEMS	The second second	
ANIAL VOTE COE	DE 0999	APPLICABLE	IU AL	LWATERSTSTEMS		
ANALYTE COL		2	28	Free Chlorine (for all disinfectar	nts except chloramine	e)
Number of days	taken each day of oper		Y	Number of samples under 0		0
Number of sam			28.3	Total Chlorine (when disInfecta	12000	
FREE		11	2	Number of samples under 0		,
TOTAL		11		•	*******	
10000	REE chlorine reading	0.3				
Lowest single 7	OTAL chlorine reading	0.3	39			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent 03-09-20/5

Time	Combined	Turb # 3	Turb # 4	Turb # 5	Post CL2
20/02/2015 12:00:00 AM	0.061968	0.047844	0,046269	0.089767	1.73
20/02/2015 12:15:00 AM	0.061302	0.047554	0.044683	0.093144	1.74
20/02/2015 12:30:00 AM	0.060306	0.047442	0.048103	0.088827	1.74
20/02/2015 12:45:00 AM	0.061072	0.047538	0.045254	0.086416	1.74
20/02/2015 1:00:00 AM	0.063892	0.04763	0.043161	0.091531	1.73
20/02/2015 1:15:00 AM	0.066303	0.047952	0.044543	0.098681	1.73
20/02/2015 1:30:00 AM	0.068022	0.048193	0.046666	0.104958	1.72
20/02/2015 1:45:00 AM	0.068237	0.048451	0.046174	0.105629	1.72
20/02/2015 2:00:00 AM	0.068725	0.048682	0.049336	0.10758	1.72
20/02/2015 2:15:00 AM	0.069417	0.048725	0.047322	0.112166	1.73
20/02/2015 2:30:00 AM	0.068672	0.048446	0.047487	0.112524	1.73
20/02/2015 2:45:00 AM	0.069375	0.048327		0.111725	1.74
20/02/2015 3:00:00 AM	0.067912	0.047936	0.046497	0.112313	1.74
20/02/2015 3:15:00 AM	0.067991	0.048161	0.045866	0.113043	1.74
20/02/2015 3:30:00 AM	0.068552	0.04778	0.044459	0.11149	1.75
20/02/2015 3:45:00 AM	0.067456	0.048005		0.110196	1.76
20/02/2015 4:00:00 AM	0.067225	0.047732			
20/02/2015 4:15:00 AM	0.066832	0.047635			1.77
20/02/2015 4:30:00 AM	0.067425	0.047619			1,77
20/02/2015 4:45:00 AM	0.066371	0.047603			1.78
20/02/2015 5:00:00 AM	0.066707				
20/02/2015 5:15:00 AM	0.067068				
20/02/2015 5:30:00 AM	0.067435			0.110383	
20/02/2015 5:45:00 AM	0.06678				
20/02/2015 6:00:00 AM	0.067844	0.047093			
20/02/2015 6:15:00 AM	0.068777	0.04727			
20/02/2015 6:30:00 AM	0.070753	0.047179		0.11641	1.8
20/02/2015 6:45:00 AM	0.07014				1.8
20/02/2015 7:00:00 AM	0.070596				
20/02/2015 7:15:00 AM	0.071581	0.047259			
20/02/2015 7:30:00 AM	0.072635				
20/02/2015 7:45:00 AM	0.073322				
20/02/2015 8:00:00 AM	0.073505				1.8
20/02/2015 8:15:00 AM	0.074532				
20/02/2015 8:30:00 AM	0.074947				
20/02/2015 8:45:00 AM	0.076079				
20/02/2015 9:00:00 AM	0.076309	0.047018			
20/02/2015 9:15:00 AM	0.076682			0.1422	
20/02/2015 9:30:00 AM	0.079874				
20/02/2015 9:45:00 AM	0.080042				
20/02/2015 10:00:00 AM	0.080503				
20/02/2015 10:15:00 AM	0.080896				
20/02/2015 10:30:00 AM	0.081305				
20/02/2015 10:45:00 AM	0.082741				
20/02/2015 11:00:00 AM	0.083103				
20/02/2015 11:15:00 AM	0.083941				
20/02/2015 11:30:00 AM	0.084544				
20/02/2015 11:45:00 AM	0.086557				
20/02/2015 12:00:00 PM	0.088963				
20/02/2015 12:15:00 PM	0.088738				
20/02/2015 12:30:00 PM	0.088339	0.045686	0.043763	0.172003	1.73

Found that

Sludge Rake not

turning on 3 unit

Motor is bad.

This Unit is

# Sand # G

Filters

#5

20/02/2015 12:45:00 PM	0.089167	0.045665	0.043793	0.174595	1.75
20/02/2015 1:00:00 PM	0.090829	0.04538	0.042883	0.173233	1.77
20/02/2015 1:15:00 PM	0.090331	0.045332	0.04166	0.174375	1.78
20/02/2015 1:30:00 PM	0.089912	0.045477	0.042286	0.177163	1.81
20/02/2015 1:45:00 PM	0.092543	0.0453	0.041993	0.177124	1.83
20/02/2015 2:00:00 PM	0.098052	0.045241	0.042654	0.180417	1.86
20/02/2015 2:15:00 PM	0.100432	0.045069	0.043604	0.186831	1.88
20/02/2015 2:30:00 PM	0.105747	0.045123	0.042555	0.198214	1.87
20/02/2015 2:45:00 PM	0.110611	0.044972	0.041804	0.209083	1.85
20/02/2015 3:00:00 PM	0.115858	0.04537	0.041914	0.222799	1.85
20/02/2015 3:15:00 PM	0.121834	0.044736	0.04256	0.238318	1.85
20/02/2015 3:30:00 PM	0.126127	0.044613	0.042038	0.256512	1.85
20/02/2015 3:45:00 PM	0.12902	0.044849	0.042595	0.267224	1.86
20/02/2015 4:00:00 PM	0.130797	0.044833	0.042997	0.272438	1.86
20/02/2015 4:15:00 PM	0.133497	0.044785	0.043624	0.283777	1.86
20/02/2015 4:30:00 PM	0.130682	0.044849	0.043937	0.292186	1.87
20/02/2015 4:45:00 PM	0.130368	0.045128	0.043201	0.286085	1.87
20/02/2015 5:00:00 PM	0.126861	0.045321	0.04337	0.283449	1.88
20/02/2015 5:15:00 PM	0.12511	0.04523	0.04341	0.28316	1.87
20/02/2015 5:30:00 PM	0.124161	0.045133	0.044235	0.275707	1.87
20/02/2015 5:45:00 PM	0.120985	0.045107	0.043589	0.26966	1.86
20/02/2015 6:00:00 PM	0.119428	0.045407	0.042987	0.268993	1.86
20/02/2015 6:15:00 PM	0.119748	0.045552	0.043594	0.257012	1.86
20/02/2015 6:30:00 PM	0.119119	0.045686	0.043907	0.259438	1.86
20/02/2015 6:45:00 PM	0.122463	0.045729	0.043967	0.26107	1.86
20/02/2015 7:00:00 PM	0.120948	0.045719	0.044384	0.26204	1.86
20/02/2015 7:15:00 PM	0.123454	0.045906	0.044583	0.263956	1.86
20/02/2015 7:30:00 PM	0.127479	0.046041	0.044086	0.273286	1.87
20/02/2015 7:45:00 PM	0.131589	0.046153	0.044335	0.279313	1.87
20/02/2015 8:00:00 PM	0.139451	0.045939	0.044404	0.289824	1.88
20/02/2015 8:15:00 PM	0.146968	0.046035	0.04421	0.30205	1.88
20/02/2015 8:30:00 PM	0.157567	0.045885	0.044777	0.322274	1.87
20/02/2015 8:45:00 PM	0.170483	0.0461	0.044906	0.349328	1.83
20/02/2015 9:00:00 PM	0.174991	0.046212	0.044086	0.373177	1.73
20/02/2015 9:15:00 PM	0.15959	0.046019	0.045299	0.378631	1.66
20/02/2015 9:30:00 PM	0.165524	0.046304	0.044613	0.39562	1.62
20/02/2015 9:45:00 PM	0.047527	0.046535	0.044588	0.408542	1.63
20/02/2015 10:00:00 PM	0.046756	0.047168	0.045075	0.437664	1.69
20/02/2015 10:15:00 PM	0.04564	0.046819	0.044767	0.639407	1.81
20/02/2015 10:30:00 PM	0.175635	0.04625	0.044315	0.739327	1.91
20/02/2015 10:45:00 PM	0.180882	0.046218	0.042873	0.775163	1.94
20/02/2015 11:00:00 PM	0.131709	0.046492	0.043833	0.577282	1.91
20/02/2015 11:15:00 PM	0.127144	0.046266	0.043614	0.445911	1.89
20/02/2015 11:30:00 PM	0.124858	0.046229	0.044369	0.421474	1.87
20/02/2015 11:45:00 PM	0.123983	0.046229	0.043236	0.421959	1.86

Reported to the Division of water that Unit #3's Roke was not turning and we would have Turbidily Problems and that Due to the weather we needed to Run it in order to Keep water for everyone.

9:38 pm Back washed 5 and 46 filters

Time	Combined	Turb # 3	Turb # 4	Turb # 5	Post CL2
Time 21/02/2015 12:00:00 AM	0.125294	0.046196	0.043768	0.399668	1:85
21/02/2015 12:15:00 AM	0.123294	0.046395	0.043700	0.389833	1.84
21/02/2015 12:30:00 AM	0.134912	0.046008	0.043803	0.375936	1.82
21/02/2015 12:45:00 AM	0.139672	0.046239	0.043549	0.389446	1.81
21/02/2015 1:00:00 AM	0.146302	0.046159	0.043161	0.391749	1.8
21/02/2015 1:15:00 AM	0.140302	0.04632	0.044534	0.400413	1.79
21/02/2015 1:30:00 AM	0.174975	0.046148	0.044439	0.43371	1.79
21/02/2015 1:45:00 AM	0.174975	0.046325	0.04523		1.78
21/02/2015 1:45:00 AM	0.170040	0.046577	0.043683	0.478356	1.78
21/02/2015 2:15:00 AM	0.182848	0.046341	0.045031	0.497089	1.78
21/02/2015 2:30:00 AM	0.102040	0.046293	0.043668	0.508115	1.78
21/02/2015 2:45:00 AM	0.190475	0.046481	0.044325	0.514804	1.78
21/02/2015 3:00:00 AM	0.191848	0.04611	0.043718	0.513133	1.78
21/02/2015 3:05:00 AM	0.195397	0.046395	0.044583	0.521821	1.77
21/02/2015 3:30:00 AM	0.199092	0.046701	0.044394	0.518616	1.78
21/02/2015 3:45:00 AM	0.191859	0.04639	0.044136	0.533841	1.78
21/02/2015 3:45:00 AM	0.191858	0.04039		0.533658	1.78
	0.204706	0.046744		0.528318	1.78
21/02/2015 4:15:00 AM	0.204706	0.046599		0.557896	
21/02/2015 4:30:00 AM	0.200076			0.579761	1.78
21/02/2015 4:45:00 AM	0.21736			0.581633	
21/02/2015 5:00:00 AM				0.604493	
21/02/2015 5:15:00 AM 21/02/2015 5:30:00 AM	0.220997 0.225385	0.047157 0.049031			
21/02/2015 5:45:00 AM	0.230946				1.77
21/02/2015 6:00:00 AM	0.234526				
21/02/2015 6:15:00 AM	0.243165				
21/02/2015 6:30:00 AM	0.243013				1.77
21/02/2015 6:45:00 AM	0.255713				
21/02/2015 7:00:00 AM	0.254146				1.77
21/02/2015 7:15:00 AM	0.260489 0.265416				
21/02/2015 7:30:00 AM 21/02/2015 7:45:00 AM					
21/02/2015 7:45:00 AM 21/02/2015 8:00:00 AM	0.27895 0.285754				
21/02/2015 8:05:00 AM	0.203734		0.047402		
21/02/2015 8:30:00 AM	0.301346				
21/02/2015 8:45:00 AM	0.3213358				
21/02/2015 9:00:00 AM	0.328228	0.050002		0.988769	
21/02/2015 9:00:00 AM 21/02/2015 9:15:00 AM	0.320220	0.030002		1.01108	
21/02/2015 9:10:00 AM 21/02/2015 9:30:00 AM	0.345174			1.02632	
21/02/2015 9:45:00 AM	0.367022				
21/02/2015 10:00:00 AM	0.376798				
21/02/2015 10:05:00 AM 21/02/2015 10:15:00 AM	0.395385				
21/02/2015 10:13:00 AM	0.418816				
21/02/2015 10:45:00 AM	0.451199				
21/02/2015 11:00:00 AM	0.474142				
21/02/2015 11:15:00 AM	0.490146				
21/02/2015 11:30:00 AM	0.490140				
21/02/2015 11:45:00 AM	0.519293				
21/02/2015 11:45:00 AM 21/02/2015 12:00:00 PM	0.55779				
21/02/2015 12:00:00 PM	0.580429				
21/02/2015 12:30:00 PM	0.580429				
Z 1/UZIZU 13 12.30:00 MW	0.590174	0.040314	0.044101	1.50518	1.12

				#5	
21/02/2015 12:45:00 PM	0.616047	0.046857	0.044041	1.35776	1.72
21/02/2015 1:00:00 PM	0.633188	0.048284	0.045568	1.44301	1.72
21/02/2015 1:15:00 PM	0.634545	0.049256	0.046537	1.47145	1.72
21/02/2015 1:30:00 PM	0.649112	0.050405	0.046701	1.43416	1.72
21/02/2015 1:45:00 PM	0.666268	0.05019	0.047288	1.43268	1.72
21/02/2015 2:00:00 PM	0.679934	0.04946	0.046462	1.4754	1.72
21/02/2015 2:15:00 PM	0.675887	0.048521	0.046433	1.55304	1.72
21/02/2015 2:30:00 PM	0.687927	0.048231	0.046224	1.4568	1.72
21/02/2015 2:45:00 PM	0.693237	0.047554	0.044882	1.44964	1.72
21/02/2015 3:00:00 PM	0.700114	0.04734	0.045135	1.4681	1.72 1.72
21/02/2015 3:15:00 PM	0.715163	0.047452	0.045344 0.045538	1.57241 1.63127	1.72
21/02/2015 3:30:00 PM 21/02/2015 3:45:00 PM	0.713397 0.729279	0.047173 0.047023	0.045556	1.55324	1.72
21/02/2015 3:45:00 PM	0.729279	0.047023	0.044737	1.56571	1.71
21/02/2015 4:00:00 PM	0.731664	0.046942	0.04513	1.71906	1.71
21/02/2015 4:15:00 PM	0.743364	0.046325	0.04426	1.69665	1.71
21/02/2015 4:45:00 PM	0.732461	0.046368	0.04433	1.34995	1.75
21/02/2015 5:00:00 PM	0.712107	0.046234	0.044623	0.966345	1.8
21/02/2015 5:15:00 PM	0.77494	0.046239	0.044012	2.91188	1.82
21/02/2015 5:30:00 PM	0.072478	0.046148	0.044131	0.847696	1.85
21/02/2015 5:45:00 PM	0.05594	0.046883	0.044166	0.776643	1.88
21/02/2015 6:00:00 PM	0.354861	0.046207	0.044066	1.00696	1.89
21/02/2015 6:15:00 PM	0.216956	0.04618	0.044449	1.2032	1.84
21/02/2015 6:30:00 PM	0.186051	0.045552	0.043738	0.745119	1.77
21/02/2015 6:45:00 PM	0.2024	0.045982	0.044369	0.692638	1.81
21/02/2015 7:00:00 PM	0.192079	0.045939	0.044315	0.649653	1.8
21/02/2015 7:15:00 PM	0.190496	0.04581	0.044002	0.552962	1.81
21/02/2015 7:30:00 PM	0.221155	0.046014	0.044151	0.545621	1.81
21/02/2015 7:45:00 PM	0.211484	0.04596	0.044519	0.612926	1.82
21/02/2015 8:00:00 PM	0.220814	0.046379	0.044131	0.638868	1.81 1.81
21/02/2015 8:15:00 PM	0.231203 0.236864	0.046502	0.044857 0.044613	0.605379 0.577139	1.82
21/02/2015 8:30:00 PM 21/02/2015 8:45:00 PM	0.235804	0.045971 0.04632	0.044013	0.603326	1.81
21/02/2015 9:00:00 PM	0.293802	0.046379	0.043917	0.625887	1.81
21/02/2015 9:05:00 PM	0.336777	0.046363	0.044648	0.721432	1.82
21/02/2015 9:30:00 PM	0.363384	0.046717	0.044424	0.791378	1.81
21/02/2015 9:45:00 PM	0.372615	0.046336	0.044797	0.926884	1.82
21/02/2015 10:00:00 PM	0.406477	0.046771	0.044548	0.983731	1.81
21/02/2015 10:15:00 PM	0.408033	0.046814	0.044772	1.01887	1.81
21/02/2015 10:30:00 PM	0.422668	0.047018	0.045463	1.01747	1.8
21/02/2015 10:45:00 PM	0.43863	0.046824	0.044822	1.1306	1.79
21/02/2015 11:00:00 PM	0.443719	0.046701	0.04436	1.09827	1.8
21/02/2015 11:15:00 PM	0.463481	0.046679	0.045553	1.17954	1.79
21/02/2015 11:30:00 PM	0.479971	0.046347	0.045264	1.20401	1.79
21/02/2015 11:45:00 PM	0.490664	0.046851	0.044732	1.23451	1.79

5:05pm Backewashed #Sand #6 filters 18.9 hrs Runtime

Time	Combined	Turb # 3	Turb # 4	Turb # 5	Post CL2
22/02/2015 12:00:00 AM	0.497914	0.046615	0.04519	1.27432	1.79
22/02/2015 12:15:00 AM	0.503774	0.046819	0.045399	1.32889	1.78
22/02/2015 12:30:00 AM	0.529715	0.046647	0.044668	1.39193	1.78
22/02/2015 12:45:00 AM	0.614055	0.046792	0.04433	1.41514	1.78
22/02/2015 1:00:00 AM	0.642901	0.046663	0.045001	1.53533	1.77
22/02/2015 1:15:00 AM	0.655979	0.046631	0.045249	1.60329	1.77
22/02/2015 1:30:00 AM	0.663244	0.046669	0.044777	1.59491	1.77
22/02/2015 1:45:00 AM	0.694626	0.046524	0.044812	1.77211	1.77
22/02/2015 2:00:00 AM	0.695323	0.046701	0.045364	1.71468	1.76
22/02/2015 2:15:00 AM	0.727251	0.046599	0.044981	1.88049	1.76
22/02/2015 2:30:00 AM	0.718859	0.046535	0.044832	1.90301	1.76
22/02/2015 2:45:00 AM	0.718324	0.046921	0.044374	1.981	1.75
22/02/2015 3:00:00 AM	0.732272	0.046475	0.04596	1.98313	1.75
	0.732272	0.046492	0.045349	1.93651	1.75
22/02/2015 3:15:00 AM				2.09876	1.74
22/02/2015 3:30:00 AM	0.752794	0.046454	0.044762		1.74
22/02/2015 3:45:00 AM	0.770322	0.046556	0.044867	2.09264	
22/02/2015 4:00:00 AM	0.787772	0.046583	0.044887	2.18148	1.73
22/02/2015 4:15:00 AM	0.844619	0.046771	0.044896	1.8421	1.74
22/02/2015 4:30:00 AM	0.805431	0.046459	0.044703	1.48024	1.76
22/02/2015 4:45:00 AM	0.777823	0.046073	0.044877	3.70018	1.77
22/02/2015 5:00:00 AM	0.080529	0.046191	0.044727	1.38789	1.76
22/02/2015 5:15:00 AM	0.060783	0.047082	0.044767	0.96122	1.77
22/02/2015 5:30:00 AM	0.166342	0.046068	0.044648	1.06859	1.76
22/02/2015 5:45:00 AM	0.231182	0.046465	0.044305	1.22861	1.71
22/02/2015 6:00:00 AM	0.164974	0.046121	0.044031	1.02291	1.76
22/02/2015 6:15:00 AM	0.164119	0.046229	0.043872	0.915388	1.78
22/02/2015 6:30:00 AM	0.160906	0.046314	0.044012	0.951738	1.78
22/02/2015 6:45:00 AM	0.154967	0.046008	0.043813	1.03009	1.77
22/02/2015 7:00:00 AM	0.160932	0.045847	0.043962	1.04963	1.77
22/02/2015 7:15:00 AM	0.170902	0.045944	0.044111	1.06871	1.76
22/02/2015 7:30:00 AM	0.174603	0.045864	0.043882	1.02526	1.76
22/02/2015 7:45:00 AM	0.181894	0.045896	0.044767	0.816927	1.76
22/02/2015 8:00:00 AM	0.19644	0.046234	0.043624	0.700664	1.76
22/02/2015 8:15:00 AM	0.207479	0.046025	0.044176	0.603116	1.75
22/02/2015 8:30:00 AM	0.209167	0.046164	0.043892	0.570367	1.75
22/02/2015 8:45:00 AM	0.22734	0.046068	0.044384	0.550639	1.75
22/02/2015 9:00:00 AM	0.234432		0.043927	0.538163	1.74
22/02/2015 9:15:00 AM	0.241639	0.045912	0.044379	0.578825	1.74
22/02/2015 9:30:00 AM	0.2617	0.045804	0.0443	0.561008	
22/02/2015 9:45:00 AM	0.272534	0.045831	0.044474	0.547567	
22/02/2015 10:00:00 AM	0.315836	0.045864		0.548821	1.74
22/02/2015 10:15:00 AM	0.328527	0.045643		0.619948	1.73
22/02/2015 10:30:00 AM	0.332558	0.045611	0.044548	0.66407	1.73
22/02/2015 10:45:00 AM	0.338895	0.045966		0.68959	1.73
22/02/2015 11:00:00 AM	0.452048	0.045756		0.725543	
22/02/2015 11:00:00 AM	0.452040	0.045736		0.954188	1.73
	0.482115	0.045820	0.044091	1.02477	
22/02/2015 11:30:00 AM			0.043736	1.11281	1.73
22/02/2015 11:45:00 AM	0.484081	0.045541			
22/02/2015 12:00:00 PM	0.516108	0.045316		1.12747	
22/02/2015 12:15:00 PM	0.515044	0.045638		1.19521	1.73
22/02/2015 12:30:00 PM	0.535953	0.045413	0.043927	1.22798	1.72

4:41 Am

Sand #6 Filters

Back washed

10.9 hrs Runtime

				#5	
22/02/2015 12:45:00 PM	0.540466	0.045558	0.04336	1.24538 1.23385	1.72 1.72
22/02/2015 1:00:00 PM 22/02/2015 1:15:00 PM	0.540084 0.560878	0.045762 0.045423	0.043664 0.043693	1.32185	1.72
22/02/2015 1:30:00 PM	0.55161	0.045074	0.043093	1.41097	1.72
22/02/2015 1:45:00 PM	0.546216	0.045676	0.043887	1.35625	1.72
22/02/2015 2:00:00 PM	0.547129	0.045563	0.043778	1.27219	1.71
22/02/2015 2:15:00 PM	0.556669	0.045321	0.043982	1.31006	1.71
22/02/2015 2:30:00 PM	0.565401	0.045713	0.043664	1.3162	1.71
22/02/2015 2:45:00 PM	0.565946	0.045144	0.043887	1.27694	1.71
22/02/2015 3:00:00 PM	0.567598	0.045676	0.043683	1.31762	1.71
22/02/2015 3:15:00 PM	0.581242	0.045074	0.0442	1.32096	1.71
22/02/2015 3:30:00 PM	0.606082	0.045568	0.043907	1.37423	1,71
22/02/2015 3:45:00 PM	0.62197	0.045826	0.043693	1.39843	1,71
22/02/2015 4:00:00 PM	0.621871	0.045064	0.043932	1.42316	1.71
22/02/2015 4:15:00 PM	0.71651	0.045439	0.043698	1.49339	1.7
22/02/2015 4:30:00 PM	0.718246	0.045461	0.044186	1.55283	1.71
22/02/2015 4:45:00 PM	0.738961	0.045847	0.044046	1.6306	1.71
22/02/2015 5:00:00 PM	0.753847	0.045423	0.043937	1.63485	1.71
22/02/2015 5:15:00 PM	0.765972	0.04581	0.044325	1.61602	1.71
22/02/2015 5:30:00 PM	0.769693	0.046207	0.04425	1.71656 1.72055	1.71 1.71
22/02/2015 5:45:00 PM	0.785004	0.046078 0.04625	0.044176 0.044563	1.72055	1.71
22/02/2015 6:00:00 PM 22/02/2015 6:15:00 PM	0.79359 0.809614	0.04625	0.044303	1.74609	1.71
22/02/2015 6:30:00 PM	0.809014	0.045987	0.044916	1.78698	1.71
22/02/2015 6:45:00 PM	0.807229	0.046583	0.044429	1.97528	1.71
22/02/2015 7:00:00 PM	0.831179	0.046331	0.044703	1.91312	1.71
22/02/2015 7:15:00 PM	0.942377	0.046535	0.04421	1.84256	1.72
22/02/2015 7:30:00 PM	0.883696	0.046143	0.044434	1,4113	1.72
22/02/2015 7:45:00 PM	0.804367	0.046041	0.044543	1.28137	1.74
22/02/2015 8:00:00 PM	0.13898	0.04603	0.044449	2.63946	1.76
22/02/2015 8:15:00 PM	0.065391	0.046153	0.044519	1.14167	1.83
22/02/2015 8:30:00 PM	0.067398	0.0464	0.044916	1.35135	1.91
22/02/2015 8:45:00 PM	0.061711	0.0464	0.044976	1.01939	2.03
22/02/2015 9:00:00 PM	0.259372	0.046148	0.044519	1.14786	2.14
22/02/2015 9:15:00 PM	0.336966	0.046245	0.045016	1.14642	2.15
22/02/2015 9:30:00 PM	0.325146	0.046046	0.044543	1.14548	2.08
22/02/2015 9:45:00 PM	0.358536	0.045949	0.044389 0.044524	1.23023 1.3766	2.03 1.98
22/02/2015 10:00:00 PM 22/02/2015 10:15:00 PM	0.359878 0.385504	0.046325 0.046223	0.044524	1.53197	1.92
22/02/2015 10:13:00 PM	0.415545	0.046035	0.044369	1.65286	1.9
22/02/2015 10:45:00 PM	0.474824	0.046046	0.04421	1.85063	1.88
22/02/2015 11:00:00 PM	0.506578	0.046196	0.043698	2.11172	1.86
22/02/2015 11:15:00 PM	0.540744	0.045853	0.044568	2.23184	1.84
22/02/2015 11:30:00 PM	0.570937	0.046073	0.044534	2.17913	1.83
22/02/2015 11:45:00 PM	0.622573	0.046137	0.044727	2.03975	1.82

7:54pm # Sard # 6 Filter Wesh 14.4 hrs Runtime

Time	Combined			Turb # 5	Post CL2
23/02/2015 12:00:00 AM	0.623013	0.046164	0.044887	2.01471	1.81 1.81
23/02/2015 12:15:00 AM	0.644122	0.046787	0.045975	1.80884	1.8
23/02/2015 12:30:00 AM	0.667144	0.046637	0.044926	1.53122	1.78
23/02/2015 12:45:00 AM	0.748097	0.046674	0.045165	1.47142	1.78
23/02/2015 1:00:00 AM	0.794366	0.046288	0.045394	1.54397	
23/02/2015 1:15:00 AM	0.829281	0.047002	0.045359	1.5666	1.77
23/02/2015 1:30:00 AM	0.858405	0.047152	0.045051	1.66593	1,76
23/02/2015 1:45:00 AM	0.921788	0.046706	0.044951	1.78195	1.76
23/02/2015 2:00:00 AM	0.974509	0.047007	0.045225	1.73027	1.76
23/02/2015 2:15:00 AM	0.981339	0.046846	0.045155	1.78183	1.75
23/02/2015 2:30:00 AM	1.06948	0.046905	0.045458	1.78599	1.74
23/02/2015 2:45:00 AM	1.08246	0.047066	0.045483	1.86755	1.73
23/02/2015 3:00:00 AM	1.09486	0.04713	0.045418	1.8293	1.72
23/02/2015 3:15:00 AM	1.13185	0.046755	0.045016	1.8384	1.73
23/02/2015 3:30:00 AM	1.15464	0.047007	0.045503	1.82812	1.72
23/02/2015 3:45:00 AM	1.36001	0.046835	0.04509	1.84222	1.71
23/02/2015 4:00:00 AM	1.18685	0.047168	0.044986	1.82916	1.71
23/02/2015 4:15:00 AM	1.27786	0.046991	0.045001	1.78867	1.71
23/02/2015 4:30:00 AM	1.24927	0.046867	0.045046	1.78031	1.7
23/02/2015 4:45:00 AM	1.24112	0.046744	0.044708	1.74399	1.7
23/02/2015 5:00:00 AM	1.19589	0.046792	0.044628	1.7723	1.71
23/02/2015 5:15:00 AM	1.18608	0.046722	0.044663	1,84558	1.71
23/02/2015 5:30:00 AM	1.19784	0.046384	0.044568	1.61463	1.72
23/02/2015 5:45:00 AM	1.06468		0.044474	1.3997	1.76
23/02/2015 6:00:00 AM	0.580828		0.044623	5.36757	
23/02/2015 6:15:00 AM	0.086583		0.044414	1.46906	
23/02/2015 6:30:00 AM	0.082285			1.69252	
23/02/2015 6:45:00 AM	0.064867			1.59449	2.1
23/02/2015 7:00:00 AM	0.379749			1.56087	
23/02/2015 7:15:00 AM	0.192425			1.66212	
23/02/2015 7:30:00 AM	0.166426		0.043957	1.32737	
23/02/2015 7:45:00 AM	0.14528			1.12177	
23/02/2015 8:00:00 AM	0.137512		0.043977	1.00991	1.91
23/02/2015 8:15:00 AM	0.135955			0.888652	
23/02/2015 8:30:00 AM	0.122992			0.866488	
23/02/2015 8:45:00 AM	0.120377			0.875686	
23/02/2015 9:00:00 AM	0.126887			0.809224	
23/02/2015 9:15:00 AM	0.131631	0.045563		0.761393	
23/02/2015 9:30:00 AM	0.138173			0.73062	
23/02/2015 9:45:00 AM	0.160607			0.733952	
23/02/2015 10:00:00 AM	0.157981			0.738024	
23/02/2015 10:15:00 AM	0.180017			0.806681	1.72 1.71
23/02/2015 10:30:00 AM	0.22095			0.841938	
23/02/2015 10:45:00 AM	0.229012			0.864484	
23/02/2015 11:00:00 AM	0.236969			0.807734	
23/02/2015 11:15:00 AM	0.376075			0.746114	
23/02/2015 11:30:00 AM	0.369376			0.832143	
23/02/2015 11:45:00 AM	0.383392				
23/02/2015 12:00:00 PM	0.392948			0.947362	
23/02/2015 12:15:00 PM	0.406561				
23/02/2015 12:30:00 PM	0.410481	0.044371	0.041884	0.880488	1.72

5:35 Am

Sand & Filter

Wash

9.1 hrs runtime

23/02/2015 12:45:00 PM	0.42282	0.044124	0.042003	0.877783	1.77
23/02/2015 1:00:00 PM	0.43972	0.044253	0.042311	0.889034	1.8
23/02/2015 1:15:00 PM	0.441722	0.044248	0.042093	0.921165	1.83
23/02/2015 1:30:00 PM	0.451032	0.044194	0.041988	0.95677	1.85
23/02/2015 1:45:00 PM	0.471768	0.044038	0.042232	0.980203	1.88
23/02/2015 2:00:00 PM	0.475317	0.04406	0.042147	0.978135	1.89
23/02/2015 2:15:00 PM	0.488437	0.043802	0.041755	0.983952	1.91
23/02/2015 2:30:00 PM	0.510111	0.044334	0.041958	1.076	1.93
23/02/2015 2:45:00 PM	0.543423	0.044189	0.042038	1.05827	1.94
23/02/2015 3:00:00 PM	0.552517	0.044361	0.04175	1.12236	1.95
23/02/2015 3:15:00 PM	0.515243	0.044205	0.041869	1.14656	1.91
23/02/2015 3:30:00 PM	0.498889	0.043845	0.042162	1.14433	1.9
23/02/2015 3:45:00 PM	0.471605	0.043936	0.04173	1.14881	1.88
23/02/2015 4:00:00 PM	0.425724	0.044049	0.042366	1.16282	1.87
23/02/2015 4:15:00 PM	0.38162	0.044017	0.042436	1.11006	1.85
23/02/2015 4:30:00 PM	0.361036	0.043969	0.042595	1.01608	1.84
23/02/2015 4:45:00 PM	0.314369	0.044124	0.042252	0.955065	1.83
23/02/2015 5:00:00 PM	0.279857	0.044548	0.043067	0.877989	1.82
23/02/2015 5:15:00 PM	0.265185	0.044296	0.042913	0.820019	1.81
23/02/2015 5:30:00 PM	0.230039	0.04442	0.043097	0.742459	1.8
23/02/2015 5:45:00 PM	0.230852	0.044752	0.042485	0.677011	1.79
23/02/2015 6:00:00 PM	0.225783	0.044656	0.043624	0.813595	1.77
23/02/2015 6:15:00 PM	0.240229	0.045074	0.043276	0.56187	1.75
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23/02/2015 7:00:00 PM	0.056307	0.045874	0.043688	0.381703	1.77
23/02/2015 7:15:00 PM	0.09973	0.045681	0.042938	0.436072	1.78
23/02/2015 7:30:00 PM	0.144389	0.045262	0.043629	0.902221	1.78
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23/02/2015 9:00:00 PM	0.071435	0.045332	0.043495	0.233741	1.67
23/02/2015 9:15:00 PM	0.067357	0.045332	0.04344	0.190697	1.65
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filter backwashed
at 6:00 pm.
Backin service
at 7:02 pm

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# 6 Filter

This is a new Turbidimeter

Was installed 9/16/14

5:05 pm Buckwash

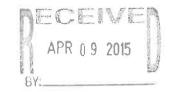
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# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT DEP Form 4012–Re	H & YEAR (mm/yyyy) evised 07/2006	03/2015	with "X"	GROUNDWATER  PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANTID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County	Water District	PLANT CLASS:	
AGENCY INTEREST (AI):	2987	_	DATE MAILED:	04-06-2015
SOURCE NAME:	Crum Res	ervolr	COUNTY:	Martin
	Tug Fo	ork		
	OPERATOR(S) RESPON	SIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alle	у	1V-A	17562
WTP SHIFT 2:	Michael S	Sartin	1V-A	21944
WTP SHIFT 3:	Timothy D	Reed	1V-A	24590
DISTRIBUTION:				
THIS REP	ORT MUST BE RECEIVE	ED BY THE DIVISIO	N OF WATER AND	APPLICABLE FIELD OFFICE
		HAN 10 DAYS AFTER		
TREATMENT PLANTS O	OMPLETE:			
1. DESIGN CAPACITY (gpm):		1,66	7	
2. TYPE OF FILTRATION USES	D:	Dual Mo	edia	
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66	· · · · · · · · · · · · · · · · · · ·	
4. PERCENT BACKWASH WAT	TER USED:	0.8		
5. DATE FLOCCULATION BAS	IN(S) LAST CLEANED:	#2 - 3/18/10 #	/3 - 9/2/ 09	
6. DATE SETTLING BASIN(S) L	AST CLEANED:			
	William Event Lea			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

04-06-2015

APPLICABLE TO ALL PLANTS

PWS ID: PLANT ID:

KY0800273 Α 03/2015

10.5

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OF

REPORT MONTH/YEAR: PAGE

	RAW WATER TREATED	HOURS PLANT OPERATED		GULANT	COAGULANT		PH ADJUSTMENT		DISINFECTANT		DISINFECTANT	
DAY	GALLONS	OFEIGHTED	LBS	РРМ	100			Pre		Pre		Post
	2.005.000				LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
The later	2,085,000	24.0	292.9	16.8	4.2	0.2			246.8	14.2	183,1	10.5
1525	2,040,000	24.0	292.9	17.2	4.2	0.2			258.2	15.2	183.1	10.8
3	2,034,000	24.0	292.9	17.3	4.2	0.2			246.8	14.5	183.1	10.8
4	1,967,000	24.0	292.9	17.9	4.2	0.3			241.8	14.7	181.1	11.0
ð	2,030,000	24.0	292.9	17.3	4.2	0.2			246.8	14.6	183.1	10.8
6	1,927,000	24.0	292.9	18.2	4.2	0.3			259.8	16,2	183.1	11.4
7.,.	2,049,000	24.0	292.9	17.1	4.2	0.2			259.8	15.2	169.2	9.9
8	2,010,000	24.0	292.9	17,5	4.2	0.3			259.8	15.5	169.2	10.1
9.1	2,014,000	24.0	292.9	17.4	4.2	0.3			279.6	16.6	178.0	10.6
10	1,983,000	24.0	292.9	17.7	4.2	0.3			264.5	16.0	183,1	11,1
	2,022,000	21.5	262.3	15.6	3.8	0.2			236.9	14.0	164.0	9.7
12	2,238,000	24.0	292.9	15.7	4.2	0,2			289.5	15.5	188.4	
13	1,916,000	24.0	292.9	18.3	4.2	0.3			247.6	15.5	173.4	10,1
14	1,969,000	24.0	292.9	17.8	4.2	0.3			270.4	16.5		10.9
15	2,028,000	24.0	292.9	17.3	4.2	0.2			280.2	16.6	159.8	9.7
16	1,902,000	23.0	280.6	17.7	3.7	0.2			276.4	17.4	159.8	9.4
17.	1,964,000	24.0	292.9	17.9	4.2	0.3			291.8		170.5	10.7
18	1,893,000	24.0	292.9	18.6	4.2	0.3			294.7	17.8	169.2	10.3
18	1,955,000	24.0	292.9	18.0	4.2	0.3			274.1	18.7	169.2	10.7
20	1,867,000	23.0	242.9	15.6	3.7	0.2				16.8	169.2	10.4
21	1,965,000	24.0	223.3	13.6	4.2	0.3			265.3	17.0	162.2	10.4
22	1,755,000	22.0	204.6	14.0	3.9	0.3			287.5	17.5	172.3	10.5
23	1,976,000	24.0	223.3	13.5	4.2				260.6	17.8	155.1	10.6
24	1,902,000	24.0	223.3			0.3			284.2	17.2	172.3	10,5
25	1,955,000	24.0		14.1	4.2	0.3			285.6	18.0	172.2	10,9
26	1,920,000		223.3	13.7	4.2	0.3	-		284.2	17.4	172.3	10.6
27		24.0	223.3	13.9	4.2	0.3			268.1	16.7	169.2	10.6
11 7.33	1,984,000	24.0	223.3	13.6	4.2	0.3			284.3	17.4	172.2	10.5
28	1,822,000	22.5	209.3	13.8	3.9	0.3			270.8	17.8	161.7	10.6
20	1,867,000	23.0	213.9	13.7	3.7	0.2			271.3	17.4	162.2	10.4
30	1,948,000	24.0	223.3	13.7	4.2	0.3			295.2	18.2	172.3	10.6
3.0	1 886 000	22.0	040.0					- 1				

TOTAL

AVERAGE

MAX

1,886,000

60,853,000

1,963,000

2,238,000

23.0

213.9

8169.9

263.5

13.6

16.1

3.7

127.2

4.1

0.2

0.3

0.0

#DIV/01

#DIV/01

285.1

8367.7

269.9

18.1

16.5

165.2

5328.8

171.9

### APPLICABLE TO ALL PLANTS

PW8 ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

03/2015

Vo))							GHENICALS A	DOED SHIP	CONT. VIEW	E CONTRACTOR	PA	GE 2	OF	11
	DISH	FECTANT	FLI	UORIDE	C	ARBON		ADJUSTMENT		MnO ₄	1	RROSION IHIBITOR		H202
DAY	LBa	PPM	LBa	PPM	LBS	PPM	LBS	Post	LBS	РРМ	1		-	1
	429.9	24.7	60.9	3.5				T T T T	15.9		LB8	РРМ	LBI	PP
2	441.3	25.9	60.9	3.6				1		0.9		+		-
3	429.9	25.3	60.9	3.6					15.9	0,9	1	+	-	+
4	423.0	25.8	60.9	3.7						0.9	+			+
5	429.9	25.4	60.9	3.6	1				15.9	1.0	+	+		+
g	442.9	27.6	60.9	3.8				1	15.9	0.9	1	-	-	-
700	429.0	25.1	60.9	3.6					15.9	1.0	1	-	1	-
8	429.0	25.8	60.9	3.6			1		15.9	0.9			-	-
8.	457.8	27.2	60.9	3.6			1		15.9	0.9				-
10	447.6	27.1	60.9	3.7					15.9	0.9	-	-		+
1	400.9	23.8	54.6	3.2				_	15.9	1.0		+	-	-
2	477.9	25.8	60.9	3,3					14.2	0.8		-	-	-
3	421.0	28.3	60.9	3.8					15.9	0.9		-		-
4	430.2	26.2	60.9	3.7			-	-	15.9	1.0	-	-		-
5	440.0	26.0	80.9	3.6		1	-	1	15.9	1.0	-			-
6	448.9	28.2	68.4	3.7		1	-		15.9	0.9	-		-	-
48	481.0	28.1	60.9	3.7					15.2	1.0	-		-	-
	463.9	29.4	60.9		-	1		1	15.9	1.0	-		-	-
	443.3	27.2	60.9	3.9			-	-	15.9	1.0		-		
	427.5	27.5		3.7				<b>+</b>	15.9	1.0		-		-
	459.8	28.1	58.4	3.8		-		-	15.2	1.0		-		-
	415.7	28,4	60.9 55.8	3.7					15.9	1.0		-		-
2/4	458.5	27.7	60.9	3.8					14.5	1.0				
	457.8	26.9	60.9	3.8					15.9	1.0	-			
8)	456.5	28.0	60.9	3.7					15.9	1,0		-		
	437.3	27.3	80.9	3.8					15.9	1.0			-	
	458.5	27.9	80.9						15.9	1.0				
	432.5	28.5	57.1	3.7					15,9	1.0				
	433.5	27.8		3.8					14.9	1.0				
	467.5	28.8	58.4	3.8					15.2	1.0				
			60.9	3.7					15.9	1.0				
500	450.3	28.6	58.4	3.7					15.2	1.0				
AL	13,696.6		1,862.7		0.0		0.0		486.0		0.0		0.0	
AGE	441.8	27.0	80.1	3.7	#DIV/0I	#DIV/0!	#DIV/0!	#DIV/0!	15.7	1,0	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0

### APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2016

1100	PER PER PER PER PER PER PER PER PER PER			1							PAG	E3_	OF	11
100000	ALL DESCRIPTION	pH		T T	OTAL	CALRESUL	TS (mg/L OF DTAL	PPM UNLES				1(00) 100	Date Non	
		TOP OF	7		ALINITY		DNESS		POF		ANT	-	TURBIDITY	(NTU)
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
	7.43	7.41	7.30	70	65	100	97	0.79	0.70	1.86	1.78	14.70	0.22	0.05
A	7.47	7.44	7.32	60	57	108	104	0.78	0.69	1.88	1.81	14.20	0.20	0.05
3	7.57	7.43	7.34	55	50	100	105	0.66	0.58	1.73	1.68	14,10	0.21	0.04
4	7.42	7.39	7.31	60	55	93	88	0.75	0.68	1.85	1.80	13.70	0.22	0.05
8.	7.52	7.36	7.26	65	59	112	110	0.63	0.57	1.81	1.75	13.60	0.24	0.04
6	7.31	7.34	7.21	68	64	82	78	0.64	0.58	1.82	1.78	22,20	0.23	0.05
7_	7.30	7.31	7.21	50	47	95	90	0.65	0.60	1.80	1.74	28.10	0.21	0.05
Ug .	7.33	7.33	7.19	58	52	90	88	0.57	0.48	1.79	1.73	27.40	0.17	0.05
9	7.31	7.29	7.18	50	45	82	78	0.58	0.51	1.78	1.72	27.40	0.26	0.05
10	7.26	7.26	7.13	50	48	92	88	0.61	0.51	1.82	1.76	31.40	0.25	0.06
11	7.26	7.27	7.11	65	62	90	85	0.66	0.54	1.82	1.75	27.40	0.48	0.07
12	7.20	7.19	7.10	48	45	93	88	0.63	0.57	1.74	1.77	25.30	0.17	0.04
13	7.14	7.19	7.07	40	37	88	82	0.65	0.54	1.78	1.72	24.70	0.18	0.05
14	7.36	7.19	7.11	44	30	86	84	0.66	0.58	1.82	1.75	20.40	0.15	0.05
15	7.19	7.20	7.18	45	40	77	70	0.57	0.48	1.78	1.73	19.40	0.13	0.04
18	7.11	7.13	7.01	45	42	78	74	0.61	0.53	1.82	1.76	17.90	0.18	0.04
77	7.10	7.14	7.06	42	36	58	63	0.66	0.55	1.85	1.78	16.20	0.19	0.04
18	7.16	7.15	7.03	45	40	70	64	0.68	0.61	1.83	1.76	17.10	0.19	0.05
18/	7.10	7.16	7.02	45	42	73	68	0.70	0.64	1.78	1.75	14.50	0.15	0.04
20	7.15	7.09	7.00	42	38	68	65	0.70	0.62	1.80	1.73	12.10	0.19	0.05
21	7.19	7.16	7.04	35	30	58	59	0.68	0.60	1.81	1.74	10.90	0.18	0.04
22	7.07	7:14	7.02	33	30	54	50	0.68	0.60	1.80	1.75	10.70	0.18	0.05
23	7.05	7.11	6.99	33	28	58	63	0.67	0.67	0.59	1.73	9.34	0.17	0.05
24	7.06	7.15	7.04	36	32	55	61	0.67	0.60	1.78	1.74	9.18	0.15	0.05
25	7.07	7.10	6.98	32	28	55	60	0.65	0.58	1.81	1.74	8.58	0.14	0.05
26	7.08	7.14	6.99	36	32	59	65	0.61	0.53	1.81	1.75	7.97	0.15	0.05
27	7.02	7.16	7.00	42	37	55	60	0.60	0.54	1.86	1.79	7.40	0.15	0.05
28	7.09	7.18	7.03	48	42	60	58	0.59	0.52	1.84	1.78	7.21	0.14	0.05
29	7.05	7.18	7.04	38	35	60	56	0.70	0.62	1.90	1.84	7.04	0.13	0.05
30	7.10	7.20	7.00	42	38	55	52	0.68	0.59	1.84	1.79	6.31	0.14	0.04
31	7.10	7.18	7.03	34	32	60	57	0.70	0.61	1.85	1.78	6.90	0.15	0.04
ERAGE	7.2	7.2	7.1	47	43	76	75	0.66	0.58	1.78	1.76	15.91	0.19	0.05

## OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

#DIV/0!

PWS ID: KY0800273

PLANT ID:

2987

AGENCY INTEREST: REPORT MONTH/YEAR:

03/2015

		COPY PAG	SE AS NEED	ED								PAGE	44	OF	11
STAIN DO	L CANY				Man Was		NALYTICAL	RESULTS (	NTU)		(1)	STOR			
	DAILY			MENTATION DAILY I	I BASIN EFI MAXIMUM	FLUENT					AL FILTER	EFFLUENT			CFE DAILY
DAY	MAUMUM	#1	82	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
	14.70		0.32	0.28						0.05	0.05	0.10	0.02		0.06
2	14.20		0.30	0.18						0.05	0.05	0.04	0.03		0.05
(37)	14.10		0.32	0.17						0.04	0.05	0.05	0.02		0.05
4	13.70		0.29	0.22						0.04	0.05	0.05	0.02		0.05
115	13.60		0.34	0.27						0.04	0.05	0.05	0.03		0.05
6	22.20		0.31	0.25						0.04	0.05	0.08	0.04		0.05
7.	28.10		0.34	0.17						0.03	0.05	0.05	0.02		0.05
l la	27.40		0.25	0.15						0.04	0.05	0.05	0.02		0.05
9	27.40		0.34	0.38						0.06	0.07	0.06	0.02		0.06
10	31.40		0.40	0.28						0.05	0.05	0.08	0.04		0.07
do	27.40		1.57	1.23						0.06	0.06	0.20	0.08		0.19
12	25.30		0.21	0.20						0.04	0.05	0.06	0.02		0.06
13	24.70		0.36	0.26						0.05	0.05	0.07	0.02		0.07
14	20.40		0.18	0.18						0.04	0.05	0.09	0.04		0.07
15	19.40		0.16	0.16						0.04	0.04	0.06	0.02	-	0.05
18	17.90		0.34	0.28						0.06	0.07	0.07	0.02		0.08
17	16.20		0.28	0.26						0.05	0.05	0.06	0.02		0.06
18	17.10		0.20	0.36						0.04	0.05	0.14	0.07		0.08
19	14.50		0.20	0.15						0.04	0.05	0.06	0.02		0.06
20	12.10		0.26	0.21						0.05	0.06	0.06	0.02		0.06
21	10.90		0.25	0.17						0.04	0.05	0.06	0.02		0.06
22	10.70		0.20	0.19						0.04	0.05	0.29	0.12		0.12
23	9.34		0.22	0.16						0.04	0.05	0.07	0.02		0.06
24	9.18		0.19	0.19						0.05	0.06	0.07	0.02		0.06
25	8.58		0.19	0.21						0.06	0.05	0.07	0.02		0.07
26	7.97		0.20	0.24						0.04	0.05	0.07	0.03		0.06
27	7.40		0.18	0.19						0.04	0.05	0.06	0.02		0.06
28	7.09		0.19	0.14						0.05	0.06	0.06	0.02		0.06
28	7.05		0.16	0.13						0.04	0.05	0.09	0.04		0.07
30	6.31		0.17	0.16						0.04	0.05	0.07	0.03		0.06
31	6.90		0.19	0.19						0.04	0.05	0.05	0.02		0.06

#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!

0.05

0.08

0.03

#DIV/01

0.07

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

### APPLICABLE TO ALL PLANTS

PWSID: PLANT ID:

KY0800273

REPORT MONTH/YEAR:

03/2015

Part Car		Mills Mills	estion belo	ANALYTICAL	RESULTS (mg	A OR FPM U	INLESS OTHE	RWISE SPECI	PAGE FIED)	5 OF	11
		JORIDE		IRON		ANGANESE			Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREE
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
	0.04	0.91	0.22	0.03	0.08	0.01			1.80	0.0	5.9
2:00	0.02	0.83	0.15	0.03	0.08	0.01			1.65	0.2	6.2
3	0.18	0.92	0.25	0.03	0.05	0.01			1.60	0.0	6.7
4	0.06	0.84	0.14	0.03	0.07	0.01			1.69	0.8	6.8
5 1	0.10	0.99	0.30	0.03	0.09	0.02			1.70	1.8	6.3
6	0.00	0.67	0.12	0.05	0.10	0.01			1.80	0.3	5.8
7	0.00	0.88	0.27	0.03	0.12	0.01			1.75	0.0	6.0
8	0.00	0.84	0.29	0.03	0.11	0.01			1.70	0.0	6.2
9	0.00	0.76	0.25	0.03	0.11	0.01			1.70	0.0	6.6
40	0.00	0.84	0.32	0.03	0.12	0.01			1.75	0.0	6.8
11	0.00	0.93	0.40	0.03	0.11	0.01			1.75	1.0	6.9
12	0.00	0.88	0.15	0.03	0.10	0.01			1.80	0.0	6.9
13	0.00	0.82	0.02	0.03	0.11	0.01			1.64	0.0	7.3
14	0.00	0.80	0.27	0.03	0.09	0.02			1.75	0.6	8.7
15	0.00	0.24	0.10	0.03	0.08	0.01			1.70	0.4	7.9
16	0.00	0.83	0.07	0.05	0.07	0.01			1.75	0.0	8.5
17	0.01	0.97	0.06	0.03	0.07	0.01			1.75	0.0	8.4
18	0.00	0.78	0.27	0.03	0.06	0.01			1.75	0.0	8.5
19	0.04	0.89	0.07	0.03	0.07	0.01			1.75	0.0	8.5
20	0.13	0.91	0.17	0.03	0.07	0.01			1.65	0.4	8.3
21	0.01	0.86	0.17	0.03	0.12	0.02			1.70	0.1	9.6
22	0.17	0.91	0.00	0.03	0.05	0.01			1.50	0.0	8.7
23	0.24	0.97	0.05	0.03	0.05	0.01			1.75	0.0	8.9
24	0.17	1.02	0.03	0.03	0.05	0.01			1.65	0.0	8.8
25	0.14	0.80	0.21	0.03	0.02	0.01			1.75	0.1	9.1
26	0.17	0.89	0.09	0.03	0.04	0.01			1.65	0.0	9.8
27	0.15	0.91	0.03	0.03	0.04	0.01			1.70	0.6	
28	0.09	0.81	0.09	0.03	0.02	0.01			1.55	0.0	10.9
29	0.06	0.80	0.11	0.03	0.04	0.01			1.70		10.2
30	0.14	0.96	0.12	0.03	0.04	0.01			1.70	0.0	9.8
31	0.02	1.01	0.14	0.03	0.06	0.01			81	0.0	9.7
RAGE	0.06	0.85	0.16	0.03	0.07	0.01	#DIV/0!	#DIV/0!	1.70 Monthly Minimum	0.0 Fotal Rainfall	8.0
									1.50		
								f readings orine, # less	31	6.32	

For Free Chlorine, # less than 0.2 mg/L

For Chloramines, # less than 0.5 mg/L

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID :__ KY0800273 PLANT ID: ___A REPORT MONTH/YEAR: 03/2015

	BANKAL DESIGNA		11000 275 (7)	AND SHORT OF SHORE	S TO VICTOR	FILTER OF	ERADON	PAC	SE 8	OF	1
	TOTAL WASH WATER	No:	3	No:	4	No:	5	No:	- Charles Street	No:	
	MASH MATER	AREA (equare feet) WASHWATER	FILT RUN	AREA (square feet		AREA (square feet	0 160	AREA (square feet		AREA (square feet)	
DAY	GALLONS	GALLONS	HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN	WASHWATER GALLONS	FILT RUN HRS	WASHWATER	FIL
1	0						1,015	GALLONS	nas	GALLON8	+
2	30,000					15,000	95.10	45,000	0.00		+
3	0					13,000	95.10	15,000	95.10		+
4	28,000	14,000	87.60	14,000	87.60				-		-
5	0		07.00	14,000	67.00				-		-
6	28,000					11000					-
7	0					14,000	92.20	14,000	92.20		-
8	28,000	14,000	102.60	44.000	100.00		-				-
9	0	14,000	102.00	14,000	102.60		-				_
10	34,000										
11	0					17,000	93.96	17,000	93.60		
12	0										
15	30,000	15,000	87.80	15,000	87.90						
14	33,000					17,000	104.30	16,000	104.30		
15	0										
16	24,000	12,000	83.50	12,000	83.50						
17	0										
18	34,000					17,000	90.20	17,000	90.20		
19	0										
20)	29,000	15,000	87.20	14,000	87.20						
21	0										
22	34,000					17,000	81.70	17,000	81.80		
23	0						31110	17,000	01.00		
24	30,000	15,000	84.30	15,000	84.30						
26	0										
26	36,000					18,000	92.40	18.000	00.40		
27	0					10,000	02.4U	18,000	92.40		
28	30,000	15,000	95.20	15,000	95.20						-
29	39,000			.0,000	30.20	20.000	00.50		5255253		
10	0					20,000	85.70	19,000	84.60		
11	0										
TAL	467,000	100,000	628.20	99,000	628.30	125.000	705.50				
RAGE	15,065		89.743			135,000	735.58		734.20	0	0.00
		(4,200		14,143 DPY AS NEED	89.757	16,875	91.945	16,625	91.775	#DIV/01	#DIV/

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

### ALL WATTER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2015

	CH	EMICALS ADDED		THE OWN AND	WALL STATE	OUTE HUT	ON SYSTEM OFFRA	PAG	E 7	OF	1
	CHLORINE	CHLORIN					TES	TRESULTS			
AY:	BOOSTER	BOOSTE			овтн	101	OUTH	F) CHLORINE RESIDUA	AL (ppm)		WEST
VAC 1	LBS	1.85	E .	T	F	1	F	T	F	7	WEST
			100	1.66	1.64	1,24	1.21	1,65	1.61	1.71	1.0
2			200	1.55	1.51	0.60	0.51	1.31	1.25	0.99	0.1
		-	180040	1.30	1.24	0.64	0.58	1.58	1.52	1.30	1.3
0.0		-		1.47	1.48	1.85	1.57	1.31	1.25	1.73	1.5
			1000	1.52	1.48	1.26	1.19	1.40	1.31	1.34	
		-	2220	1,28	1,17	0.70	0.64	1.53	1.47		1.3
			1000	1.64	1.59	1.49	1.38	1.61	1.57	1.52	1.4
				1.40	1.33	0.25	0.22	1.05	0.97	1.63	1.5
				1,49	1.43	0.60	0.49		-	1.51	1.4
				1.58	1.48	0.96		1.23	1.12	1.56	1.4
8				0.66	0.58	1.20	0.96	1.34	1,34	1.48	1.3
				1.39	1.28		1,19	1.35	1.30	1,44	1.3
i			L. Se	1.45		1.57	1.48	1.55	1.38	1.65	1.5
			No. of	1.70	1.39	1.03	0.95	1.44	1.37	1.18	1.1
ı				1.49	1.61	1.41	1.37	1.55	1.48	1.46	1.3
ı					1.36	1.03	0.99	1,48	1.35	1.51	1.4
Ĭ			100 m	1.44	1.38	0.95	0.86	1.49	1,41	1.53	1.4
ı				1.39	1.32	1.02	0.90	1.34	1.30	1.16	1.0
t			15810	1.51	1,47	1.24	1.16	1.34	1.26	1.46	1.3
t				1.55	1.51	1.42	1,37	1.40	1.35	1.63	1.5
t			NOT WATER	1.37	1.33	1.21	1.13	1.57	1.41	1.15	1.10
H	7		ATT SAF	1.61	1,52	1,45	1.40	1.65	1.56	1.65	1.5
┢			THE REAL PROPERTY.	1.49	1.43	1.69	1.64	1.62	1.50	1.59	1.5
H			1000	1.54	1.50	1.20	1.10	1.59	1.44	1.22	1.16
H				1,54	1,44	1.55	1.54	1,50	1.41	1.59	1.57
H			OCT OF	1.34	1.26	1.54	1.42	1.37	1.26	1.51	1.48
H				1.41	1.35	1.46	1.34	1.08	0.99	1.29	1.26
_				1.63	1.53	1.39	1.34	1.50	1.42	1.41	
H			3 (3 - 11	1.55	1.47	1.48	1.39	1.54	1.47		1.29
_			SERVE	1.62	1.53	1.53	1.41	1.52	1.44	1.56	1.51
_				1.30	1.26	1.13	1.09	1,38	1.31	1.68	1.56
_			1000	1.50	1.42	1.55	1.49	1.40	1.29	1.22	1.17
	#DIV/0I	#DIV/01	Average	1.46	1.39	1.21	1.14	1.44		1.49	1,45
	0.0	0.0	Total Minimum	0.66		0.25	1.17		1.36	1.46	1.38
			Free Minimum		0.58		0.22	1.05	0.97	0.99	
	1	Total # Chlorine	lamples	31	31	31	31	31	0.3/		0.87

Number of Total Residuals 124

Total # Less than 0.2 mg/L 0

Total # Less than 0.6 mg/L

124 Residual 0.22 Minimum Monthly Total Residual 0.25

Disinfectant Chloramines? (Y/N)
Number of days of operation?

N 30

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS Na DAY	MRBIDITY  APPLICA  me:  Hours Flant Operated  24.0  24.0  24.0  24.0  24.0  24.0  24.0  24.0  24.0	BLE TO ALL P	0.05 0.05 0.05 0.05 0.05		Report Period  8 am - Noon  0.05  0.05	Noon - 4 pm 0.05		A 2015	PAGE 8 OF 1
DAY	Me: Hours Flant Operated 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0	Martines Regulard 6 6 6 6 6 6 6	0.05 0.05 0.05 0.05 0.05	0.05 0.05 0.05	0.05 0.05	Noon - 4 pm 0.05	4 pm - 8 pm	7.505.00	8 OF _1
DAY	24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0	Surples Regularit 6 6 6 6 6	0.05 0.05 0.05 0.05 0.05	0.05 0.05 0.05 0.05	0.05 0.05	0.05		6 pm - Mid	Dally
3 4 6 5	24.0 24.0 24.0 24.0 24.0 24.0 24.0	6 6 6 6	0.05 0.05 0.05 0.05	0.05 0.05 0.05	0.05 0.05	0.05		6 pm - Mid	
3 4 6 5	24.0 24.0 24.0 24.0 24.0 24.0	6 6 6 6	0.05 0.05 0.05	0.05 0.05	0.05		0.08		
3 4 6	24.0 24.0 24.0 24.0 24.0	6 6 6	0.05 0.05	0.05	7.000		0.00	0.05	0.058
6.	24.0 24.0 24.0 24.0	6	0.05			0.04	0.05	0.04	0.053
6	24.0 24.0 24.0	6		0.05	0.04	0.05	0.05	0.05	0.049
(B)	24.0 24.0		0.05		0.05	0.05	0.05	0.05	0.051
ALC: N	24.0	0		0.05	0.05	0.05	0.05	0.05	0.052
			0.05	0.05	0.05	0.05	0.05	0.05	0.050
37	24.U	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
(b)	24.0	6	0.05	0.04	0.05	0.05	0.05	0.05	0.049
-		6	0.05	0.05	0.05	0.05	0.05	0.06	0.057
10	24.0	6	0.06	0.06	0.06	0.06	0.07	0.06	0.066
11		6	0.06	0.07	0.06	0.05	0.19	0.06	0.192
12	24.0	6	0.06	0.05	0.05	0.05	0.05	0.05	0.060
13	24.0	6	0.05	0.05	0.05	0.06	0.07	0.06	0.069
14:	24.0	6	0.06	0.06	0.06	0.05	0.05	0.07	0.065
16	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
18	23.0	6	0.05	0.05	0.05	0.05	0.06	0.08	0.033
17	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.077
18	24.0	6	0.06	0.08	0.06	0.06	0.08	0.06	0.082
19	24.0	6	0.06	0.06	0.07	0.06	0.06	0.06	0.062
20	23.0	6	0.06	0.06	0.06	0.06	0.06	0.06	
10	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.064
2	22.0	6	0.06	0.12	0.06	0.06	0.06	0.06	0.058
3	24.0	6	0.06	0.06	0.06	0.06	0.06		0.119
43	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.059
6	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
0	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.066
7	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.059
8/1/	22.5	6	0.06	0.06	0.06	0.06		0.06	0.058
2.0	23.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.062
0	24.0	6	0.06	0.06	0.06	0.05		0.07	0.067
15	23.0	6	0.06	0.05	0.06	0.05	0.05	0.06	0.059
tal	734.0	186					0.05	0.06	0.056
E YOU U	SING EITHER	CONVENTIONAL	or DIRECT FILTE	RATION? (Y/N)	Y	# OF TURBIDITY SA	MPLES TAKEN -	186	0.192
Type of file	ration besides slow Samples exce	( sand)							
			0.1 NTU	2	0.3 NTU	0	1 NTU	0	
FOR STE	ow sand filtral	tion, the number	of samples excee	ding>	1 NTU_		6 NTU		
to the ne	Number of T at whole number	urbidity Sample	s Required" is the	number of hours	the plant operate	ed divided by 4 rou	unded		
	200								
niny tua	t the above to	urbidity reading	s were taken eve	ary 4 hours durin	g plant operation	n and in the time	frames noted	above.	
			r of Authorized Age		TO STORY AND STORY	0.	4-06-20	215	

Date

and the second control of the second second second in the second of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second

		EXCEEDANCE REI	PORT		
PWS Name:	M	lartin County Water Di	strict		
PWS ID:	KY0	800273			
PLANT ID:		A	•		
Report Period (MM/Y)	Υη:	03/:	2015	_	
If any filter exceed (also listed on the the appropriate i	ie Summary Shee	he individual filter et ), complete the f	turbidity triggers ollowing and sub	below, mit	BACE A OF
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	PAGE 9 OF 1
-				(Wascillor Exceedance (Hanown)	State was Contacted
		1			

APPLICABLE TO ALL SURFACE WATER PLANTS WITH FILTRATION

- ater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart. B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, If no obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a fliter self-assessment within 14 days of the exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY) 03/20	115
		NOTE: COMPL	ETE AL	L APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS	
Support Supply of	EUN E MENUNE (III E MON			POPULATED FOR YOU!!!	AINE PINES
		APPI	CARLE	FORMATION TO ALL PLANTS	No bear All
PLANT ID A				OTAL MATER TREATER / " .	
PLANT NAME	Martin County W	ater District		VE. DAILY PRODUCTION (gallons) 60,853,000 1,963,000	
AGENCY INTERE	EST <b>2987</b>		M	AXIMUM PUMPAGE (gallons per day) 2,238,000	
				2,200,000	
17000000000000000000000000000000000000		APPLICABLE TO	FILTER	EFFLUENT TURBIDITY LANTS WITH FILTRATION	
ANALYTE CODE	0100	THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF TH	O ALL P	LANTS WITH FILTRATION	
	onitored continuously? (Y/	MA			
Were measureme	nts recorded every 15 mir	utes? (Y/N)			Y
Was there a failure	e of the continuous monito	ring equipment?	Y/N)		Y
If Yes, (1) wer	re Individual filter effluent i	urbidity grab same	oles colle	cted every four hours of operation? (Y/N)	N
(2) was	s the continuousiy monitor	ing equipment repa	aired with	in 5 working days? (V/N)	
A A da III I I I I I I I I I I I I I I I I	r level greater than 1.0 N	TU in two consecut	tive mea	Surements? (V/N)	
As individual tilte	or level greater than 0.5 N°	TU in two consecut	tive mea	Ruraments after on line for more than four hands	N
Tras marriada me	n iovoi dioaret furu I'O M	U IN IWO CONSACUI	ive mee	RUPPMents in three consequitive marks 0 0/415	N
TTOO INDIVIDUAL HILE	i level greater than 2.0 M	U in two consecut	live mea	SUraments in two consecutive months? (VAI)	N
II any of the last 4	boxes are YES, fill out	the Individual Fil	ter Turb	idity Sheet and submit with the MOR	
COMB	INED FILTER EFFLUENT	TURRIDITY	A SHOULD SE	ENTRY POINT RESIDUAL DISINFECTANT CONGENTR	ATECANI
APPLICAL	BLE TO ALL PLANTS W	TH FILTRATION		APPLICABLE TO ALL PLANTS	ATION
ANALYTE CODE	0100			ANALYTE CODE 0999	
Number of hours of			734.0	Number of days of plant operation	
Were samples take	on every 4 hours of plant o	peration? (Y/N)	Y	Were samples taken each day of operation? (Y/N)	31
Number of samples			186	Number of lowest chlorine samples recorded	Y 31
Highest single turbi	dity reading		0.19	Lowest single chlorine reading	1.50
Mumber of second	ept slow sand filtration:			If less than required:	
Number of same	ples exceeded 0.1 NTU ples exceeded 0.3 NTU		2	Was residual restored within 4 hours of plant operation? (Y/N)	(C)
Number of same	ples exceeded 1 NTU	******************	0	Free Chlorine (for all disintectants except chloromine):	_
When filtration is slo			0	Number of samples under 0.2 mg/L	0
Number of samp	ples exceeded 1 NTU			Total Chlorine (when disinfectant is Chloramine); Number of samples under 0.5 mg/L	
Number of samp	oles exceeded 5 NTU			runtion of samples under 0.5 mg/L	
CHLORINE	DIOXIDE ENTRY POINT	MONETORINO			
APPLICABLE T	O PLANTS UTILIZING C	HLORINE DIOXID	E	CHLORITE ENTRY POINT MONITORING  APPLICABLE TO PLANTS UTILIZING CHLORINE DIOX	140
ANALYTE CODE	1008				IDE
Number of days of p	lant operation		31	ANALYTE CODE 1009 Number of days of plant operation	
Were samples taker	n each day of operation?	Y/N)		Were samples taken each day of operation? (Y/N)	31
Number of samples	taken	********	0	Number of samples taken	
Highest single chlori	ne dioxide reading		0.00	Highest single chlorite reading	0.00
Number of chlorine o	dioxide samples exceeded	0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L	0.00
Certify under penelty of le	nu that I have necessarily			10000	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

04-06-2015

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS IDKY0800273	3	MONITORING PERIOD	(MMYYYY) 03/2015
AI2987	NOTE: COMPLETE	ALL APPLICABLE FIELDS!!! NOT . POPULATED FOR YOU!	ALL OF THE FIFI DS ARE DR
PURCH	ASED	Natification of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	
	APPLICABLE TO	ALL WATER SYSTEMS	DLD ATTIN 各位各种产品中的共和
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	UOM MUOUS 4
WV3303003	0	( VIII ( VVS ID)	HOW MUCH? (gallons)
KY0980575	173,000		
	DISTRIBUTION RESIDUAL DIS	SINFECTANT CONCENTRATION	William Managara Managara
	APPLICABLE TO A	LL WATER SYSTEMS	
umber of samples taken:  FREE	30 tion? (Y/N) Y	Free Chlorine (for all disinfectants exc Number of samples under 0.2 mg/ Total Chlorine (when disinfectant is ch	loramine)
TOTAL	124 124 0.22 0.25	Number of samples under 0.5 mg/	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

04-06-2015



Indicate one X SURFACE WATER

### KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT! DEP Form 4012Re	H & YEAR (mm/yyyy) 04/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273 PLANT IC	: A PLANT NAME:	Martin County Water District
PWS NAME:	Martin County Water District	PLANT CLASS:	
AGENCY INTEREST (AI):	2987	DATE MAILED:	05-05-2015
SOURCE NAME:	Crum Reservoir	COUNTY:	Martin
	Tug Fork	-	(—————————————————————————————————————
	OPERATOR(S) RESPONSIBLE / IN-CHARG	E CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	1V-A	17562
WTP SHIFT 2:	Michael Sartin	1V-A	21944
WTP SHIFT 3:	Timothy D Reed	1V-A	24590
DISTRIBUTION:	CHANGE OF THE STATE		
THIS REP	ORT MUST BE RECEIVED BY THE DIVI	SION OF WATER AN	D APPLICABLE FIELD OFFICE
	NO LATER THAN 10 DAYS A	TER THE END OF T	HE MONTH.
TREATMENT PLANTS	COMPLETE:		
1. DESIGN CAPACITY (gpm):		1,667	
2. TYPE OF FILTRATION USE	Du Du	al Media	
3. DESIGN FILTRATION RATE	E (gpm/sq. ft.):	2.66	
4. PERCENT BACKWASH WA	TER USED;	1.0	
5. DATE FLOCCULATION BA	SIN(S) LAST CLEANED: #2 - 3/18/	10 #3 - 9/2/ 09	~ *
8. DATE SETTLING BASIN(S)	LAST CLEANED:		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 05-04-2015 DATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT



APPLICABLE TO ALL PLANTS

 PWS ID :
 KY0800273

 PLANT ID:
 A

REPORT MONTH/YEAR: 04/2015
PAGE 1 OF

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	RAW WATER	HOURS PLANT	COAGL		COAG		pH ADJU	STMENT	DISINFE	CTANT	DISINFE	CTANT
	TREATED	OPERATED					P		LBS	e PPM	LBS	st PPM
DAY	GALLONS		LBS	PPM	LBS	PPM	LB9	РРМ				
4	1,877,000	23.0	213.9	13.7	4.0	0.3			277,7	17.7	165,2	10.6
2	1,833,000	22.5	209.3	13.7	3.9	0,3			263.0	17.2	161.1	10.5
3	1,251,000	15.5	144.2	13.8	2.7	0.3			177.7	17.0	118.3	11.3
4	1,911,000	24.0	280.1	17.6	4.2	0.3			297,8	18.7	174.7	11.0
5	1,892,000	24.0	338.6	21,5	4.2	0.3			308,6	19.6	172.3	10.9
6	1,900,000	24.0	338.7	21.4	4.2	0.3			330.7	20.9	194.3	12,3
7	1,867,000	23.0	324.5	20.8	4.0	0.3			300.0	19.3	170,5	10.9
8	1,856,000	23.5	331.6	21.4	4.1	0.3			388,0	25.1	169.2	10.9
0	1,969,000	24.0	338.7	20.6	4.2	0.3			368.8	22.5	178.2	10.9
121	1,904,000	24.0	321.5	20.2	4.2	0.3			335.6	21.1	169.2	10.7
10					4.2	0.3			413.3	25.6	178.3	11.0
11	1,938,000	24.0	292.9	18.1					418.0	25.9	169.2	10.5
(12)	1,934,000	24.0	292.9	18,2	4.2	0.3					173.2	11.8
13	1,758,000	22.0	268.4	18.3	3.9	0,3	-		399.7	27.3		
14	1,883,000	24.0	292.9	18.7	4.2	0.3			388.9	24,8	183.2	11.7
15 4	1,791,000	22.0	268.4	18.0	3.9	0.3			356.0	23.8	162.9	10.9
1.8	1,772,000	22.0	268,4	18.2	3.9	0.3			367,3	24.9	155.1	10.5
17	1,798,000	23.5	286.7	19.1	4.1	0.3			400.7	26,7	166.7	11,1
18	1,916,000	24.0	292.9	18.3	4.2	0.3			424.5	26.6	178.5	11.2
	1,860,000	23.0	280.6	18.1	4.0	0.3			371.7	24.0	169.2	10.9
20	1,870,000	24.0	292.9	18.8	4.2	0.3			415.2	26.6	169.2	10.8
21	1,738,000	22.0	268.4	18.5	3.9	0.3			375.4	25,9	155.1	10.7
22	1,867,000	24.0	292.9	18.8	4.2	0.3			419.6	26.9	165.5	10.6
23	1,820,000	23.0	280.6	18.5	4.0	0.3			411.7	27.1	153.2	10.1
24	1,895,000	24.0	292.9	18.5	4.2	0.3			428.1	27.1	159.8	10.1
26	1,782,000	23,0	280.6	18.9	4.0	0.3			398.9	26.8	161.4	10.9
26	1,891,000	24.0	270.8	17.2	4.2	0.3			411.6	26.1	161.5	10.2
77	1,727,000	22.0	236.0	16.4	3.9	0.3	11.		392.9	27.3	159.8	11.1
20	1,934,000	24.0	257.4	16.0	4.2	0.3			428.1	26.5	178.8	11.1
28 29 30	1,792,000	23.0	246.8	16.5	4.0	0.3			409.3	27.4	155.7	10.4
40	1,906,000	24.0	257.4	16.2	4.2	0.3			416.4	26.2	165_7	10.4
31	1,000,000	24.0	201.1	,5,2								
TOTAL	55,132,000	F	8361.8		121.3		0.0		11095.2		4995.0	
AVERAGE	1,837,733		278.7	18.1	4.0	0.3	#DIV/0I	#DIV/01	369.8	24.1	166.5	10.9

1,969,000

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS
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35,0

536.3

58.6

3.B

83.8

KY0800273 PWS ID: PLANT ID: Α

REPORT MONTH/YEAR: 04/2015

PAGE OF CHEMICAL ADDED H202 CORROSION CARBON PH ADJUSTMENT KMnQ₄ DISINFECTANT FLUORIDE INHIBITOR LØ8 PPM PPM LBS PPM LB9 РРМ LBS PPM LBS PPM LBS 1.0 43 58.4 15.2 442.9 28.3 3.7 12 1.0 14.9 424.1 27.7 57.1 3.7 1.0 10.2 296.0 28.4 39.3 3.8 29.6 60.9 15.9 1.0 472.5 3.8 15.9 1.0 480.9 30.5 60.9 3.9 15.9 1.0 525.0 33.1 60.9 3.8 7 8 14.9 1.0 470.5 30.2 58.4 3.8 3.6 25.4 1.6 557.2 36,0 59.6 3.9 63.5 4.1 55.4 9 55.4 3.4 25,4 1.5 60.9 3.7 63.5 3.9 547.0 33.3 10 6.0 102.3 6.4 25.4 1.6 60.9 95.2 31.8 3.8 504.8 1.6 95.2 5.9 102.3 6.3 25.4 11 591.6 36.6 60,9 3.8 1.6 102.3 6.3 25.4 587.2 36.4 60.9 3.8 95,2 5.9 12. 13 6.0 93.7 6.4 23.3 1.6 572.9 39.1 55.8 3.8 88.0 14 25.4 1,6 3.9 95.2 6.1 102.3 6.5 572.1 36.4 60.9 15 23.3 1.6 6.3 518,9 34.7 55.8 3,7 0.88 5.9 93.7 16 23.3 1.6 6.3 522.4 35.3 55.8 3.8 88.0 6.0 93.7 17 94.0 6,3 100.1 6.7 24.9 1.7 567.4 37.8 59,6 4.0 18 6.4 25.4 1.6 6.0 102.3 603.0 37.7 60.9 3.8 95.2 1.6 24,4 97.9 6.3 540.9 34.9 58.4 3.6 92.0 5.9 20 --1.6 102.3 6.6 25.4 584.4 37.5 60.9 3.9 36.0 2.3 24 530.5 36.6 55.6 3.8 93,7 6.5 23.3 1.6 1.6 102.3 6.6 25.4 37.6 60.9 3.9 22 585.1 23 37.2 58.4 3.8 97.9 6.4 24.4 1.6 564.9 25.4 1.6 102.3 247 60.9 3.9 587.9 37.2 25 6.6 24.4 1.0 97.9 58.4 3.9 560.3 37.7 26 25.4 1.6 573.1 36,3 60.9 3.9 102.3 6.5 6.5 23.3 1.6 3.9 93.7 552.7 38.4 55.8 28 57,5 3.6 25.4 1.6 606.9 37.6 60.9 3.8 29 30 1.6 3.9 24.4 585.0 58.4 37,8 3.0 1.6 25.4 46.9 582.1 36.6 60.9 3.8 0.0 672.1 0.0 1,998.1 1,758.5 1,089.0 TOTAL 16,090.2 5.9 22,4 1,5 #DIV/0I #DIV/01 #DIV/01 #D1V/01 5.4 90.8

APPLICABLE TO ALL PLANTS

PWS ID : ___ PLANT ID: ___

KY0800273 A

REPORT MONTH/YEAR:

04/2015

PAGE

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11

<b>建</b> 原数数		100			ANALYTIC	AL RESULTS		PM UNLESS	OTHERWIS	E SPECIFIÉD RESIDUAL	1	ne sev	TURBIDITY (	NTU)
		рН			LINITY	HARD		TOP FIL1	OF	PLA			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
14	7.11	7.19	7.03	38	40	60	65	0.65	0.57	1.82	1,77	6.92	0.14	0.04
2	7,12	7.19	7,01	38	35	58	53	0.71	0.61	1.87	1.81	6.19	0.15	0,05
3	7.14	7.20	7.02	38	35	70	73	0.64	0.54	1,85	1.81	6.11	0.19	0.06
4	7.31	7.19	7.03	33	35	64	66	0.64	0.56	1.82	1.76	29.00	0.28	0.07
6	7.08	7.12	6.93	36	45	72	64	0.48	0.41	1.77	1.71	62.80	0.19	0.06
6	7.13	7,09	6.90	38	34	58	55	0.53	0.44	1.78	1.73	50.80	0.16	0.06
	7.10	7.05	6.86	38	34	60	64	0.71	0.62	1.82	1,77	46.40	0.16	0.06
3 -	7.01	7.07	7.01	30	35	58	53	0.71	0.59	1.80	1.73	37.80	0.19	0.06
9	7.04	7.03	7.08	30	34	55	52	0,66	0.54	1.87	1.80	38.60	0.15	0.05
-10	7.11	7.05	7.13	34	36	55	50	0.60	0.51	1,84	1.78	39.70	0.16	0.05
11)	7.05	7.02	7.01	32	30	52	50	0.65	0.57	1,93	1.85	38.30	0.12	0.05
12	7.01	6.98	7.02	26	28	68	76	0.63	0.54	1.85	1.76	38.60	0.13	0.06
l de	6.97	7.00	7.02	26	24	55	50	0.61	0.52	1.86	1.80	36.20	0.14	0.06
14	7.04	7.01	7.08	28	25	47	53	0.75	0.65	1.81	1.74	34.00	0.16	0.05
45	7.04	6.98	7.01	26	22	51	45	0.75	0.64	1.84	1.77	33.40	0.19	0.06
16	6.99	6.95	7.03	25	22	55	50	0.67	0.57	1.83	1.77	36.80	0.18	0.07
47/	6.94	6.93	7.07	25	28	50	53	0.61	0.52	1.88	1.79	35.20	0.17	0.06
1,8	7.01	6.92	7.04	28	29	47	46	0.73	0.63	1.89	1.80	33.40	0.15	0.05
(9	7.04	6.92	6.98	28	25	46	43	0.73	0.65	1.82	1.73	31.70	0.12	0.05
20	6.81	6.93	6.92	28	25	40	38	0.78	0.70	1.82	1.75	28.30	0.16	0.05
247	6.91	6.94	7.05	29	25	53	48	0.74	0.63	1.84	1.79	28.30	0.16	0.05
22)	6.95	6.96	7.09	28	25	55	52	0,80	0.71	1.82	1.77	26.50	0.14	0.05
23	6.89	6.97	7.07	28	25	50	48	0.80	0.70	1.81	1.74	24.90	0.14	0.05
241	6.89	6.93	6.91	25	24	54	58	0,78	0.71	1.82	1.75	22.30	0.14	0.05
26	6.95	7.00	7.10	28	26	54	55	0.80	0.70	1.86	1.80	21.50	0.15	0.05
28	6.96	6.98	7.14	28	25	55	52	0.82	0.72	1.86	1.81	19.60	0.16	0.05
27	6.92	6.93	7.05	28	25	56	54	0.85	0.74	1.84	1.77	19.20	0.18	0.06
28 29 30	6.88	6.90	6.87	28	25	55	51	0.70	0.61	1.81	1.75	17.80	0.17	0.06
29	6.88	6.93	6.77	28	23	55	52	0.72	0.64	1.83	1.76	16.30	0.15	0.06
30	6.83	6.97	6.89	28	26	58	55	0.75	0.64	1.84	1.76	15.30	0.17	0.06
31														
AVERAGE		7.0	7.0	30	29	56	54	0.70	0.61	1.84	1.77	29.40	0.16	0.06

## OPTIONAL INFORMATION—Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

PLANT ID: A
AGENCY INTEREST: 2987
REPORT MONTH/YEAR:

2987

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

04/2015

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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		0 Black				, AN	ALYTICAL P	iesults (N	កមាននេះ		1.0				
	RAW		SEDIM		BASIN EFFL	.UENT					L FILTER E ILY MAXIMI				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	#3	AXIMUM #4	#5	#8	#1	#2	#3	#4	#5	#6	#7	MAXIMU
ri.	6.92	***************************************	0.20	0.14						0.05	0.06	0.05	0.02		0.06
2	6.19		0.16	0.20						0.04	0.05	0.06	0.02		0.06
33.00	6.11		0.26	0.32						0.05	0.05	0.22	0.08		0.14
	29.00		0.51	0.66						0.05	0.05	0.23	0.04		0.12
ь	62.80		0.19	0.27						0.04	0.05	0.14	0.05		0.09
6	50.80		0.20	0.21						0.05	0.07	0.09	0.06		0.08
	46.40		0.18	0.26						0.04	0,05	0.10	0.02		0.09
8	37.80		0.21	0.32						0.06	0.06	0.11	0.05		0.09
9	38.60		0.16	0.20						0.04	0.05	0.10	0.03		0.06
10	39.70		0.18	0.22						0.05	0.06	0.06	0.03		0.06
911	38.30		0.13	0.18						0.04	0.05	0.06	0.02		0.06
12	38.60		0.10	0.30						0.04	0.05	0.18	0.13		0.11
13	36.20		0.16	0.17						0.04	0.05	0.07	0.03		0.07
14	3.00		0.21	0.22						0.05	0.07	0.08	0.02		0.07
15	33.40		0.39	0.48						0.05	0.05	0.24	0.10		0.25
16-	36.80		0.21	0.43						0.07	0.07	0.17	0.05		0.08
17	35.20		0.22	0.35						0.09	0.10	0.14	0.06		0.12
118	33.40		0.16	0.34						0.08	0.09	0.16	0.07		0.12
19	31.70		0.12	0.19						0.04	0.04	0.06	0.02		0.07
20	28.30		0.16	0.30						0.04	0.04	0.09	0.04		0.07
21	28.30		0.25	0.20						0.04	0.04	0.06	0.02		0.06
22	26.50		0.23	0.14						0.05	0.06	0.10	0.02		0.06
20	24.90		0.13	0.25						0.04	0.05	0.15	0.09		0.10
24	22.30		0.18	0.18						0,04	0.04	0.07	0.03		0.06
25	21.50		0,17	0.18						0.04	0.05	0.06	0.02		0.06
25	19.60		0.30	0.22						0.09	0.10	0.07	0.02		0.07
27	19.20		0.20	0.32						0.04	0.05	0.11	0.05		0.08
28	17.80		0.17	0.25						0.04	0.05	0.10	0.03	len s	0.07
29 30	16.30		0.20	0.20						0.04	0.05	0.07	0.02		0.07
30	15.30		0.25	0.20						0.09	0.11	0.08	0.02		0.07
31	8														
VERAG	€ 28.4	#DIV/0!	0.2	0	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.05	0.06	0.11	0.04	#DIV/0!	0.09

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

04/2015

*Please answer Y/N question below this chart.

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		ORIDE		ON		NGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	<b>新教教</b> 的	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	ТАР	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL		INCHES	Fº/Cº
1	0.18	0.97	0.06	0.03	0.05	0.01			1.55		0.0	10.7
2	0.18	1.13	0.11	0.03	0.02	0.01			1.75	· · · · · · · · · · · · · · · · · · ·	0,0	10.6
3	0.09	1.07	0.05	0.04	0.04	0.01			1.54	156	0.7	10.9
4	0.12	0.91	0.12	0.04	0.05	0.01			1.50	基金	1.9	11.6
5	0.00	0.97	0.42	0.03	0.18	0.01			1.70	数ない	0,0	11.0
8	0.00	1.04	0.45	0.03	0.17	0.01			1.55	は高い地震が	0.0	10.5
7.7	0.00	0.87	0.43	0.03	0.19	0.01			1.65	3.11	0.0	11.2
8	0.00	1.11	0.49	0.03	0.17	0.02			1.80		0.5	11.0
9	0.00	0.98	0.39	0.06	0.18	0.01			1.70	Ž	0.8	11.5
10	0.00	1.15	0.30	0.04	0.14	0.01		RETURNATE I	1.54	200	0.0	12.2
11	0.00	0,99	0.46	0.03	0.15	0.01			1.70	1 March	0.7	12.4
12	0.00	1.33	0.68	0.03	0.14	0.01			1.65		0.0	11.5
13	0.00	1.07	0.38	0.03	0.13	0.01			1.65	13 S.E.	0.0	11.4
14	0.00	0.94	0.45	0.03	0.12	0.01			1.65	10.00	0.5	11.9
-15	0.00	1.12	0.41	0.08	0.13	0.01			1.70	N.	1.0	12.1
16	0.00	1.01	0.36	0.03	0.14	0.01			1.75	200	0.1	11.6
47	0.00	1.28	0.37	0.03	0.12	0.01			1,69	獻	0.2	11.9
18	0.00	0.92	0.49	0.06	0.15	0.01			1.75	100	0.0	13.0
19	0.00	0.94	0,18	0.03	0,13	0.01			1.65	2	0.0	13.3
20	0.00	0.98	0.30	0.03	0.01	0.01			1.70	<b>海</b>	0.3	12.8
21	0.00	1.04	0.34	0.04	0.12	0.01			1.75	1	0.1	12.4
22	0.00	0.99	0.25	0.03	0.10	0.01			1,75	\$635	0.0	12.7
23.	0.00	0.92	0.24	0.03	0.11	0.01			1,75	<b>新新疆</b>	0.1	12.6
24	0.00	0.92	0.36	0.03	0.10	.0.01			1.65	<b>克克</b>	0.0	12.6
26	0.00	1.04	0.25	0.04	0.10	0.01			1.75	100	0.1	12.7
26	0.00	1.22	0,19	0.03	0.09	0.01			1.75		0.3	12.9
27	0.00	0.95	0.22	0.03	0.09	0.01			1.75	100	0.0	13.0
28	0.00	1.02	0.25	0.03	0.01	0.01			1.75	1	0.0	13.1
29	0.00	1.17	0.22	0.03	0.09	0.01			1.70		0.0	13.6
30	0.00	1.28	0.22	0.03	0.08	0.01			1.70	1	0.0	13.7
4.31										19.75	0.0	
AVERAGE	0.02	1.04	0.31	0.04	0.11	0.01	#DIV/01	#DIV/01	Menthly Minimum		Potal Rainfall	12.1
							Number o	of readings	1,50	<b>建筑建</b>	7.39	1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20

Disinfectant Chloramines? (Y/N)

N

Number of readings 30 %

For Free Chlorine, # less than 0.2 rg/L 0

For Chloramines, # less than 0.5 rg/L

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 04/2015

								PAGE	6	OF	11
100					4	No:	A180N) 5	No:	6	No:	and the second
	TOTAL WASH WATER	No: AREA (square feet)	3 160	No: AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
DAY 1	30,000	15,000	92.20	15,000	92.10						
1 100		10,000	JZ.ZU	10,000	02.10						
2	0					17,000	99.50	17,000	99.50		
3 d	34,000					17,000	99.50	17,000	00.00		
	0					19000.00	40.30	19,000	40.30		
5	38,000	47.000	400.40	45.000	100.40	19000.00	40.50	18,000	70.00	<del>                                     </del>	
6	30,000	15,000	109.40	15,000	109.40						
7	0							40.000	05.00		
8	36,000					18,000	85.00	18,000	85.00		
9	0										
10	34,000	17,000	93.10	17,000	93.10						
11	0										
12	36,000					18,000	80.10	18,000	80.10		
13	0								-		
14 /	34,000	17,000	93.70	17,000	93.70						
16	33,000					17,000	83.00	16,000	83.00		
16	0										
17	29,000	14,000	82.20	15,000	82.20						<u> </u>
48	0										
19	0								1		
20	36,000					18,000	98.10	18,000	98.10		
21	0										
	30,000	15,000	99.60	15,000	99.50						1
23	49,000					30,000	84.30	19,000	84.30		
NORTH-	0										
26	30,000	15,000	88.90	15,000	88.90						
26 26	0	7.5,5.5.5									
27	35,000					18,000	92.90	17,000	92.90		
	0										
28 29 30	30,000	15,000	91.80	15,000	91.90						
		10,000	01.00	10,000	57.00						
30	0	<del> </del>	-								
	0	102.222	750.00	404.000	750.00	155,000	662.20	142,000	663,20	0	0.00
TOTAL	544,000	123,000	750.90	124,000	750.80	155,000	663.20				
VERAGE	17,548	15,375	93.863	15,500	93.850	19,375	82.900	17,750	82.900	#DIV/0!	#DIV/

COPY AS NEEDED

......ALL WATER SYSTEMS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 04/2015

PAGE 7 OF 11

	CHLORINE	CHLORINE							HLORINE RESIDUAL (ppm)  EAST WEST				
	BOOSTER	BOOSTER		NO		SOL		EA			ST F		
Y SEE	LBS	LB9	2000200	Ţ	F	I	F	T	F	Τ			
				1.40	1,30	1.45	1,43	1,35	1,27	1.18	1.11		
				1,55	1.48	1.31	1.22	1,34	1,18	1.47	1,42		
				1,51	1.46	1.50	1,36	1.52	1,40	1.29	1.23		
				1.56	1.49	1.19	1.08	1.44	1.37	1.23	1.14		
				1.43	1,37	1.50	1.45	1,44	1,38	1.41	1.35		
				1.61	1.51	0.71	0.58	1,29	1.24	1,40	1,29		
				1.56	1,49	1.37	1.25	1,30	1.18	1,55	1.52		
100			400	1,59	1,47	1.41	1.32	1_45	1.39	1,53	1.45		
				1.62	1.53	1,47	1,45	1.62	1.56	1.61	1,56		
				1.38	1.28	1.17	1.03	1,37	1,31	1.43	1,40		
				1.50	1.43	1,39	1.33	1,12	1.00	1,34	1.22		
				1.46	1.30	0.91	0.75	1,62	1.49	1.53	1.50		
				1,41	1.34	1.39	1.30	1.43	1,34	1.54	1,48		
		1	1000	1,50	1.44	1.04	1,00	1.61	1.46	1.64	1,5		
			0001562	1.57	1.55	1,25	1.17	1.62	1.57	1.60	1.53		
				1.52	1.45	1.23	1,16	1.69	1.51	1.50	1,48		
				1.23	1:17	1,53	1.44	1.64	1.47	1,52	1.37		
				1.35	1.24	1,55	1.46	1.28	1.19	1,44	1.38		
			115 X 20 X	1.52	1.40	1.37	1,29	1.44	1.35	1.55	1.47		
				1.30	1.24	1.63	1.55	1.48	1.40	1,52	1,44		
74.			A-Sun I	1.39	1,34	1.55	1.48	1.41	1.35	1.26	1.14		
			0. 10.	1,65	1.58	0,48	0.41	1.58	1.46	1.13	1,04		
				1.65	1.53	1,66	1.59	1.42	1.38	1,64	1,59		
				1.30	1.21	1.44	1.32	1.32	1.25	1,50	1.43		
			X 1 X 2 1	1,39	1.28	1.46	1.39	1,38	1.32	1.42	1.3		
	HE STATE OF THE ST		CONTRACTOR OF THE PERSON	1.28	1.23	1.16	1.02	1.46	1.43	1.49	1,4		
				1.50	1.32	1.09	0.97	1,20	1.07	1.53	1.4		
				1,32	1.26	1.41	1.37	1,34	1.31	1,10	1.0		
				1.46	1.38	1,10	1.07	1.50	1.43	1,43	1.3		
			DV.WIT	1.47	1.41	1,39	1,32	1.19	1.07	1,58	1.5		
Serie			42.										
GE	#DIV/01	#DIV/0I	Average	1.47	1,38	1,30	1.22	1.43	1.34	1.45	1.3		
	0.0	0.0	Total Minimum	1.23		0.48		1.12		1.10			
			Minimum		1.17		0.41		1.00		1.0-		

Total # Less than 0.5 mg/L

Diainfectant Chloraminee? (Y/N) N

Number of days of operation? 30

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	0273	
1	TURBIDITY R	REPORT				PLANT ID:	A		
200	Story of the State of the State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of Stat	LE TO ALL PLA	WHEN THE TANK PERSONS AND	NO DESCRIPTION OF THE PROPERTY.	Report Period (	MM/YYYY):	04/20	)15	PAGE: 8_OF_ <u>11</u>
PWS N			County Water I				Date of the Young		Daliyo
DAY	Hours Pipit Derated	s# of/Turbidity== Samples/Required*	Mid. 4 am		/ В атт - Noon	Noon +4 pm.	4 pm #8 pm	■ 8 pm - Mld	Maximum
	23.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
2	22.5	6	0.06	0.06	0.06	0.05	0.06	0.06	0.058
	15.5	4	0.06	0.14	0.07	0.06	0.09		0.143
ie.	24.0	6	0.08	0.10	0.12	0.08	0.07	0.08	0.121
Б	24.0	6	0.08	0.09	0.07	0.07	0.07	0.08	0.086
- 8	24.0	6	0.08	0.08	0.08	0.07	0.08	0.07	0.078
7	23.0	6	0.09	0.07	0.07	0.07	0.07	0.07	0.085
ģ.	23.5	6	0.07	0.07	0.07	0.07	0.09	0.07	0.090
9.1	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.063
102	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
11	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.060
12	24.0	6	0.06	0.11	0.07	0.06	0.06	0.07	0.114
135	22.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.065
14	24.0	6	0.06	0.07	0.07	0.06	0.07	0.07	0.072
16	22.0	6	0.07	0.06	0.07	0.06	0.06	0.25	0.249
16	22.0	6	0.08	0.05	0.05	0.07	0.06	0.06	0.080
17	23.5	6	0.08	0.07	0.06	0.06	0.06	0.12	0.121
183	24.0	6	0.12	0.05	0.05	0.05	0.06	0.06	0.115
19	23.0	6	0.05	0.06	0.07	0.06	0.06	0.06	0.067
20	24.0	6	0.06	0.07	0.06	0.05	0.06	0.07	0.068
70	22.0	6	0.05	0.06	0.06	0.06	0.05	0.05	0.060
22	24.0	6	0.05	0.06	0.05	0.06	0.05	0.05	0.058
21	23.0	6	0.06	0.05	0.06	0.06	0.05	0.10	0.101
24	24.0	6	0.06	0.05	0.06	0.06	0.06	0.06	0.062
25	23.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.060
26	24.0	6	0.07	0.07	0.06	0.06	0.06	0.07	0.072
,	22.0	6	0.06	0.06	0.06	0.06	0.08	0.07	0.080
2B	24.0	6	0.06	0.07	0.06	0.06	0.06	0.07	0.067
29.0	23.0	6	0.07	0.06	0.07	0.06	0.06	0.06	0.067
3.0	24.0	6	0.07	0.07	0.07	0.06	0.07	0.07	0.073
	0.0	0							0.000
Total	693.0	178			то	AL # OF TURBIDIT	Y SAMPLES TAKEN	179	0.249
ARE Y		ER CONVENTION	AL or DIRECT FIL	TRATION? (Y/N)	Υ		15		
	per of samples e		0.1 NTU	7	0.3 NTU	00	1 NTU	0	2
		tration, the number	er of samples ex	ceeding>	1 NTU		5 NTU		-
*NOTE up to t	: The "Number of the next whole no	of Turbidity Samp umber.	les Required" is	the number of ho	urs the plant oper	ated divided by	4 rounded		
l certi	fy that the abov	e turbidity readir	ngs were taken	every 4 hours du	uring plant opera	ition and in the	time frames note	d above. 2015	-
-	Signature of Prince	olpal Executive Office	cer or Authorized	Agent			Da	1197	

	AP	PLICABLE TO ALL	SURFACE WATER I	PLANTS WITH FILTRATION	
INDIVIDUAL FIL	TER TURBIDITY EX	CEEDANCE REP	ORT		
PWS Name:	Mar	tin County Water Dis	trict	î	
PWS ID:	KY080	00273			
PLANT ID:					
Report Period (MM/Y)	YY):	04/2	2015		
if any filter exce (also listed on the appropriate	eded any one of th he Summary Sheet report(s).	e individual filter ), complete the fo	turbidity triggers ollowing and sub	below, mit	PAGE 9 OF 11
illia i e e e e e		Turbidity Reading	Trigger Level (see		Date and Time State was Contacted
Date	Filter Number	(NTO) =	helowi	Reason for Exceedance (if known)	State was contacted

IN MONTH PARTY TO

SHEET PROPERTY OF THE

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.:
- Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance

  For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.:
- Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
- (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273	KY0800273 MONITORING PERIOD (MMYYYY) 04/2015								
: <del>-</del>		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE	FIELDS ARE PRE-					
		7.00	War and Killer	POPULATED FOR YOU!!!	en – en 1955 in 1957 (1959 <del>- 19</del> 50)					
Service Action 19 to 2007	and the second second second second	APPLIC	ABLE T	O ALL PLANTS						
PLANT ID A					55,132,000					
PLANT NAME	Martin County W	ater District			1,837,733					
AGENCY INTER	EST 2987		MA	XIMUM PUMPAGE (gallons per day)	1,969,000					
		APPLICABLE TO	LTERE	FELURIT TURBIDITY ANTS WITH FILTRATION						
		APPLICABLE TO	ALLIL	ARTO WITT IETTOTTON						
ANALYTE CODE					[7]					
	nonitored continuously? (Y				<u> </u>					
	ents recorded every 15 m		(/NI)		N					
Was there a failu	re of the continuous moni	toring equipment? (1	i/N)	tod every four hours of operation? (V/N)						
If Yes, (1) W	ere individual filter effluen as the continuously monito	, turbidity grab sampi	ired with	ted every four hours of operation? (Y/N)						
(2) Wi	ter level greater than 1.0 l	ATH in two consecuti	ive meas	urements? (Y/N)	N					
Was individual fil	ter level greater than 0.5 l	VTU in two consecut	ive meas	urements after on line for more than four hours?	(Y/N) N					
Was individual fil	ter level greater than 1.0 l	NTU in two consecut	ive meas	urements in three consecutive months? (Y/N)	N					
Was individual fil	ter level greater than 2.0 l	NTU in two consecut	ive meas	urements in two consecutive months? (Y/N)	N					
If any of the last	4 hoxes are YES, fill ou	t the Individual Filt	er Turbi	dity Sheet and submit with the MOR	ABABARUTARUK ESARU SE					
				ENERY POINTRESIDUAL DISINIFECTAN	CONCENTRATION					
APPLIC	ABLE TO ALL PLANTS	WITH FILTRATION	C. Santa V.	APPLICABLE TO ALL PLA	NTS					
				ANALYTE CODE 0999						
ANALYTE CODE	of plant operation		693.0	Number of days of plant operation	30					
	iken every 4 hours of plan	t operation? (V/N)	<u> </u>	Were samples taken each day of operation? (\)	(/N) Y					
Number of samp		(орыганонт (тлу)	179	Number of lowest chlorine samples recorded	30					
Highest single tu	***********		0.25	Lowest single chlorine reading	1.50					
	xcept slow sand filtration:			If less than required:						
1	imples exceeded 0.1 NTU	ı	7	Was residual restored within 4 hours of plant or						
	imples exceeded 0.3 NTU		0	Free Chlorine (for all disinfectants except chlore	omine):					
Number of sa	imples exceeded 1 NTU		0	Number of samples under 0.2 mg/L	0					
When filtration is	slow sand filtration:			Total Chlorine (when disinfectant is Chloramine	:):					
	imples exceeded 1 NTU			Number of samples under 0.5 mg/L						
Number of sa	imples exceeded 5 NTU									
PHOP	NE DIOXIDE ENTRY PO	INTEMONITORING	allutikase.	CHLORITE ENTRY POINT MON	ITORING MUNICIPALITY					
APPLICABL	E TO PLANTS UTILIZIN	3 CHLORINE DIOXI	DE	APPLICABLE TO PLANTS UTILIZING CH	LORINE DIOXIDE					
ANALYTE CODI	= 1008			ANALYTE CODE 1009						
	of plant operation		30	Number of days of plant operation	30					
	ken each day of operatio	n? (Y/N)		Were samples taken each day of operation? (						
Number of samp	les taken		0	Number of samples taken	0 00					
	nlorine dioxide reading		0.00	Highest single chlorite reading	0.00					
Number of chlori	ine dioxide samples excee	ded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L	0					

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

05-04-2015 Date

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273				MONITORING PE	RIOD (MMYYY	y) <b>04/2015</b>
AI 298	37	NOTE: COMPL	ETE ALL	APPLICA	ABLE FIELDS!!!	NOT ALL OF	THE FIELDS ARE PRE-
3	· · · · · · · · · · · · · · · · · · ·	×7587.0		PO	PULATED FOR	YOUIII	
	PURCHA			J. December 1981		SOLD	
				L WATER	SYSTEMS		MALEAL (CLIO (college)
FROM WH	HOM? (PWS ID)	HOW MUCH? (gallo	ns)	TC	WHOM? (PWS II	)) HO	W MUCH? (gallons)
WV3303003			0				
KY0980575			0				
(							
				A			
	•		ula - Her	-			
					4.7.7.7.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		· · · · · · · · · · · · · · · · · · ·
9				·			
				i			
				10			
(Green Strong							
0							
· ·							
1							
				1.			
				-			
			-				
		DISTRIBUTION:RES	CULAT FIRE	INCCOTA	UT CONCENTRAT	ION	
CONTRACTOR OF THE LOCAL CONTRACTOR		APPLICA	BLE TO A	LL WATER	SYSTEMS	11. 90/	7. XX = 1.00 E t = 5 p = 10 XX 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ANALYTE COI	DE 0999	1111 = 1911				,	
Number of day	a of approxima		30	Free Chl	orine (for all disinfe	ectants except cl	nloramine)
	taken each day of ope		Y	Numb	per of samples und	er 0.2 mg/L	0
Number of san		, , , , , , , , , , , , , , , , , , , ,		Total Ch	lorine (when disinfe	ectant is chloran	nine)
FREE			120		per of samples und		
TOTAL			120				mmmalanoonnoonii <del>maaaali</del> i
Lowest single	FREE chlorine reading		0.41				
	TOTAL chlorine reading	3	0.48				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

0.5-04-2015 Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI DEP Form 4012Re	H & YEAR (mm/yyyy)	05/2015	Indicate one with "X"	X SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273 Martin County W	PLANT ID: A	PLANT NAME:	Martin County Water District  3 DIST, CLASS: 2
	2987	ater District	DATE MAILED:	
AGENCY INTEREST (AI): SOURCE NAME:	Crum Reser	voir	COUNTY:	Martin
GOORGE NAME:	Tug For			
U	OPERATOR(S) RESPONS		CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	3	1V-A	17562
WTP SHIFT 2:	Michael Sa	ırtln	1V-A	21944
WTP SHIFT 3:	Timothy D I	Reed	1V-A	24590
DISTRIBUTION:			1	
THIS REP				ID APPLICABLE FIELD OFFICE
WHEN SHOWN SHOWS IN SHOW	NO LATER TH	AN 10 DAYS AFTE	R THE END OF T	HE MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):		1,66	57	
2. TYPE OF FILTRATION USE	ED:	Dual M		=
3. DESIGN FILTRATION RATI	E (gpm/sq. ft.):	2.66		-
4. PERCENT BACKWASH WA	ATER USED:	1.2		
6. DATE FLOCCULATION BA	SIN(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/ 09	-
6. DATE SETTLING BASIN(S	LAST CLEANED:			- -

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

Carl T. alley

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

06-08-2015



PWS ID : _ PLANT ID: _ KY0800273

APPLICABLE TO ALL PLANTS 05/2015
PAGE 1 OF

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10	RAW WATER	HOURS PLANT	COAGU		COAG		pH ADJU	STMENT	DISINFE	CTANT	DISINFE	CTANT
-	TREATED	OPERATED		- PDM	1.00	PPM	LBS	e PPM	LBS	PPM	LBS	PPM
AY	GALLONS		LBS	PPM	LBS		LBO	FIN				10.4
	1,685,000	22.0	236.1	16.8	3.9	0.3			360.2	25.6	146.5	Ene-
	1,924,000	24.0	257,4	16.0	4,2	0,3			425.0	26.5	162.4	10.1
	1,836,000	24.0	257.4	16,8	4.2	0.3			424.5	27.7	159.8	10.4
	1,851,000	24.0	257.4	16.7	4.2	0.3			424.5	27.5	159.8	10.4
	1,737,000	23.0	246.8	17.0	4.0	0.3			386,2	26.7	155.7	10.7
	1,798,000	23.0	213.9	14.3	4.0	0.3		VI	403.1	26,9	153.2	10.2
	1,910,000	24.0	223.3	14.0	4.2	0.3			426.9	26.8	170.2	10.7
	1,858,000	24.0	257.4	16.6	4.2	0.3			419.4	27.1	173.3	11.2
07.00		24.0	257.4	16.2	4.2	0.3			436.3	27.4	173.6	10.9
	1,911,000					0.3			432.0	27.8	173.3	11.2
	1,863,000	24.0	257.4	16.6	4.2				446.7	29.0	196.1	12.7
	1,850,000	24,0	257.4	16.7	4.2	0.3						
	1,874,000	24.0	257.4	16.5	4.2	0.3			465.6	29.8	196,1	12,
	1,894,000	24.0	257.4	16,3	4.2	0.3			511.4	32,4	183.1	11.
	1,616,000	24.0	257.4	19.1	4.2	0,3			450.1	33.4	167.5	12.
	1,903,000	24.0	257.4	16.2	4.2	0.3			483.2	30.4	169,1	10.
	1,848,000	24.0	257.4	16.7	4.2	0.3			464.2	30.1	162.6	10.
	1,830,000	24.0	292.9	19.2	4.2	0.3			467.8	30.7	169.2	11.
	1,803,000	24.0	292.9	19,5	4.2	0.3			491.4	32.7	167.6	11.
9.7	1,827,000	24.0	292.9	19.2	4.2	0.3			482.0	31.6	159.8	10.
0	1,750,000	24.0	292.9	20.1	4.2	0.3			463.8	31.8	132:7	9.1
	1,839,000	24.0	292.9	19.1	4.2	0.3			374.6	24.4	122.4	8.0
2		24.0	292.9	19.3	4.2	0.3			341.6	22.5	159.8	10.
3	1,820,000					0.3			370.8	23.9	159.8	10.
100	1,863,000	24.0	292.9	18.9	4.2				370.8	23.8	166.6	10.
45	1,872,000	24.0	292.9	18.8	4,2	0.3	ļ					
5	1,828,000	24.0	292.9	19.2	4.2	0,3			370.8	24.3	159.8	10.
6	1,422,000	18.0	219.6	18.5	3,2	0,3			291.4	24.6	122.6	10.
	3,181,000	23.0	280.6	10.6	4.0	0.2			357,6	13.5	159.8	6.0
8	1,890,000	24,0	292.9	18.6	4.2	0.3			370.8	23.5	159.8	10.
9	1,847,000	24.0	292.9	19.0	4.2	0.3			367.6	23.9	166.6	10,
0 < 0	1,887,000	24.0	292.9	18.6	4.2	0.3			388.2	24.7	170.2	10,
1.2	1,291,000	17.0	207.4	19.3	2.9	0.3			293.8	27.3	119.9	11.
TAL	57,308,000		8231.3		127.0		0.0		12762.3		4998.9	
RAGE	1,848,645		265.5	17.4	4.1	0.3	#DIV/0!	#DIV/0!	411.7	27.0	161.3	10.

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 05/2015

PAGE 2 OF 11

	DISINFECTANT		FLUORIDE		CARBON PH ADJUSTMENT			KMnO₄		CORROSION INHIBITOR		H202		
							Post		т.					
DAY	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
£ 1	506.7	36.1	55.8	4.0			93.7	6,7	23.3	1.7				
2	587.4	36.6	60.9	3,8			102.3	6.4	25,4	1,6				
ş	584.3	38.2	60.9	4.0		1	102.3	6.7	25.4	1.7				
4	584.3	37.8	60.9	3.9			102.3	6.6	25,4	1.6				
	541.9	37,4	58.4	4.0		- 1	97.9	6.8	24.4	1,7				
6	556.3	37,1	58.4	3.9			97.9	6.5	24.4	1.6				
9	597.1	37.5	60.9	3.8			102.3	6.4	25.4	1.6				
8	592.6	38.2	60,9	3.9			102.3	6.6	25.4	1,6				
ч	609.9	38.3	60.9	3.8			102.3	8.4	25.4	1.6				_,,,,,,,
10	605.3	39.0	60.9	3.9		140740	102,3	6.6	25.4	1.6				
41	642.8	41.7	60.9	3.9			102.3	6.6	25.4	1.6				
12	661.7	42.3	60.9	3.9			102,3	6,5	25.4	1.6				
13	694,5	44.0	60.9	3.9			102.3	6.5	25.4	1.6				
14	617.6	45.8	60.9	4.5			102.3	7.6	25.4	1.9				
16	652.3	41.1	60.9	3.8			102.3	6.4	25.4	1.8				
16	626.8	40.7	60.9	4.0			102.3	6.6	25.4	1.6		- ire		
	637.0	41.7	60.9	4.0			102.3	6.7	25.4	1.7				
17 18	659.0	43.8	60.9	4.1			102.3	6.8	25.4	1.7				
19	641.8	42.1	60.9	4.0			102.3	6.7	25.4	1.7				
20	596.5	40.9	60.9	4.2			102.3	7.0	25.4	1:7				
- 24	497.0	32.4	60.9	4.0			102.3	6.7	25.4	1.7				
21 22	501.4	33.0	60.9	4.0			102.3	6.7	25.4	1.7				7.
23	530.6	34.1	60.9	3.9			102.3	6.6	25.4	1.6			,,,,	
24	537.4	34.4	60.9	3.9			102.3	6.6	25.4	1.8				
26	530.6	34.8	80.9	4.0			102.3	6.7	25.4	1.7				
100	414.0	34.9	45.7	3.9			76.7	6.5	19.1	1.6				
. 26 27	517.4	19.5	58.4	2.2			97.9	3.7	24.4	0.9		54-		
28		33.7	60.9	3.9	la la				25.4	1.6				
2000年前90		34.7	60.9	4.0					25.4	1.6				
29	534.2		60.9	3.9			23.4	1.5	25,4	1.6	500			1
30	451.7	28.7		4.0	1		72.4	6.7	18.0	1.7				
31		38.4	43.2	<b>4.</b> U	1				768.6		0.0		0.0	
TOTAL	17,654.4		1,842.4		0.0	<del> </del>	2,810.5			4.0	#DIV/01	#DIV/0!	#DIV/0I	#DIV/0!
AVERAGE	569.5	37.4	59.4	3.9	#DIV/01	#DIV/01	96.9	6.4	24.8	1.6	#UIV/UI	#1010/01	#1017701	HOTV/V.

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : ___ PLANT ID: ___

KY0800273 Α

REPORT MONTH/YEAR:

05/2015

PAGE	3	OF	11
ALC: UNIVERSAL PROPERTY.	W. C. W. C.	150000	The second second

e de con						AL RESULTS		PM UNLESS	OTHERWIS	E SPECIFIED RESIDUAL	4.00	TURBIDITY (NTU)		
		pН		TO:		HARD		TOP FIL	OF	PLA			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	6.93	6.99	7.07	30	33	57	53	0.75	0.67	1.85	1,77	15.20	0.15	0.07
2	6.86	6.96	7.04	33	30	55	48	0.81	0.73	1.99	1.92	14.10	0.16	0.05
3	6.89	6.91	6.95	30	26	52	48	0.77	0.69	1.85	1.79	14.20	0.14	0.05
4	6.91	6.93	6.96	29	26	63	60	0.76	0,65	1.84	1.76	13,10	0.18	0.06
ß.	6.94	6.94	7.05	28	26	53	50	0.75	0.64	1.85	1,74	12,20	0.20	0.07
	6.91	6.96	7.05	30	28	55	52	0.73	0.61	1.83	1.75	11.90	0.19	0.06
	6.90	6.95	7.08	28	26	50	58	0.68	0.60	1.79	1.73	11.60	0.17	0.05
. 9	6.94	6.93	7.21	28	25	55	52	0.62	0,55	1.86	1.75	11.30	0.18	0.06
9	6.89	6.93	7,23	28	34	54	50	0.65	0.57	1.89	1.81	10.30	0.18	0.05
10	6.86	6.90	6.89	28	30	50	48	0.60	0.51	1.80	1.72	10.70	0.24	0.07
41	6.80	6.92	7.09	32	26	53	50	0.61	0.52	1.85	1.78	10.50	0.23	0.06
11	6.77	6.92	7.08	35	30	65	62	0.58	0.48	1.87	1,80	10.40	0.21	0.06
77.13	6.80	6.89	7.02	33	30	50	52	0.62	0.54	1.91	1.83	10.00	0.23	0.07
14	6.80	6.85	6.95	30	28	55	52	0.74	0.65	1,88	1.83	9.55	0.40	0.07
15	6.80	6.88	7.05	35	31	60	56	0.73	0.63	1.98	1.92	9.48	0.33	0.06
16	6.76	6,84	7.06	33	31	48	43	0.71	0.59	1.91	1.83	8.60	0.35	0.07
17	6.78	6.83	6.82	30	28	50	47	0.71	0.57	1.81	1.73	8.55	0.25	0.06
10	6.74	6.78	6.94	29	27	55	49	0.83	0.70	1.92	1.85	6.74	0.29	0.08
19	6.82	6.85	7.02	35	35	52	50	0.85	0.72	1.97	1.86	8.67	0.21	0.06
20	6.71	6.83	6.98	35	33	48	43	0.93	0.72	1.85	1.78	11.10	0.25	0.06
28	7.10	7.22	7.23	74	65	107	95	0.94	0.82	1.82	1.71	15.90	0.26	0,06
7 22 (1	7.22	7.23	7.22	62	57	110	112	0,72	0.60	1.87	1.76	15.40	0.25	0.06
1 (2) 1 (4)	7.11	7.22	7.15	68	65	112	110	0.80	0.68	1.92	1.83	14.30	0.24	0.04
24	7.11	7.18	7.13	65	72	110	108	0.75	0.66	1.85	1.78	13.40	0.24	0.05
25	7.13	7.19	7.15	60	62	108	105	0.72	0.63	1.84	1.76	12.60	0.29	0.05
26	7.09	7,15	7,11	65	67	105	102	0.70	0.61	1.83	1.75	11.30	0.26	0.07
27	7.11	7.20	7.08	60	62	115	110	0.62	0.53	1.78	1.71	10.70	0,25	0.05
28 29 30	7.04	7.12	7.01	65	61	100	105	0.67	0.55	1.87	1.78	9.54	0.23	0.06
2129	7.07	7.05	6.97	64	68	103	100	0.69	0.58	1.96	1.86	9.20	0.22	0.06
30	7.03	7.04	6.99	55	58	90	90	0.62	0.52	1.85	1.76	8.35	0.22	0.05
31	6.96	7.01	6.97	50	52	90	86	0.49	0.38	1.75	1.67	9.31	0.23	0.05
AVERAGE	6.9	7.0	7.1	42	41	72	69	0.71	0.61	1.87	1.78	11.23	0.23	0.06

### OPTIONAL INFORMATION—Surface Water Plants Only

KY0800273 PWS ID:

PLANT ID: AGENCY INTEREST:

2987 05/2015

11

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

AVERAGE

PAGE

4

REPORT MONTH/YEAR:

OF

ANACYTICAL RESULTS (NEU) INDIVIDUAL FILTER EFFLUENT SEDIMENTATION BASIN EFFLUENT RAW DAILY DAILY MAXIMUM DAILY MAXIMUM DAILY MAXIMUM #3 #6 #2 #5 #B #1 #2 MAXIMUM DAY 0.05 80.0 0.04 0.05 0.12 0,16 0.23 15.20 0.03 0.06 0.11 0.05 0.04 0.19 0.19 14.10 0.06 0.02 0.05 0.06 0.04 14.20 0.16 0.19 0.03 0.07 0.06 0.07 0.09 0.24 13.10 0.24 0.10 0.06 0.20 0.10 0.05 0.24 0.41 12.20 0.06 0.10 0.06 0.08 0.05 6 0.22 0.25 11.90 0.06 0.08 0.04 0.06 0.05 0.20 0.19 11.60 · B 0.06 0.03 0.07 0.09 0.06 0.27 0.19 11.30 0.07 6 0.03 0.07 0.07 0.06 0.22 0.23 10.30 0.09 0.10 0.07 0.15 0.06 0.37 0.26 10 10.70 0.09 0.11 0.04 0.07 0.06 10.50 0.29 0.49 0.11 0.11 0.06 0.08 0.17 0.36 0.33 10.40 12 0.14 0.09 0.13 0.22 80.0 0.68 0.62 19/ 10.00 0.09 0.19 0,05 0.06 0.26 0.28 3.19 9.55 14 80.0 0.04 0.05 0.05 0.11 167 1.12 9.48 0.23 0.12 0.08 0.07 0.16 0.07 16 8.60 0.44 0.84 0.14 0.03 0.05 0.15 0.04 0.99 8.55 0.27 17 0.11 0.28 0.07 0.08 0.11 0.21 1.30 6.74 0.05 0.13 0.02 0.07 0.05 0.14 0.44 12 8.67 0.09 0.17 0.05 0.05 0.05 0.75 11.10 0.18 20 (4 0.07 0.02 0.20 0.05 0.06 0.39 15.90 0.25 0.08 0.04 0.05 0.05 0.12 22 15.40 0.28 0.45 0.05 0.02 0.04 0.05 0.14 14.30 0.45 0.32 0.05 0.04 0.06 0.02 0.04 13.40 0.25 0.40 24 0.06 0.05 0.05 0.07 0.07 12.60 0.71 0.36 0.07 0.08 0.02 0.04 0.05 0.42 11.30 0.23 0.07 0.06 0.05 0.04 0.17 10.70 0.22 0.64 0.02 0.06 0.04 0.08 0.05 0.37 9.54 0.21 0.07 0.03 0.04 0.21 0.05 29 9.20 0.17 0.46 0.05 0.10 0.02 0.04 0.05 8.35 0.17 0.34 -30 0.02 0.06 0.06 0.10 0.05 9.31 0.28 0.40 311... #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! 0.05 #DIV/0! 0.08 0.05 0.06 0.13 11.2 #DIV/0! 0.3

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS (F)

PWSID: PLANT ID: KY0800273

REPORT MONTH/YEAR:

05/2015

1.82

*Please an:	swer Y/N ques	stion below	this chart.
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PAGE	5	OF	11
	Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	CONTRACTOR STATE	Mary Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the C
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	FLUC	PRIDE	IR	ON	MAN	NGANESE			Lowest Daily Chiorine Residual Plant Tap On-Line Chiorine Analyzer		RAINFALL	WATER TEMP. DEGREES F ⁰ /C ⁰
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	1111	INCHES	13.6
1612	0.05	1.23	0.31	0.03	0.07	0.01			1.68		0,5	
2	0.00	1.16	0.26	0.00	0.09	0.00			1.75		0.0	13.8
3	0.08	1.31	0.27	0.03	0.09	0.01			1.80		0.0	13.7
. 4	0.00	1.12	0.29	0,00	0.08	0.00			1.75		0.0	14.3
6 10	0.00	1.21	0.17	0.01	80.0	0.00			1.70	25.4	0.0	14.7
6. )	80.0	1.31	0.22	0.00	0.09	0.00			1.70		0.0	15.0
7.	0,00	1.16	0.22	0.03	0.08	0.00			1.75		0.0	15.5
8 2	0.04	0.74	0.27	0.03	0.09	0.00			1.62	· 新知·	0.0	15.7
9	0.00	0.85	0.30	0.06	0.08	0.00			1,75	14.63	0.0	16.8
10	0.03	1.00	0.20	0.03	0.09	0.00			1.70	1 52	0.5	17.1
111	0.00	1.01	0.26	0,00	0.09	0.01	1		1.70		0.0	17.5
12	0.05	0.95	0.27	0.00	0.08	0.00			1.25	1.47	0.0	18.0
19	0.00	1.01	0.28	0.00	0.11	0.00	1		1.75	1.5	0.0	18.4
14	0.09	1.00	0.32	0.03	0.09	0.00	1		1.65	17.	0.0	18.0
16	0.05	1.03	0.31	0.03	0.12	0.01			1.69	, T	0.0	17.8
16-1	0.10	1.15	0.38	0.02	0.10	0.01	-		1.70	*	0.0	18.5
17	0.12	0.98	0.36	0.01	0.10	0.01			1.75	in a	0.0	18.5
181	0.12	1.37	0.36	0.01	0.09	0.01	1		1.75		0.0	18.8
19.	0.08	0.94	0.34	0.03	0.11	0.01			1.70	1	0.2	18.3
20	0.08	0.86	0.28	0.03	0.13	0.01			1.70	5	0.0	15.4
21.	0.25	0.98	0.25	0.04	0.07	0.01			1.70		0.1	11.6
22	0.15	1.09	0.10	0.03	0.06	0.00			1.70	(A)	0.1	11.1
23	0.05	0.91	0.14	0.03	0.07	0.01			1.75	a v	0.0	10.6
24	0.18	1.10	0.23	0.04	0.08	0.01			1.70		0.0	10.6
725	0.18	0.99	0.15	0.02	0.06	0.01			1.60	製	0.0	11.4
26	0.08	0.92	0.19	0.06	0.08	0.01			1.50	7/4	0.0	11.8
27	0.15	1.17	0.16	0.14	0.07	0.01			1.65	1000	0.2	11.7
28	0.11	0.92	0.09	0.00	0.08	0.01			1.70		0.2	12.2
29	0.18	0.99	0.13	0.03	0.08	0.01			1.75	100	0.0	12.8
30	0.09	0.75	0.22	0.00	0.10	0.01			1.70	165	0.1	14.3
31	0.04	0.80	0.21	0.03	0.14	0.01			1.75	1	0.0	13.7
AVERAGE	0.08	1.03	0.24	0.03	0.09	0.01	#DIV/0!	#DIV/0!	Monthly Minimum		lotal Rainfail	14.9
							- September 1	Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Compan	1.25	509	CONTRACT.	**FSSSSymbolics

Number of readings 31

For Free Chlorine, # less than 0.2 mg/L 0

For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

N

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : _____ KY0800273 Α

05/2015 REPORT MONTH/YEAR:

								PAGE	6	OF	11
- 15		A CONTRACTOR	, g, ut	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A HONER OPER	АПОМ	The Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Pa	OCCUPANTAL PROPERTY.	A CONTRACTOR	(Death
ľ	TOTAL	No:	3	No:	4	No:	- 5	No:	160	No: AREA (square feet)	
AY	WASH WATER GALLONS	AREA (square feet) WASHWATER GALLONS	160 FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	180 FILT RUN HRS	AREA (square foot) WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
	35,000					18,000	92.60	17,000	92.60		
	0	11111									
	0							10.11			
	34,000	17,000	95.80	17,000	95.80						
5	40,000					21000.00	85.00	19,000	85.00		
8	36,000					18,000	28.60	18,000	28.60		-
	0										
8	30,000	15,000	93.30	15,000	93,30						
	0										
0	36,000					18,000	79.90	18,000	79.90		
1	39,000				-	19,000	42.20	20,000	42.20		
12	31,000	15,000	111.00	16,000	111.00		-		-		-
13	0										
14	28,000					14,000	62,80	14,000	62.80		
15	0										
18	40,000				1	20,000	38.30	20,000	38.30		
17	30,000	15,000	124.30	15,000	123.70						-
- 100	41,000				<u> </u>	20,000	54.90	21,000	54.90_		-
19	0		-						ļ		-
18 19 20	36,000					18,000	47.20	18,000	47.20		
21	33,000	16,000	90.40	17,000	90.40						-
22	36,000					18,000	46.40	18,000	46.40		
23	0						ļ		ļ		-
24	0										
250	32,000	16,000	79.40	16,000	79.40				-		ļ
28	41,000					21,000	94.90	20,000	94.90		ļ
27	0	1	-								1
2B '-	0				-				-		-
27 28 /	36,000	18,000	63.90	18,000	63.90		-	ļ	-	<u></u>	
30	0				-	ļ					
31	33,000	15,000	136.20	18,000	136.10		<b>_</b>		_	ļ	
OTAL	667,000	127,000	794.30	132,000	793.60	205,000	672.80	203,000	672.80		0.00
/ERAGE	21,516	15,875	99.288	16,500	99.200	18,636	61.164	18,455	61.164	#DIV/0!	#DIV/

COPY AS NEEDED

ALLUWATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 05/2015

PAGE 7 OF 11

	CHEMICALS ADDED				- 10-		ESULTS	T A TO STORY		
CHLORING		-	NO	RTH	TOTAL		HLORINE RESIDUAL		WE	ST
LBS	LBS		Т	F	ī	F	Т	F	т	P
			1,58	1.48	1.50	1.39	1.35	1,29	1.44	1.3
			1.62	1,58	1.55	1.48	1,27	1.17	1:77	1.7
			1.26	1.18	1,52	1.44	1,65	1.51	1,50	1.4
			1.54	1,39	1,59	1.52	1,38	1.31	1.54	1.4
			1.32	1.20	0.51	0.41	1.43	1.29	1,47	1.4
		1-54	1.49	1.38	1,42	1.37	1.33	1.29	1.62	1.4
			1.45	1.29	1,43	1.34	1.49	1.40	1.30	1.7
			1.39	1,29	1,51	1.39	1,47	1.38	1,39	1.5
			1,49	1,38	1.14	1.03	1.27	1.15	1.18	1,0
			1.28	1.24	1.31	1,19	1.12	1.04	1.50	1.5
			0.92	0.88	0.64	0.62	0.58	0.55	0,94	0.
		N. Carlo	1,45	1,36	0.98	0.95	0,83	0.78	0.56	0.
			1,01	0.79	0.64	0.57	0.86	0.84	1.05	0.
			1.37	1.30	1,14	1,10	0.75	0,68	1.31	1
			0.79	0.74	1.18	1.13	0.74	0.72	1.24	1.
			1.38	1.27	1.43	1.34	1.39	1,30	1.28	1.
			0.53	0.44	1.40	1.27	1.55	1.37	1,23	1.
			1.29	1.18	1.47	1.35	1.27	1.15	1.47	1,
			1.04	0,90	1.61	1,47	1.51	1.37	1.40	1.
			1.40	1.26	0.97	0.83	1,55	1.39	0,65	0.
		100	1.31	1.19	1.24	1.11	1.49	1,33	1,43	1.
		200	1.09	1.00	0.83	0.80	1.08	1.05	1,21	1.
			1.27	1,22	1.68	1.59	1.58	1.47	1.73	1.
		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUM	1,51	1,42	0,50	0.42	1.34	1,32	0,76	0.
			1,52	1.42	1.36	1.26	1.24	1.17	0.80	0
			1.40	1,30	1.38	1.27	1.62	1.55	1.45	1.
			1.30	1.25	1,24	1.19	1.59	1,53	1.53	1
		4	1.44	1.33	1.50	1,38	1.40	1,28	1.30	1.
			1.60	1.53	1.41	1.28	1.53	1.48	1.41	
			1.42	1.35	1.45	1.35	1,22	1.09	1.84	1.
	=2.722.10	At 180 and	1.13	1.09	0,53	0.50	1.00	0.94	1.02	0
#DIV/0	#DIV/01	Average	1.31	1.21	1.23	1.14	1.29	1.20	1.30	1
0.0	0.0	Total Minimum	0.53		0.50		0.58		0,56	
	V	Free Minimum		0.44		0.41		0.55		0

Total # Less than 0.5 mg/L

Disinfectant Chloremines? (Y/N)

Number of days of operation?

31

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	0273	
	TURBIDITY F	REPORT				PLANT ID:	A		
	APPLICAB	LE TO ALL PL	ANTS WITH FIL	TRATION	Report Period	(MM/YYYY):	05/20	015	PAGE:
PWS	Name:	Martin	County Water I	District					<u>8</u> OF <u>11</u>
DAY	Hours Plant	Samples Reduced!	Mid 4 am	and and the second	8 am = Noon	Noon a pm	4 pm: 8 pm	. a pm - Mio	Maximum
4.	22.0	6	0,06	0.06	0.06	0.06	0.08	0.08	0.076
2	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
3/2	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.059
	24.0	6	0.06	0.06	0.06	0.07	0.07	0.07	0.071
176	23.0	6	0.06	0.06	0.07	0.10	0.08	0.07	0.095
6	23.0	6	0.07	0.07	0.08	0.08	0.07	0.07	0.084
7	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.061
1	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
_1 y_1	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.067
10	24.0	6	0.07	0.09	0.07	0.07	0.07	0.08	0.093
11	24.0	6	0.07	0.07	0.07	0.07	0.08	0.09	0.087
12	24.0	6	0.11	0.08	0.08	0.06	0.06	0.07	0.105
13	24.0	6	0.07	0.07	0.07	0.14	0.07	0.06	0.142
瀟	24.0	6	0.06	0.06	0.06	0.06	0.04	0.19	0.193
16	24.0	6	0.08	0.06	0.06	0.06	0.06	0.08	0.083
76	24.0	6	0.10	0.06	0.08	0.12	0.09	0.06	0.117
77	24.0	6	0.06	0.06	0.06	0.07	0.07	0.14	0.142
. 10.	24.0	6	0.10	0.07	0.07	0.09	0.11	0.11	0.113
19	24.0	6	0.05	0.05	0.05	0.06	0.07	0.06	0.069
20	24.0	6	0.05	0.06	0.06	0.06	0.09	0.08	0.089
21	24.0	6	0.06	0.05	0.05	0.06	0.07	0.07	0.074
22	24.0	6	0.06	0.06	0.06	0.06	0.08	0.05	0.075
23	24.0	6	0.05	0.05	0.04	0.04	0.05	0.05	0.046
24	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
	24.0	6	0.06	0.06	0.05	0.05	0.06	0.05	0.057
26 28	18.0	5	0.06	0.06	0.06	0.05	0.07		0.065
27	23.0	6	0.07	0.06	0.05	0.05	0.05	0.05	0.069
.28	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.060
29	24.0	6	0.06	0.06	0.06	0.06	0.07	0.05	0.065
30	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.050
31		5	0.06	0.06	0.06	0.05		0.06	0.062
Total	726.0	184				TAL # OF TURBIDITY	SAMPLES TAKEN	184	0.193
ARE	YOU USING EITH	ER CONVENTION	IAL or DIRECT FI	LTRATION? (Y/N)	Y				
	ype of filtralion besides mber of samples e		0.1 NTU	. 8	0.3 NTU	0	1 NTU	0	4.2
NUI			per of samples ex		1 NTU		- 5 NTU		<del>.</del> .
WALCO:	For slow sand fi TE: The "Number						-		-
	the next whole n		prod modulion is						
l cei	rtify that the abov	ve turbidity read	ings were taken	every 4 hours d	uring plant oper	ation and in the	time frames note	ed above	
, 001	al	1. 12	lles			<u>.</u>	06-08	1010	
	Signature of Principal Executive Officer or Authorized Agent Date								

	AF	PELCABLE TO ALL	SURFACE WATER P	LANTS WITH FILTRATION	
INDIVIDUAL FIL	TER TURBIDITY EX	CEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dist	trict		
PWS ID; PLANT ID:		00273			
Report Period (MM/Y)		05/2	015	e E	
If any filter exce (also listed on t the appropriate	eded any one of the he Summary Sheet report(s).	e individual filter to the fo	turbidity triggers bllowing and subr	below, nit	PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Researt for Exceedance (if known)	Date and Time State was Contabled
A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH					
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#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, If no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

For Trigger Date

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273		MONITORING PERIOD (MMY	YYY) 05/2015
	NO	TE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT ALL C POPULATED FOR YOU!!!	F THE FIELDS ARE PRE-
	all the second second	APPLICABLE T	ORMATION	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
PLANT ID A			TAL WATER TREATED (gallons)	57,308,000
PLANT NAME	Martin County Water		E. DAILY PRODUCTION (gallons)	1,848,645
AGENCY INTE	THE RESERVE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA		XIMUM PUMPAGE (gallons per day)	3,181,000
		INDIVIDUALIERE	PPLUENS URBIDITY - 1991	77.00
	AP	PLICABLE TO ALL PL	ANTS WITH FILTRATION	
Were measurer Was there a fai If Yes, (1) (2) Was individual Was individual Was individual Was individual Was individual	monitored continuously? (Y/N) ments recorded every 15 minutes lure of the continuous monitoring were individual filter effluent turb was the continuously monitoring filter level greater than 1.0 NTU if filter level greater than 1.0 NTU if filter level greater than 1.0 NTU if filter level greater than 2.0 NTU if filter level greater than 2.0 NTU if filter level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0 NTU if the level greater than 2.0	equipment? (Y/N) dity grab samples colled equipment repaired with n two consecutive meas n two consecutive meas n two consecutive meas n two consecutive meas n two consecutive meas		Y/N) N
GC APPLI	OMBINED FILTER EFFLUENT T CABLE TO ALL PLANTS WITH	JRBIDITY FILTRATION	ENTRY POINT RESIDUAL DISINFECTOR APPLICABLE TO AL	TANTEONEENTRATIONS  L PLANTS
Were samples Number of sam Highest single For all filtration Number of s Number of s When filtration Number of s Number of s	rs of plant operation taken every 4 hours of plant ope taken every 4 hours of plant ope turbidity reading except slow sand filtration: samples exceeded 0.1 NTU samples exceeded 0.3 NTU is slow sand filtration: samples exceeded 1 NTU samples exceeded 1 NTU samples exceeded 5 NTU	8 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operati Number of lowest chlorine samples reco Lowest single chlorine reading If less than required: Was residual restored within 4 hours of pree Chlorine (for all disintectants excep Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chlorine) Number of samples under 0.5 mg/L	plant operation? (Y/N) of chloromine):
APPLICAB	RINE DIOXIDE ENTRY POINTS	MONITORING	CHLORITE ENTRY POIN APPLICABLE TO PLANTS UTILIZ	MONITORING ING CHLORINE DIOXIDE
ANALYTE COI Number of day Were samples Number of sam Highest single	DE 1008 s of plant operation taken each day of operation? (Y	31 '/N)0 0.00	ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operat	31 ion? (Y/N)

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

06-08-2015 Date

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273		MONITORING PERIOD (MMYYY	y) <b>05/2015</b>
Al	2987	NOTE: COMPLETE AL	L APPLICABLE FIELDS!!! NOT ALL OF	THE FIELDS ARE PRE-
	***************************************		POPULATED FOR YOU!!!	
	PURCHAS		SOLD 2	
FROM		APPLICABLE TO A	LL WATER SYSTEMS TO WHOM? (PWS ID) HO	W MUCH? (gallons)
	WHOM? (PWS ID)	HOW MUCH? (gallons)	10 ANHOMA (SAA2 ID) HO	vv ivioch / (gasions)
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of the last special and the last			LL WATER SYSTEMS	
ANALYTE	CODE 0999			
	days of operation	31	Free Chlorine (for all disinfectants except ch	nloramine)
	les taken each day of opera	ation? (Y/N)	Number of samples under 0.2 mg/L	0
1	samples taken:		Total Chlorine (when disinfectant is chloram	ine)
FREE			Number of samples under 0.5 mg/L	
TOTAL				
	gle FREE chlorine reading	0.41		
Lowest sing	gle TOTAL chlorine reading	0.50		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Principal Executive Officer or Authorized Agent

04-08-2015

Date



Indicate one X SURFACE WATER

# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT	H & YEAR (mm/yyyy)	GROUNDWATER			
DEP Form 4012Re	evised 07/2006	PURCHASE/DISTRIBUTE ONLY			
PW\$ ID :	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District	
PWS NAME:	Martin County W	ater District	PLANT CLASS:	3 DIST. CLASS: 2	
AGENCY INTEREST (AI):	2987		DATE MAILED:	06-08-2015	
SOURCE NAME:	Crum Reser	volr	COUNTY:	Martin	
l	Tug Fork	<			
	OPERATOR(S) RESPONSI	BLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER	
WTP SHIFT 1:	Earl T Alley		1V-A	17562	
WTP SHIFT 2:	Michael Sa	rtln	1V-A	21944	
WTP SHIFT 3:	Timothy D R	Reed	1V-A	24590	
DISTRIBUTION:					
THIS REP	ORT MUST BE RECEIVE	D BY THE DIVISION	OF WATER AND	APPLICABLE FIELD OFFICE	
	NO LATER THA	AN 10 DAYS AFTER	THE END OF TH	IE MONTH.	
TREATMENT PLANTS	COMPLETE:			MINING THE REAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH	
1. DESIGN CAPACITY (gpm):	_	1,667	7		
2. TYPE OF FILTRATION USE	D:	Dual Me	edia		
3. DESIGN FILTRATION RATE (gpm/sq. ft.):					
4. PERCENT BACKWASH WA	TER USED:	1.2			
6. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED:	#2 - 3/18/10 #	3 - 9/2/ 09		
6. DATE SETTLING BASIN(S)	LAST CLEANED:				
	: <del>-</del>				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

06-08-2015 DATE



APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

05/2015

REPORT MONTH/YEAR:

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	RAW WATER	RAW HOURS		COAGULANT		COAGULANT		pH ADJUSTMENT		DISINFECTANT		DISINFECTANT	
	TREATED	OPERATED						re	P		Po	PPM	
DAY	GALLONS		LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	
1	1,685,000	22.0	236.1	16.8	3,9	0.3			360,2	25.6	146.5	10.4	
2 1	1,924,000	24.0	257.4	16,0	4.2	0,3			425.0	26.5	162.4	10.1	
3	1,836,000	24.0	257.4	16.8	4.2	0.3			424.5	27.7	159.8	10.4	
4	1,851,000	24.0	257.4	16.7	4.2	0.3			424.5	27.5	159.8	10,4	
5	1,737,000	23.0	246.8	17.0	4.0	0.3			386.2	26.7	155.7	10.7	
6	1,798,000	23.0	213.9	14.3	4.0	0,3	pair version and have a	-10-33-2-001110-1	403,1	26.9	153.2	10.2	
7	1,910,000	24.0	223.3	14.0	4.2	0.3			426.9	26,8	170,2	10.7	
8	1,858,000	24.0	257.4	16.6	4.2	0.3			419.4	27.1	173.3	11.2	
9	1,911,000	24,0	257.4	16.2	4.2	0.3			436.3	27,4	173.6	10.9	
10	1,863,000	24.0	257.4	16.6	4.2	0.3			432.0	27.8	173.3	11.2	
1,7	1,850,000	24.0	257.4	16,7	4.2	0.3			446.7	29.0	196.1	12.7	
12	1,874,000	24,0	257.4	16,5	4.2	0.3			465.6	29.8	196.1	12.5	
13	1,894,000	24.0	257.4	16.3	4.2	0.3			511.4	32.4	183.1	11.6	
14	1,616,000	24.0	257.4	19,1	4.2	0,3			450.1	33.4	167.5	12.4	
15	1,903,000	24.0	257.4	16.2	4.2	0.3		8	483.2	30.4	169.1	10.7	
16	1,848,000	24.0	257.4	16.7	4.2	0.3		\.	464.2	30.1	162,6	10.6	
17	1,830,000	24.0	292.9	19.2	4.2	0.3			467.8	30.7	169.2	11.1	
18	1,803,000	24.0	292.9	19.5	4.2	0.3			491.4	32.7	167,6	11,1	
4/95	1,827,000	24.0	292.9	19.2	4,2	0.3			482.0	31.6	159,8	10.5	
20	1,750,000	24.0	292.9	20.1	4.2	0.3			463.8	31.8	132:7	9.1	
- 21	1,839,000	24,0	292.9	19.1	4.2	0.3			374.6	24.4	122.4	8.0	
22	1,820,000	24.0	292.9	19.3	4,2	0.3			341.6	22.5	159.8	10.5	
23	1,863,000	24.0	292.9	18.9	4.2	0.3			370.8	23.9	159.8	10.3	
24	1,872,000	24.0	292.9	18.8	4.2	0.3	,		370.8	23.8	166.6	10.7	
25	1,828,000	24.0	292.9	19.2	4.2	0,3			370.8	24.3	159.8	10.5	
26	1,422,000	18.0	219.6	18.5	3.2	0.3			291.4	24.6	122.6	10.3	
27	3,181,000	23.0	280.6	10.6	4.0	0,2			357.6	13.5	159.8	6.0	
27 28	1,890,000	24.0	292.9	18.6	4.2	0.3			370.8	23.5	159.8	10.1	
29 30	1,847,000	24.0	292.9	19.0	4.2	0.3			367.6	23,9	166.6	10.8	
30	1,887,000	24.0	292.9	18.6	4.2	0.3			388.2	24.7	170.2	10.8	
4,7	1,291,000	17.0	207.4	19.3	2.9	0.3			293.8	27.3	119.9	11:1	
TOTAL	57,308,000		8231.3		127.0		0.0		12762.3		4998.9		
AVERAGE	1,848,645		265.5	17.4	4.1	0.3	#DIV/0I	#DIV/0!	411.7	27.0	161.3	10.6	

3,181,000

MAX

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 05/2015

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	DISINFE		FLUO	77.7		BON		JSTMENT	КМг	10,	U	CORROSION INHIBITOR		D2
					Ĭ	.,,	Pos	9t	1					
DAY	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LBS	PPM	LBS	РРМ	LBS	PPM
1	506,7	36.1	55.8	4.0			93.7	6.7	23.3	1.7				
7	587.4	36 6	60.9	3.8			102.3	6.4	25.4	1.8	iii <b>3</b> 9			
3	584.3	38.2	60.9	4.0			102.3	6.7	25.4	1.7				
4	584.3	37.8	60.9	3.9			102.3	0.6	25.4	1.6				
5	541.9	37.4	58.4	4.0	10.01192		97.9	6.8	24.4	1.7				
6	556.3	37.1	58.4	3.9			97.9	6.5	24.4	1.6				
i	597.1	37.5	80.9	3.8			102.3	6.4	25.4	1.6				
8	592.6	38.2	60.9	3,9			102.3	6.6	25.4	1.6				
8	609,9	38.3	60.9	3.8			102.3	8.4	25.4	1.6	1			
10	605.3	39.0	60.9	3.9			102.3	6.6	25.4	1,6				
11	642.8	41.7	60.9	3.9			102.3	6.6	25.4	1.6				
12	661.7	42.3	60.9	3.9			102.3	6.5	25.4	1.6				
13	694.5	44.0	60.9	3.9			102.3	6.5	25.4	1.6				
14	617.6	45.8	60.9	4.5			102,3	7.6	25.4	1.9				
15	652.3	41.1	60.9	3.6			102.3	6.4	25.4	1.8				
10	626.8	40.7	60.9	4.0			102.3	6,6	25.4	1.6				
17	637.0	41.7	60.9	4.0			102,3	6.7	25.4	1.7			(ecana	
17 18	659.0	43.8	60.9	4.1			102.3	6.8	25.4	1.7				
19.	641.8	42.1	60.9	4.0			102,3	6.7	25.4	1.7				
20	596.5	40.9	60.9	4.2			102.3	7.0	25.4	1.7				
21	497.0	32.4	60.9	4.0			102.3	6.7	25.4	1.7				
21 22	501.4	33.0	60.9	4.0			102.3	6.7	25.4	1.7				
23	530,6	34.1	60,9	3.9			102.3	6,6	25.4	1,6				
22.7	537.4	34.4	60.9	3.9			102.3	6.6	25.4	1.6				
26	530.8	34.8	60.9	4.0			102.3	6,7	25.4	1.7				
26	414.0	34.9	45.7	3.9			76.7	6,5	19,1	1.6		- minis		
26 27	517.4	19.5	58.4	2.2			97.9	3.7	24.4	0.9				
28	530.6	33.7	60,9	3.9					25.4	1.6				
29	534.2	34.7	60.9	4.0					25.4	1.6				-1)
30	451.7	28.7	60.9	3,9			23.4	1.5	25.4	1.6				
31	413.7	38.4	43.2	4.0			72.4	6.7	18.0	1.7		5-2010		
TOTAL	17,654.4		1,842.4		0.0		2,810.5		768.6		0.0		0,0	
AVERAGE	569.5	37.4	59.4	3.9	#DIV/0I	#DIV/01	96.9	6,4	24.8	1.6	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0!

APPLICABLE TO ALL PLANTS

PWS ID : ___ PLANT ID: ___

OF

KY0800273 A

REPORT MONTH/YEAR:

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Hq PH			<b>第四十</b>	TO	TAL	AL RESULT	i (mg/Lioka TAL		CHLORINE	RESIDUAL	號和學生		TURBIDITY	(NTU)
		TOP OF		ALKA	LINITY	HARD	NESS	YOF FIL	OF TER	PL/	ANT AP		SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	6,93	6.99	7.07	30	33	57	53	0.75	0.67	1.85	1,77	15.20	0.15	0.07
201	6.86	6.96	7.04	33	30	55	48	0.81	0.73	1.99	1.92	14.10	0.16	0.05
3	6.89	6.91	6.95	30	26	52	48	0.77	0.69	1.85	1,79	14.20	0,14	0.05
4	6.91	6.93	6.96	29	26	63	60	0.76	0.65	1.84	1.76	13.10	0,18	0.06
i b	6.94	6.94	7.05	28	26	53	50	0.75	0.64	1.85	1.74	12.20	0.20	0.07
ß	6.91	6.96	7.05	30	28	55	52	0.73	0.61	1.83	1.75	11.90	0.19	0.06
	6.90	6.95	7.08	28	26	50	58	0.68	0.60	1.79	1.73	11.60	0.17	0.05
9	6.94	6.93	7.21	28	25	55	52	0.62	0.55	1.86	1.75	11.30	0.18	0.06
9	6,89	6.93	7.23	28	34	54	50	0.65	0,57	1.89	1.81	10,30	0.18	0.05
10	6.86	6.90	6.89	28	30	50	48	0.60	0.51	1,80	1.72	10.70	0.24	0.07
-11	6.80	6.92	7.09	32	26	53	50	0.61	0.52	1.85	1.78	10.50	0.23	0.06
42	6.77	6.92	7.08	35	30	65	62	0.58	0.48	1.87	1,80	10.40	0.21	0.06
213	6.80	6.89	7.02	33	30	50	52	0.62	0.54	1.91	1.83	10.00	0.23	0.07
-14	6.80	6.85	6.95	30	28	55	52	0.74	0.65	1.88	1.83	9.55	0.40	0.07
15	6.80	6.88	7.05	35	31	60	56	0.73	0.63	1.98	1.92	9.48	0.33	0.06
16,7	6.76	6.84	7.06	33	31	48	43	0.71	0.59	1.91	1.83	8.60	0.35	0.07
17	6.78	6.83	6.82	30	28	50	47	0.71	0.57	1.81	1.73	8.55	0.25	0.06
18	6.74	6.78	6.94	29	27	55	49	0.83	0.70	1.92	1,85	6.74	0.29	0.08
1(9)	6.82	6.85	7.02	35	35	52	50	0,85	0.72	1.97	1.86	8.67	0.21	0.06
20	6.71	6.83	6.98	35	33	48	43	0.93	0.72	1.85	1.78	11.10	0.25	0.06
21	7.10	7,22	7,23	74	65	107	95	0.94	0,82	1.82	1.71	15.90	0,26	0.06
22	7.22	7.23	7,22	62	57	110	112	0.72	0.60	1.87	1.76	15.40	0.25	0.06
237	7.11	7.22	7.15	68	65	112	110	0.80	0.68	1.92	1.83	14.30	0.24	0.04
24	7,11	7.18	7.13	65	72	110	108	0.75	0.66	1.85	1.78	13.40	0.24	0.05
25	7.13	7.19	7.15	60	62	108	105	0.72	0.63	1.84	1.76	12.60	0.29	0.05
26	7.09	7.15	7.11	65	67	105	102	0.70	0.61	1.83	1.75	11.30	0.26	0.07
27	7.11	7.20	7.08	60	62	115	110	0.62	0.53	1.78	1.71	10.70	0.25	0.05
28	7.04	7.12	7.01	65	61	100	105	0.67	0.55	1.87	1.78	9.54	0.23	0.06
20 30 31	7.07	7.05	6.97	64	68	103	100	0.69	0.58	1.96	1.86	9.20	0.22	0.06
30	7.03	7.04	6.99	55	58	90	90	0.62	0.52	1.85	1.76	8.35	0.22	0.05
14	6.96	7.01	6.97	50	52	90	86	0.49	0.38	1.75	1_67	9.31	0.23	0-05
AVERAGE	6.9	7.0	7.1	42	41	72	69	0.71	0.61	1.87	1.78	11.23	0.23	0.06

### OPTIONAL INFORMATION—Surface Water Plants Only

PWS ID: KY0800273

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KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

PLANT ID: AGENCY INTEREST:

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

2987 REPORT MONTH/YEAR:

05/2015

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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	4/7/1/2					Aly	ALYTICALI	RESULTST	NTUI.			(16.00 Jens	0.167	100	1/51/15
	RAW		SEDIM		BASIN EFF	LUENT					L FILTER E				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	#3	AXIMUM #4	#5	#6	#1	#2	#3	#4	JM #5	#6	#7	MAXIMUM
1	15.20		0.16	0.23						0.04	0.05	0.12	0.05		0.08
	14.10		0.19	0.19						0.04	0.05	0.11	0.03		0.06
7	14.20		0.16	0.19			- 1			0.04	0.05	0.06	0.02		0.06
	13.10		0.24	0.24						0.06	0.07	0.09	0.03		0.07
5	12.20		0.24	0.41						0.05	0.06	0.20	0.10		0.10
6	11.90		0.22	0.25						0.05	0.06	0.10	0.06		0.08
× 7	11.60		0.20	0.19						0.05	0.06	0.08	0.04		0.06
8	11.30		0.27	0.19						0.07	0.09	0.06	0.03		0.06
9	10.30		0.22	0.23						0.06	0.07	0.07	0.03		0.07
+10	10.70		0.26	0.37						0.06	0.07	0.15	0.10		0.09
11	10.50		0.29	0.49						0.06	0.07	0.11	0.04		0.09
12	10.40		0.36	0.33						0.06	0.08	0.17	0.11		0.11
13	10.00		0.68	0.62						0.09	0.13	0.22	0.08		0.14
14,-	9.55		0.28	3.19						0.05	0.06	0,26	0.09		0.19
	9.48		0.23	1.12						0.05	0.05	0.11	0.04		0.08
16	8.60		0.44	0.84						0.07	0.07	0,16	0.08		0.12
17	8.55		0.27	0.99						0.04	0.05	0.15	0.03		0.14
18=	6.74		0.21	1.30						0,08	0.11	0.28	0.07		0.11
119	8.67		0.14	0.44						0.05	0.05	0.13	0.02		0.07
2011	11.10		0.18	0.75						0.05	0.05	0.17	0.05		0.09
21	15.90		0.25	0.39						0,05	0.06	0.20	0.02		0.07
2.2	15.40		0.28	0.45						0.05	0.05	0,12	0.04		80.0
23	14.30		0.45	0.32						0.04	0.05	0.14	0.02		0.05
24	13.40		0.25	0.40						0.04	0.04	0.06	0.02		0.05
1 25	12.60		0.71	0.36						0.05	0.05	0.07	0.07		0.06
26	11.30		0.23	0.42						0.05	0.04	0.08	0.02		0.07
27.	10.70		0.22	0.64						0.05	0.04	0.17	0.06		0.07
27. 28	9.54		0.21	0.37						0.05	0.04	0.08	0.02		0.06
29	9.20		0.17	0.46						0.05	0.04	0.21	0.03		0.07
30	8.35		0.17	0.34						0.05	0.04	0.10	0.02		0.05
3,1	9.31		0.28	0.40						0.05	0.06	0.10	0.02		0.06
AVERAGE	11.2	#DIV/0!	0.3	1	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.05	0.06	0.13	0.05	#DIV/0!	0.08

PWSID: PLANT ID:

KY0800273

REPORT MONTH/YEAR:

05/2015

The section is

APPLICABLE TO ALL PLANTS

	REPORT MONTH/YEAR:								C:	05/2	2015	
,		swer Y/N que							PAGE	5	OF	11
HAVE		ORIDE		analytical f Ron		L OR PRM DI NGANESE	VICESS OTHERV	VISE SPECIFII	Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	<b>素ははがま</b>	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	100	INCHES	F°/C°
1.1	0.05	1.23	0.31	0.03	0.07	0.01			1.68		0,5	13.6
2	0.00	1.16	0.26	0.00	0.09	0.00			1.75	i i	0.0	13.8
3	0.08	1.31	0.27	0.03	0.09	0.01			1.80		0.0	13.7
4	0.00	1.12	0.29	0.00	0.08	0.00			1.75		0.0	14.3
- 6	0.00	1.21	0.17	0.01	0.08	0.00			1.70		0.0	14.7
6 )	0.08	1.31	0.22	0.00	0.09	0.00			1.70	6	0.0	15.0
7.	0.00	1.16	0.22	0.03	0.08	0.00			1.75	7.0	0.0	15.5
8	0.04	0.74	0.27	0.03	0.09	0.00			1.62	W. C.	0.0	15.7
9	0.00	0.85	0.30	0.06	0.08	0.00			1.75		0.0	16.8
10	0.03	1.00	0.20	0.03	0.09	0.00			1.70	188	0.5	17.1
	0.00	1.01	0.26	0.00	0.09	0.01			1.70		0.0	17.5
12 =	0.05	0.95	0.27	0.00	0.08	0.00			1.25	1	0.0	18.0
13	0.00	1.01	0.28	0.00	0.11	0.00			1.75	248	0.0	18.4
14	0.09	1.00	0.32	0.03	0.09	0.00	1141		1,65		0.0	18.0
16	0.05	1.03	0.31	0.03	0.12	0.01			1.69		0.0	17.8
16	0.10	1.15	0.38	0.02	0.10	0.01			1.70	No. of	0.0	18.5
17	0.12	0.98	0.36	0.01	0.10	0.01			1.75		0.0	18.5
18	0.12	1,37	0.36	0.01	0.09	0.01			1.75	100	0.0	18.8
19	0.08	0.94	0.34	0.03	0.11	0.01			1.70	17	0.2	18.3
20	0.08	0,86	0.28	0.03	0.13	0.01			1.70	38	0.0	15.4
21	0.25	0.98	0.25	0.04	0.07	0.01			1.70	45	0,1	11.6
22	0.15	1.09	0.10	0.03	0.06	0.00			1.70	6	0.1	11.1
23	0.05	0.91	0.14	0.03	0.07	0.01			1.75	2	0.0	10.6
24	0.18	1.10	0.23	0.04	0.08	0.01			1.70	*	0.0	10.6
125	0.18	0.99	0.15	0.02	0.06	0.01			4 00	機工	0.0	11.4
25 26	0.08	0.92	0.19	0.06	0.08	0.01			1.50	2- 7人	0.0	11.8
210	0.15	1,17	0.16	0.14	0.07	0.01			1.65	4	0.2	11.7
28	0.11	0.92	0.09	0.00	0.08	0.01			1.70		0.2	12.2
29	0.18	0.99	0.13	0.03	0.08	0.01	1		1.75		0.0	12.8
30	0.09	0.75	0.22	0.00	0.10	0.01			1.70	¥65	0.1	14.3
1 31 ·	0.04	0.80	0.21	0.03	0.14	0.01		1	1.75	14	0.0	13.7
AVERAGE	0.08	1.03	0.24	0.03	0.09	0.01	#DIV/0!	#DIV/0!	Monthly Minimum		l otal Rainfall	14.9

Number of readings 31 **

For Free Chlorine, # less than 0.2 mg/L 0

For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

N

APPLICABLE TO ALL PLANTS WITH FILTERATION (3)
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PWS ID: KY0800273
PLANT ID: A

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REPORT MONTH/YEAR: 05/2016

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	TOTAL WASH WATER	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	100	No; AREA (square feet)	160	No: AREA (square feet)	
DAY	GALLONS	WASHWATER GALLONS	FILT RUN	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
DAY	35,000	GALLONS	HRS	GALLONS	пка	18,000	92.60	17,000	92.60	GALLONG	HAG
	0	****				10,000	92.00	17,000	32,00		
			·								
3000	0	47.000	05.00	(7,000	05.00						<b></b>
A	34,000	17,000	95.80	17,000	95.80					THE LINE	<b></b>
6	40,000		<del> </del>			21000.00	85.00	19,000	85.00		
0	36,000					18,000	28,60	18,000	28,60		
1	0		1								-
8	30,000	15,000	93.30	15,000	93,30					277370	
9	0										
10	36,000	2-10-				18,000	79.90	18,000	79.90		
11	39,000					19,000	42.20	20,000	42.20		
12	31,000	15,000	111.00	16,000	111.00						
13	0										
id:a	28,000					14,000	62.80	14,000	62.80		
15	0										
16	40,000					20,000	38.30	20,000	38.30		
17	30,000	15,000	124.30	15,000	123,70						
18	41,000					20,000	54.90	21,000	54.90		
49	0										
19 20	36,000					18,000	47.20	18,000	47.20		
21	33,000	16,000	90.40	17,000	90.40	720,10					
22	36,000					18,000	46.40	18,000	46.40		
23,47	0										
24	0										
25	32,000	16,000	79.40	16,000	79.40						
	41,000					21,000	94.90	20,000	94.90		
26 27	0						7,112.4				
100	0						-			lure of	
28 29	36,000	18,000	63.90	18,000	63.90						
30		10,000	03.80	10,000	00.80						
CONTRACTOR	0	15 000	120.00	19.000	120 10						
231	33,000	15,000	136.20	18,000	136.10	005.000	070.00	200 222	070.05		0.00
TOTAL	667,000	127,000	794.30	132,000	793.60	205,000	672.80	203,000	672.80	0	0.00
AVERAGE	21,516	15,875	99.288	16,500	99,200	18,636	61.164	18,455	61.164	#DIV/01	#DIV/0!

**COPY AS NEEDED** 

- - ALL WATER BYSTEMS:

PWS ID: KY0800273
PLANT ID: A

QF

REPORT MONTH/YEAR: 05/2015

CI	HLORINE	CHLORINE	4			TOTAL		ESULTS HLORINE RESIDUAL	(ppm)		
	DOSTER	BOOSTER	i -	NO	RTH		. (1) AND FREE (F) C UTH		ST	WE	
	LB6	LBS	PROPERTY.	Т	F	T	F	Т	F		F
				1.58	1.48	1,50	1.39	1.35	1.29	1,44	1.3
				1.62	1,58	1,55	1:48	1.27	1.17	1.77	1.5
				1.26	1,18	1,52	1.44	1,65	1.51	1,50	1.4
9				1.54	1.39	1.59	1.52	1.38	1.31	1.54	1.4
-				1.32	1.20	0.51	0.41	1.43	1,29	1.47	1.4
Ü			100	1.49	1.38	1.42	1.37	1.33	1.29	1,62	1.4
			6,000,00	1.45	1.29	1.43	1.34	1.49	1.40	1.30	1,2
8				1.39	1.29	1.51	1.39	1,47	1.38	1,39	1.2
				1.49	1.38	1,14	1.03	1.27	1,15	1,18	1.0
				1.28	1.24	1.31	1_19	1.12	1.04	1,50	1.3
				0.92	0.88	0.64	0.62	0.58	0.55	0.94	0.9
				1.45	1.36	0.98	0.95	0.83	0.78	0,56	0.5
6				1,01	0.79	0,64	0,57	0.86	0.84	1,05	0.9
				1,37	1_30	1.14	1.10	0.75	0.68	1.31	1,3
200			155	0.79	0.74	1.18	1.13	0.74	0.72	1.24	1.2
	110000000000000000000000000000000000000			1,38	1.27	1.43	1.34	1.39	1.30	1.28	1.3
			100	0.53	0.44	1.40	1.27	1.55	1.37	1.23	1.
2				1.29	1.18	1.47	1.35	1.27	1.15	1.47	1.3
				1.04	0.90	1,61	1.47	1.51	1,37	1.40	1.2
		100721		1.40	1.26	0.97	0,83	1.55	1.39	0,65	0.5
				1.31	1.19	1,24	1.11	1.49	1.33	1.43	1.3
			ALC: NO.	1.09	1,00	0.83	0.80	1.08	1.05	1.21	1.1
				1.27	1.22	1,68	1,59	1.58	1.47	1.73	1.3
			THE PERSON NAMED IN	1.51	1.42	0.50	0,42	1.34	1.32	0.76	0.6
				1.52	1.42	1.36	1.26	1.24	1.17	0.80	0.7
	) 84			1.40	1,30	1,38	1.27	1.62	1.55	1,45	1.4
			12	1.30	1,25	1.24	1.19	1.59	1.53	1.53	1.8
			L.	1.44	1,33	1.50	1.38	1.40	1.28	1.30	1.
				1.60	1,53	1,41	1,28	1,53	1.48	1,41	1.3
			50 A	1.42	1.35	1.45	1.35	1.22	1.09	1.84	1.7
			<b>***</b>	1.13	1.09	0,53	0.50	1.00	0,94	1.02	0.0
#	DIV/0I	#DIV/0I	Average	1.31	1.21	1.23	1.14	1.29	1.20	1,30	1.2
	0.0	0.0	Total Minimum	0.53		0.50		0.58		0.56	
			Minimum		0.44		0.41		0.55		0,5

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

Number of days of operation?

31

Signature of Principal Executive Officer or Authorized Agent

						PWS ID :	KY0800	273	_
	TURBIDITY R	EPORT				PLANT ID:	A		-
	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	100000000000000000000000000000000000000	ANTS WITH FILE	200 C 200 Heren 1	Report Period	(MM/YYYY):	05/20	15	PAGE: 8 OF <u>11</u>
DAY P					100 (10 PAT-1)				PAIV
0000		THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	Mid 4 am			0.06	0.08	0.08	0.076
1	22.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
2	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.059
305	24.0	6	0.06	0.06	0.06	0.03	0.07	0.07	0.071
41	24.0	6	0.06	0.06	0.07	0.10	0.08	0.07	0.095
56	23.0	6		0.08	0.07	0.08	0.07	0.07	0.084
6	23.0	6	0.07	0.07	0.05	0.05	0.05	0.05	0.061
7	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.061
9	24.0	6	0.06		0.06	0.06	0.06	0.07	0.067
-9	24.0	6	0.06	0.06	0.00	0.07	0.07	0.08	0.093
10	24.0	6	0.07		0.07	0.07	0.07	0.09	0.087
11.	24.0	6	0.07	0.07	0.08	0.06	0.06	0.07	0.105
12	24.0	6	0.11	0.08	0.08	0.14	0.07	0.06	0.142
113	24.0	6	0.07	0.07	0.07	0.06	0.04	0.19	0.193
1.6	24.0	6	0.06	0.06		0.06	0.04	0.08	0.083
16	24.0	6	0.08	0.06	0.06	0.00	0.09	0.06	0.117
16-	24.0	6	0.10	0.06	0.08	0.12	0.09	0.14	0.142
17	24.0	6	0.06	0.06	0.06	0.09	0.07	0.11	0.113
18	24.0	6	0.10	0.07	0.07		0.07	0.06	0.069
19 20	24.0	6	0.05	0.05	0.05	0.06		0.08	0.089
20	24.0	6	0.05	0.06	0.06	0.06	0.09	0.07	0.074
21	24.0	6	0.06	0.05	0.05	0.06	0.07	0.07	0.075
22	24.0	6	0.06	0.06	0.06	0.06	0.08		0.073
23	24.0	6	0.05	0.05	0.04	0.04	0.05	0.05	0.040
24	24.0	6	0.05	0.05	0.05	0.05	0.05		0.052
26	24.0	6	0.06	0.06	0.05	0.05	0.06	0.05	0.065
26	18.0	5	0.06	0.06	0.06	0.05	0.07	0.05	0.069
27	23.0	6	0.07	0.06	0.05	0.05	0.05	0.05	0.069
28	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.065
1.54	24.0	6	0.06	0.06	0.06	0.06	0.07		0.065
10:	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.062
31,	17.0	5	0.06	0.06	0.06	0.05		184	0.002
Total	726.0	184	_			TAL # OF TURBIDITY	SAMPLES TAKEN[	104	0.193
ARE '	YOU USING EITHE pe of filtration besides a	ER CONVENTION  Slow sand)	NAL or DIRECT FI	TRATION? (Y/N	Y				
	ber of samples ex		0.1 NTU	8	0.3 NTU	00	1 NTU	0	
			ber of samples ex	ceeding>	1 NTU	J	6 NTU		_
	E: The "Number of	of Turbidity Sam	ples Required" is		ours the plant ope	erated divided by	4 rounded		
•	the next whole no		linge were teken	overy 4 hours (	during plant oper	ration and in the	time frames note	d above.	
cen	ury that the abov	e minute	Jele taken	every - nours	ading plant oper	audit and it are	06-08-2	015	

Date

	- AP	PLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY EX	CEEDANCE REP	ORT		
PWS Name:	Mar	tin County Water Dist	trict		
PWS ID:	KY080				
PLANT ID: Report Period (MM/YY)		05/2	015		
If any filter excee (also listed on the the appropriate r	ded any one of the Summary Sheet report(s).	e Individual filter t ), complete the fo	turbidity triggers bllowing and subr	below, nit	PAGE 9 OF 11
Date	- Filter Number	Turbidity Reading	Trigger Level (sue bolow)	Respon for Exceedance (If known)	Date and Time State was Contacted
A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	SERVICE ALL DE L'AL CONTRACTOR DE L'AL CONTRACTOR DE L'AL CONTRACTOR DE L'AL CONTRACTOR DE L'AL CONTRACTOR DE	355			
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- H-					
			11.		

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.:
- Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance

  For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.:
- Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
- (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY	YYY) 05/2015	
				APPLICABLE FIELDS!!! NOT ALL O POPULATED FOR YOU!!!	F THE FIELDS ARE	PRE-
ta a said	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	A CONTRACT PLA	ANT-INFO	ORMANION.	and the second	- 1
PLANTID A		APPLIC		O ALL PLANTS TAL WATER TREATED (gallons)	57,308,000	
PLANT NAME	Martin County \	Water District		E. DAILY PRODUCTION (gallons)	1,848,645	_
AGENCY INTE		Prater District		XIMUM PUMPAGE (gallons per day)	3,181,000	
						#ANCON
i e		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION	7. 10 mars and 100	
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I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

06-08-2015 Date

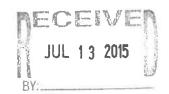
## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY080	0273	MONITORING PERIOD	(MMYYYY) <b>05/2015</b>
AI 2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT A	ALL OF THE FIELDS ARE PRE-
		POPULATED FOR YOU!!	
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FROM WHOM? (PWS II		TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003		-	
KY0980575	0		
			(
			(
5			4
			140
T	12.74		
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1.4	DISTRIBUTE (NORTHSTEINAL DIS	INFECTANT CONCENTRATION	**************************************
***************************************	APPLICABLE TO AL	L WATER SYSTEMS	
ANALYTE CODE 0999			
Number of days of operation	31	Free Chlorine (for all disinfectants	except chloramine)
Were samples taken each day		Number of samples under 0.2 n	
Number of samples taken:		Total Chlorine (when disinfectant is	
		Number of samples under 0.5 m	ng/L
TOTAL	124		
Lowest single FREE chlorine	reading 0.41		
Lowest single TOTAL chlorine	e reading		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

06-08-201.5 Date



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONT	H & YEAR (mm/yyyy) 06/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	Martin County Water District  2987  Crum Reservoir  Tug Fork	D: A PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	Martin County Water District  DIST. CLASS: 2  07/08/1.5  Martin
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REF	OPERATOR(S) RESPONSIBLE / IN-CHAR  Earl T Alley  Michael Sartin  Timothy D Reed  Elbert Osborne  PORT MUST BE RECEIVED BY THE DIV	1V-A 1V-A 1V-A 11-A VISION OF WATER AND	
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm):  2. TYPE OF FILTRATION USE  3. DESIGN FILTRATION RATI  4. PERCENT BACKWASH WA  5. DATE FLOCCULATION BA  8. DATE SETTLING BASIN(S)	ED: C  E (gpm/sq. ft.):  ATER USED:  SIN(S) LAST CLEANED: #2 - 3/18	1,567 Dual Media 2.66 1.1 8/10 #3 - 9/2/ 09	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

12

PWS ID : PLANT ID: KY0800273 A

APPLICABLE TO ALL PLANTS

06/2015 OF 11

	RAW WATER	HOURS PLANT	COAG	JLANT	COAGU	LANT	pH ADJUSTMENT		DISINFEC		DISINFEC	
	TREATED	OPERATED					Pre	PPM	LBS	PPM	LBS	PPM
AY	GALLONS		LB8	PPM	LBS	PPM	LBS	FFM				
1	1,828,000	24.0	292.9	19.2	4.2	0.3			389.8	25,6	173.3	11.4
2	1,893,000	24.0	292.9	18.6	4.2	0.3			417.6	26.5	169.2	10.7
3.	1,873,000	24.0	292.9	18.8	4.2	0.3			461.2	29,5	183.1	11.7
4	1,769,000	24.0	292.9	19.9	4.2	0.3			522,6	35.4	167.6	11.4
5	1,879,000	24.0	292.9	18.7	4.2	0.3			511.7	32.7	159.8	10.2
5	1,890,000	24.0	292.9	18.6	4.2	0.3			467.8	29.7	159.8	10.1
	1,833,000	24.0	249.9	16.3	4.2	0.3			477.8	31.3	159.8	10.5
	1,611,000	21.5	200.8	14.9	3.8	0.3			435.4	32.4	149.0	11.1
	1,879,000	24.0	224.2	14.3	4.2	0.3	,		470.6	30.0	166.6	10.6
	1,798,000	24.0	224.2	15.0	4.2	0.3			468.6	31.2	180.0	12.0
0		24.0	224.2	14.5	4,2	0.3			567.3	36.7	183.2	11.9
1	1,852,000		224.2	14.8	4.2	0.3			577.5	38.2	179.8	11.9
2	1,814,000	24.0			4.2	0.3			598.1	39.4	183_1	12.1
3	1,821,000	24.0	224.2	14.8		0.3			598.1	39.2	183.1	12.0
A	1,831,000	24.0	224.2	14.7	4.2				598.1	38.9	183.1	11.9
5	1,845,000	24.0	224.2	14.6	4.2	0.3			471.3	38.2	152.6	12.4
6	1,481,000	24.0	224.2	18.2	3.5	0,3			606.3	38.1	203.7	12.8
7	1,908,000	24.0	224.2	14.1	4.2	0.3				37.8	201.9	12.6
8	1,924,000	24.0	224.2	14.0	4.2	0.3			606.3			12.1
19	1,808,000	23.5	188.2	12.5	4.1	0.3			568.7	37.7	182.9	
20	1,839,000	24.0	155.0	10.1	4.2	0.3			593.1	38:7	162.8	10.6
21	1,904,000	24.0	155.0	9.8	4.2	0.3			606.3	38.2	169.2	10.7
22	1,589,000	20.0	129.2	9.7	3.5	0.3			520.6	39.3	141.8	10.7
23	1,898,000	24.0	155.0	9.8	4.2	0.3			606,3	38.3	170.0	10.7
24	1,907,000	24.0	155.0	9.7	4.2	0.3			606.3	38.1	182.4	11.5
25	1,801,000	24.0	155.0	10.3	4.2	0.3			606.3	40.4	186.7	12.4
26	1,755,000	23.0	148.6	10.2	4.0	0.3			578,3	39.5	181.1	12.4
27	1,743,000	23.0	148.6	10.2	4.0	0.3			553.1	38.0	175.5	12.1
28	1,818,000	24.0	155.0	10.2	4.2	0.3			606.3	40.0	192.5	12.7
29	1,756,000	24.0	155.0	10.6	4.2	0.3			606.3	41.4	192.5	13.1
30	1,831,000	24.0	155.0	10.2	4.2	0.3			600.2	39.3	213.1	14.
31	54,378,000		6304.8		123.7		0.0		16297.9		5289.2	
VERAGE			210.2	13.9	4.1	0.3	#DIV/0I	#DIV/0!	543.3	36.0	176.3	11.

### APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

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DISINFE	CTANT	FLUOF	RIDE	CARB	ON	pH ADJU	JSTMENT	KMn	04	CORROS	L	H202	
						Por	at						
Y LBS	PPM	LBS	PPM	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LB8	PPM
563.1	38.9	60.9	4.0			102.3	6.7	25,4	1.7				
586.8	37.2	60,9	3.9			102 3	6.5	25.4	1.6				
644.3	41,2	60.9	3.9			102.3	6,5	25.4	1.6			-	
690.2	46.8	60.9	4,1			102.3	6,9	25.4	1.7				
671.5	42.9	60.9	3.9			102.3	6.5	25.4	1.6				
627.6	39.8	60.9	3,9			102.3	6.5	25.4	1.6				
637.6	41.7	60.9	4.0			102.3	6.7	25.4	1.7				
584.4	43.5	54.6	4:1			91.6	6.6	22,8	1.7				
637.2	40.7	60.9	3.9			102.3	6.5	25.4	1,6				
648.6	43,3	60.9	4.1			102.3	6.8	25,4	1.7				
750.5	48.6	60.9	3.9			102.3	6.6	25.4	1.6				
757.3	50.1	60.9	4.0			102.3	6.8	25.4	1.7				
781.2	51.4	60.9	4.0			57.5	3.8	25.4	1.7				
781.2	51,2	60.9	4.0					25.4	1.7				
781.2	50.8	60.9	4.0					25.4	1.7				
623.9	50.5	55.0	4.5					21.2	1.7			-	
810.0	50.9	60.9	3.8					25.4	1.6				
808.2	50.4	60.9	3.8					25.4	1.6				
9 751.6	49.8	59.6	4.0					24.9	1.7				
755.9	49.3	60.9	4.0					25.4	1.7				
775.5	48.8	60.9	3.8					25.4	1.6				
662.4	50.0	50.8	3.8					21.2	1.6				
776.3	49.0	60.9	3.8					25.4	1.6				
788.7	49.6	60.9	3.8					25.4	1.6				
793.0	52.8	60.9	4.1					25.4	1.7				
759.4	51.9	58.4	4,0					24.4	1.7				
728.6	50.1	58.4	4.0					24.4	1.7				
798.8	52.7	60.9	4.0					25.4	1.7				
798.8	54.5	60.9	4.2					25.4	1.7				
813.3	53.3	60.9	4.0					25.4	1.7				
24 597 4		1 709 4		0.0		1,274.2		748.5		0.0		0.0	
			40		#DIV/01		6.4		1.7		#DIV/01	#DIV/0I	#DIV/01
15/46		47-7	1,798.4	1,798.4	1,798.4 0.0	1,798.4 0.0	1,798.4 0.0 1,274.2	1,798.4 0.0 1,274.2	1,798.4 0.0 1,274.2 748.5	1,798.4 0.0 1,274.2 748.5	1,798.4 0.0 1,274.2 748.5 0.0	1,798.4 0.0 1,274.2 748.5 0.0 #DIV/OL #DIV/OL	1,798.4 0.0 1,274.2 748.5 0.0 0.0 0.0 1,274.2 748.5 0.0 #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/OL #DIV/O

APPLICABLE TO ALL PLANTS

PWS ID : PLANT ID: KY0800273

REPORT MONTH/YEAR:

06/2015

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		рН	3	TO' ALKAI		TO'	NESS	тор	OF	PLA			SETTLED	PLANT	
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	FIL [*] TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP	
1	6,89	6.99	6.99	55	52	80	75	0.58	0.45	1.79	1.71	8.83	0.27	0.06	
2	6.89	7.01	7.05	55	52	73	70	0.60	0.49	1.83	1.76	8.94	0.24	0.06	
3	6.88	6.98	7.03	58	52	80	76	0.61	0.49	1.94	1.86	8.46	0.22	0.06	
4	6.84	6.92	6.97	48	50	73	70	0.82	0.72	1.89	1.79	7.74	0,22	0.07	
6	6.84	6.93	7.01	40	44	60	62	0.82	0.70	1.86	1.77	7.86	0.22	0.05	
В	6.88	6.99	7.07	55	50	68	70	0.81	0.69	1.84	1.72	7.54	0.23	0.06	
7	6.91	7.03	7.00	53	50	78	72	0.72	0.60	1.86	1.76	6.83	0.27	0.06	
8	7.01	7.04	7.20	55	63	72	68	0.71	0.55	1.83	1.71	6.45	0.23	0.05	
9	7.00	7.10	7.29	63	65	75	72	0.72	0.59	1.83	1.71	6.45	0.26	0.07	
10	7.07	7.11	7.22	47	51	81	74	0.58	0.46	1.86	1.74	5.64	0.25	0.06	
11	7.10	7.19	7.31	78	80	95	90	0.58	0.47	1,80	1.70	5.06	0.21	0.05	
12	7.30	7.24	7.28	85	88	110	104	0.71	0.56	1.88	1,76	4.62	0.21	0.05	
13	7.25	7.34	7.24	95	88	120	116	0.74	0.60	1.92	1.80	4.20	0.20	0.05	
14	7.17	7.36	7.19	86	84	128	122	0.73	0.56	1.85	1.73	3.55	0.17	0.05	
15	7.20	7.39	7.23	105	98	142	136	0.74	0.60	1.96	1.85	3.30	0.17	0.06	
16	7.29	7.43	7.30	110	102	145	150	0.75	0.57	1.95	1.84	3.23	0.23	80.0	
17	7.33	7.43	7.30	96	93	144	131	0.68	0.52	1.94	1.81	2.80	0.17	0.07	
18	7.40	7.32	7.28	110	102	165	160	0.75	0.59	1.93	1.84	2.47	0.15	0.07	
19	7.37	7.50	7.39	125	122	170	164	0.82	0.68	1.82	1.81	2.43	0.16	0.06	
20	7.43	7.54	7.42	130	125	180	168	0,93	0.79	1.95	1.82	3.02	0.17	0.06	
/21	7.36	7.53	7.39	130	125	170	166	0.88	0.72	1,89	1.77	3.28	0.18	0.06	
22	7.37	7.58	7.39	133	130	175	170	0.73	0.59	1.88	1.80	3.23	0.17	0.08	
23	7.39	7.58	7.44	124	120	185	182	0.91	0.78	1.89	1.79	3.15	0.18	0.06	
24	7.41	7.57	7.43	140	145	185	180	0.90	0.77	1.83	1.76	3.69	0.18	0.06	
2.5	7.41	7.59	7.43	140	137	180	178	0,84	0.67	1.89	1.79	4.00	0.19	0.08	
28	7.43	7.61	7.45	155	150	192	188	0.82	0.66	1,92	1.78	4.11	0,23	0.08	
27	7.43	7.62	7.48	158	150	190	188	0.83	0.66	1.91	1.81	3.96	0.21	0.05	
28	7.44	7.63	7.50	136	139	194	192	0.77	0.63	1.78	1.71	3.68	0.20	0.05	
29	7.48	7.66	7.49	165	158	195	193	0.75	0.59	1.84	1.72	4.82	0.27	0.07	
30	7.53	7.71	7.54	140	138	198	194	0.84	0.66	1.90	1.79	5.92	0.21	0.06	
31															
AVERAGE	7.2	7.3	7.3	99	97	133	129	0.76	0.61	1.88	1.77	4.98	0.21	0.06	

## OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

PLANT ID: AGENCY INTEREST:

2987 REPORT MONTH/YEAR:

06/2015

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

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VA. IS			2 340				LYTICAL R	ESULTS (N		NEUROLIA	L FILTER E	EEL LIENT	2236 275	C. C. C. C. C. C. C. C. C. C. C. C. C. C	ÇFE
	RAW DAILY		SEDIME	ENTATION E DAILY MA	BASIN EFFLI	UENT					L FILTER E				DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
	8.83		0.22	0.66						0.05	0.05	0.10	0.03		0.07
2	8.94		0.20	0.35						0.07	0.08	0.13	0.03		0.06
3	8.46		0.18	0.34						0.05	0.05	0.12	0.02		0.07
	7.74		0.19	0.41						0.05	0.05	0.12	0.03		0.08
5	7.86		0.15	0.41						0.05	0.05	0.07	0.02		0.06
6	6.88		0.18	0.43						0.05	0.05	0.09	0.02		0.06
7	6.83		0.22	0.42						0.05	0.05	0.11	0.02		0.07
8	6.45		0.24	0.40						0.08	0.09	0.07	0.02		0.07
9	6.45		0.19	0.46						0.07	0.06	0.18	0.02		0.10
10	5.64		0.31	0.49						0.07	0.07	0.14	0.03		0.11
111	5.06		0.18	0.39						0.06	0.06	0.06	0.02		0.06
12	4.62		0.15	0.42						0.07	0.06	0.06	0.02		0.07
13	4.20		0.15	0.40						0.06	0.06	0.10	0.03		0.08
14	3.55		0.19	0.33						0.06	0.05	0.13	0.03		0.05
15	3.30		0.15	0.33						0.06	0.05	0.09	0,04		0.07
16	3.23		0.13	0.32						0.07	0.06	0.19	0.06		0.10
17	2.80		0.17	0.37						0.06	0.06	0.07	0.03		0.06
18	2.47		0.18	0.34						0.07	0.06	0.09	0.03		0.07
19	2.43		0.11	0.26						0.07	0.05	0.08	0.04		0.08
20	3.02		0.14	0.29						0.07	0.06	0.07	0.03		0.08
21	3.28		0.25	0.33						0.07	0.06	0.09	0.03		0.08
22	3.23		0.17	0.27						0.06	0.05	0.14	0.06		0.08
23	3.15		0.15	0.36						0.07	0.05	0.09	0.03		0.07
24	3.69		0.16	0.33						0.06	0.05	0.08	0.03		0.08
25	4.00		0.15	0.40						0.07	0.07	0.12	0.03		0.11
28	4.11		0.25	0.46						0.06	0.06	0.09	0.06		0.12
27	3.96		0.17	0.36						0.06	0.05	0.05	0.02		0.06
28	3.68		0.16	0.48						0.06	0.05	0.07	0.02		0.07
- 29	4.82		0.25	0.58						0.08	0.07	0.11	0.07		0.09
30	5.92		0.18	0,42						0.07	0.06	0.09	0,03		0.08
31															
AVERA	ge 5.0	#DIV/0!	0.2	0	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.06	0.06	0.10	0.03	#DIV/0	0.08

PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: 06/2015

*	*Please answer Y/N question below this chart.  ANALYTICAL RESULTS (mg/L OR PPM U								PAGE	5	OF	11
1000	FLUO	RIDE		NALYTICAL R		OR PPM UNL	ESS OTHERWI	SE SPECIFIED	Lowest Dally			WATER
									Chiorine Residual Plant Tap On-Line Chiorine	3333	RAINFALL	TEMP.
							Ī		Analyzer			DEGREES F°/C°
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL		INCHES	
1	0.11	0.78	0.13	0.02	0.14	0.01			1.70	差	0.9	14.0
2	0.10	0.80	0.24	0.00	0.18	0.00			1.75		0.4	14.4
3	0.14	0.82	0.19	0.06	0.19	0.01			1.75		0.0	15.0
4	0.10	0.76	0.33	0.03	0.19	0.00			1.75		0.1	15.8
5	0.14	0.85	0.31	0.02	0.20	0.00			1.70		0.0	16.1
6	0.00	0.70	0.28	0.04	0.20	0.01			1.70		0.0	17.1
7	0.11	0.73	0.31	0.07	0.17	0.00			1.69		0.0	17.6
8	0.08	0.77	0.30	0.05	0.25	0.00			1.70		0.0	19.6
9	0.07	0.62	0.32	0.00	0.26	0.00			1.70	1000	0.7	19.5
10	0.22	0.65	0.39	0.03	0.22	0.01			1.61	NIN	0.0	19.9
11	0.05	0.96	0.30	0.00	0.31	0.00			1.70		0.0	20.9
12	0.08	1.00	0.28	0.00	0.27	0.00			1.68	999	0.0	21.4
13	0.14	0.40	0.27	0.08	0.27	0.01			1.70		0.0	21.4
14	0.24	1,22	0.22	0.02	0.25	0.01			1,60	STATE OF	0.0	21.7
15	0.24	1.22	0.19	0.02	0.19	0.01			1.65		0.0	22.2
16	0.18	0.85	0.20	0.02	0.22	0.01			1.50		0.0	22.6
17	0.27	0.87	0.16	0.02	0.23	0.01			1.70		0.1	23.0
18	0.44	1.11	0.18	0.03	0.19	0.01			1.75		0.0	23.3
19	0.31	1.03	0.13	0.01	0.21	0.00			1.66	100	0.5	23.7
20	0.33	1.07	0.13	0.00	0.21	0.02			1.75	の記憶	0.5	23.7
21	0.27	0.98	0.12	0.00	0.18	0.01			1.65	STATE OF	0.2	24.2
22	0.31	1.15	0.11	0.02	0.16	0.01			1.60	100	0.0	24.5
23	0.27	1.11	0.12	0.02	0.18	0.00			1.70	1000	0.0	24.9
24	0.44	1.11	0.14	0.03	0.17	0.01			1.70	TO SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SER	0.1	25.3
25	0.20	1.03	0.07	0.02	0.18	0.01			1.70	1930	0.0	25.5
26	0.33	1.10	0.10	0.01	0.14	0.01			1.70	2565	0.9	25.6
27	0.32	1.13	0.10	0.02	0,17	0.01			1.70	100	0.2	25.9
28	0.37	1.05	0.11	0.03	0.15	0.01			1.70	100	0.3	25.9
29	0.29	1.18	0.12	0.02	0.19	0.01			1.65	1325	0.0	25.9
30	0.26	1.37	0.09	0.01	0.18	0.00			1.70	2535	0.0	25.9
31	0.20	1.07	0.00	0.01	0.10	1				100000		
			0.00	0.00	0.00	0.01	#DIV//01	#DIV#01	Monthly Minimum	100	l'otal Rainfall	21.6
AVERAGE	0.21	0.95	0.20	0.02	0.20	0.01	#DIV/0!	#DIV/0!		AL VIEW	T. Carrieda	21.0
									1.50	9	4 70	
								of readings	30	U	4.76	

For Free Chlorine, # less

than 0.2 mg/L For Chloremines, # less than 0.5 mg/L 0

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: ____

PAGE_

06/2015

11

		DE THE METAL STATE				The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	ATION	No	6	No:	- ARRENT
	TOTAL	No:	160	No: AREA (square feet)	180	No: AREA (square feet)	160	AREA (squere feet)	160	AREA (square feet)	
	WASH WATER	AREA (square feet) WASHWATER	FILT RUN	WASHWATER GALLONB	FILT RUN HR6	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8
DAY	GALLONS	GALLON8	HRS	GALLONS	TIKO	18,000	61.60	18,000	61.60		
1	36,000					10,000					
2	0										
3	0	15,000	90.20	15,000	90.10	18,000	74.80	18,000	74.80		
4	66,000	15,000	90.20	10,000	30.10	10,000					
5	0										
6	0					18,000	71.00	19,000	71.00		
7.	37,000	12.000	107.00	15,000	107.00	10,000					
8	28,000	13,000	107.00	13,000	107.00						
9	0					18,000	60.90	18,000	60.90		
10	36,000					10,000					
11	0	46,000	95.90	16,000	95.90						
12	32,000	16,000	95.90	10,000	30.00	18,000	78.30	18,000	78.30		
13	36,000					10,000					
14	0										
15	0 000	46.000	80.20	16,000	79.30	18,000	65.40	18,000	66.00		
16	68,000	16,000	60.20	10,000	70.00	10,000					
17	0										
18	25,000					17,000	70.00	18,000	70.00		
19	35,000 28,000	14,000	106.20	14,000	106.20						
20	28,000	14,000	100,20	14,000							
21	36,000					18,000	66,30	18,000	66.30		
22	0										
24	0										
25	30,000	15,000	102.30	15,000	99.90						
26	37,000					18,000	92,10	19,000	92.10		
27	0										
28	0										
29	66,000	15,000	95.40	15,000	92.70	18,000	77.30	18,000	77.30		
30	0										
31	0										
TOTAL	- 22	104,000	677.20	106,000	671.10	179,000	717.70	182,000	718.30	0	0.00
AVERAGE		14,857	96.743		95.871	17,900	71.770	18,200	71.830	#DIV/0!	#DIV/

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

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REPORT MONTH/YEAR: 06/2015

OF 11 PAGE DISTRIBUTION SYSTEM OPERATION TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE WEST SOUTH BOOSTER BOOSTER NORTH F LB8 LB8 DAY 1.29 1.34 1.38 0.62 1.41 1.34 1.22 0.69 0.85 1.38 1.31 1.25 1.14 1.48 1.38 0.88 1.23 1.35 1.36 0.61 0.54 1.46 1.25 1.36 3 1.42 1:51 1,29 1.47 1,39 1.33 1.36 1.58 1.37 1.22 1.17 1.33 1,21 1.26 1.44 1.41 5 1.39 1.49 1,49 1.37 1.35 1.50 1,33 1,46 8 0.57 0.50 1.12 1.06 1.28 1.13 1,34 1.25 1.13 1.41 1.27 1.23 1.29 1.18 1.35 1.24 B 1.04 1.29 1.21 1.19 0.40 1.34 1.22 0.47 1.20 1.10 0.98 1.12 1.06 0.94 0.87 1.16 10 1.27 1.32 1.45 1:40 1.29 1.12 1.09 1.35 11 1.31 1.14 0.93 1.49 1.44 1.02 0.58 0.52 12 0.90 1.23 1.44 1.36 0.93 1.28 1.32 1.41 13 1.22 1.49 1,34 1.44 1.29 1.43 1.41 1.30 14 1.38 1.32 0.70 1.29 1.17 0.78 1.06 0,94 15 0.90 0.77 0.85 1:01 1.00 0.90 1.14 0.98 16 1.27 1.12 1.04 0.91 1.29 1,22 1.32 1.03 17 1.27 1.11 1.17 1.29 1.12 1.33 1.06 18 1.12 1.19 1.23 0.91 1.11 1.02 1,36 1.20 1.12 19 1.32 1.18 1,52 1.37 1.26 1.56 1.14 1.10 20 0.95 1.05 1.31 0.64 0.51 0.85 1.41 1.06 21 0.98 0.91 1,26 1.13 0.45 0.78 0.61 0.58 22 1.07 0.99 1.22 1.13 0.75 1.23 1.08 0.B3 23 1.41 1.31 1.34 1.31 0.49 1.31 1.20 0.63 24 0.94 1:44 1.24 1.08 1.16 1.11 1.35 1.23 25 1.10 1.16 0.85 1.30 1.15 0.61 0.56 0.99 26 1.00 0.87 1.02 1.12 0.94 1.12 0.40 0.31 27 1.37 1.28 1.06 0.89 1.13 1.07 1.09 1.01 28 0.77 0.88 1.21 0.98 1.29 1.02 1.08 1.15 29 1.12 1.20 0.38 1.15 0.97 0.49 1.12 1.03 30. 31 1.26 1.15 1.02 1.20 1.10 1.12 #DIV/0I #DIV/0! 1.15 1.04 Average AVERAGE 0.57 0.88 0.47 0.40 0.0 0.0 TOTAL Free 0.77 0.38 0.50 0.31

Total # Chlorine Samples

30

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						PWS ID :	KY0800	273	,
	TURBIDITY I	REPORT			_	PLANT ID:	Α		
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		ANTS WITH FI	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	Report Period	(MM/YYYY):	06/20	15	PAGE: 8 OF <u>11</u>
DAY	Name: Hours Plant	For Turbidity	County Water	District	San San San San San San			A CONTRACTOR OF A	Dally
DAT	Operated	Samples Required		4 am = 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	8 pm - Mld	Maximum
	24.0	6	0.05	0.07	0.07	0.05	0.05	0.04	0.068
2 2	24.0	6	0.04	0.04	0.04	0.05	0.06	0.06	0.064
3	24.0	6	0.06	0.07	0.07	0.05	0.06	0.06	0.071
4	24.0	6	0.07	0.07	0.08	0.06	0.06	0.06	0.077
6	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.055
6	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
7	24.0	6	0.07	0.07	0.07	0.06	0.06	0.05	0.071
8	21.5	6	0.05	0.05	0.05	0.05	0.06	0.07	0.069
9	24.0	6	0.10	0.10	0.09	0.06	0.06	0.08	0.099
10	24.0	6	0.11	0.10	0.09	0.05	0.05	0.05	0.105
11	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.060
12	24.0	6	0.06	0.06	0.05	0.05	0.05	0.07	0.066
13	24.0	6	0.06	0.07	0.06	0.05	0.08	0.05	0.078
14	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
16	24.0	6	0.06	0.07	0.07	0.05	0.06	0.07	0.069
18	20.0	5	0.09	0.10	0.09		0.06	0.06	0.097
17	24.0	6	0.06	0.06	0.06	0.06	0.05	0.06	0.064
18	24.0	6	0.07	0.07	0.06	0.05	0.06	0.06	0.072
19	23.5	6	0.07	0.08	0.07	0.06	0.05	0.06	0.077
20	24.0	6	0.06	0.06	0.06	0.06	0.06	0.08	0.078
21	24.0	6	0.08	0.08	0.07	0.06	0.06	0.07	0.084
22	20.0	5	0.07	0.08	0.07	0.07	0.05	0.06	0.082
23	24.0	6	0.07	0.07	0.06	0.05	0.05	0.06	0.073
24	24.0	6	0.08	0.08	0.07	0.05	0.06	0.08	0.077
25	24.0	6	0.09	0.11	0.10	0.06	0.06	0.09	0.108
26	23.0	6	0.12	0.12	0.12	0.06	0.05	0.05	0.123
27	23.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.058
28	24.0	6	0.06	0.07	0.07	0.05	0.05	0.06	0.068
29	24.0	6	0.07	0.09	0.09	0.06	0.06	0.07	0.092
30	24.0	6	0.07	0.09	0.07	0.06	0.06	0.08	0.090
31		0			,	<u> </u>		470	0.000
Tota		178				TAL # OF TURBIDITY	SAMPLES TAKEN	179	0.123
ARE	YOU USING EITH	IER CONVENTION	NAL or DIRECT FI	LTRATION? (Y/f	N) Y				
	mber of samples		0.1 NT	6	0.3 NT	0	1 NTU	0	-

For slow sand filtration, the number of samples exceeding ---> *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.

1 certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

Signature of Principal Executive Officer or Authorized Agent

	Al	PPLICABLE TO ALL	SURFACE WATER F	PLANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict		
PWS ID:		00273			
PLANT ID:	-	A 06/2	0045	ŧ	
Report Period (MM/YY	YY):		:015	9	
		e individual filter			
		t), complete the fo	ollowing and subi	mit	PAGE 9 OF 1
the appropriate r	eport(s).	Turbidity Reading	Trigger Level (see		Date and Time
Date	Filter Number	(NTU)	below)	Reason for Exceedance (if known)	State was Contacted
<ul><li>B. Any one filter h     at the end of the</li><li>C. Any one filter h     at any time in e</li><li>D. Any one filter h</li></ul>	as a measured turb e first 4 hours of ope as a measured turb ach of 3 consecutive as a measured turb ach of 2 consecutive	idity level of greater eration following a b idity level of greater e months. idity level of greater e months.	than 0.5 NTU in 2 co ackwash or return t than 1.0 NTU in 2 co than 2.0 NTU in 2 co	onsecutive measurements taken 15 mlr	nutes apart nutes apart nutes apart
For Trigger A.:	obvious reason for	the exceedance		ince and filter profile within 7 days of the e	
For Trigger B.:	obvious reason for	the exceedance		ince and filter profile within 7 days of the e	
For Trigger C.:	Filter number, the t	urbidity measurement		nnce and a filter self-assessment within 14	
For Trigger D.:	Filter number, the t	urbidity measurement king Water Branch no MAKE COPIES	later than 30 days fo	ince and arrange for a Comprehensive Pe offlowing the exceedance	rtormance Evaluation

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

Were measurements recorded every 15 minutes? (Y/N)  Was there a failure of the continuous monitoring equipment? (Y/N)  If Yes, (1) were individual filter effluent turbidity grab samples collected every four hours of operation? (Y/N)  (2) was the continuously monitoring equipment? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements? (Y/N)  Was individual filter level greater than 0.5 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in two consecutive months? (Y/N)  If any of the last 4 boxes are YES, fill out the Individual Filter Turbidity Sheet and submit with the MOR  COMBINED FILTER FEFFUENT TURBIDITY  APPLICABLE TO ALL PLANTS WITH FILTRATION  ANALYTE CODE 0100  Number of hours of plant operation 711.0  Were samples taken every 4 hours of plant operation? (Y/N)  Number of samples taken every 4 hours of plant operation? (Y/N)  Number of samples exceeded 0.1 NTU 6  Number of samples exceeded 0.1 NTU 70  Number of samples exceeded 0.3 NTU 70  Number of samples exceeded 0.3 NTU 70  Number of samples exceeded 1 NTU 70  Number of samples exceeded 1 NTU 70  Number of samples exceeded 1 NTU 70  Number of samples exceeded 5 NTU 70  Number of samples submit valid the filter flevel greater than 1.0 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Number of samples taken exceeded 5 NTU 70  Number of samples taken exceeded 5 N	PWS ID	KY0800273			MONITORING PERIOD (MMYY)	(Y) <b>06/2015</b>	
PLANT IN FORMATION APPLICABLE TO ALL PLANTS  PLANT NAME Martin County Water District AVE. DAILY PRODUCTION (gallons) 1,812,600  AGENCY INTEREST 2987 MAXIMUM PUMPAGE (gallons per day) 1,924,000  INDIVIDUAL FILTER EFFLUENT. TURBIDITY APPLICABLE TO ALL PLANTS WITH FILTRATION  ANALYTE CODE 0100  Was each filter monitored continuously? (Y/N) Were measurements recorded every 15 minutes? (Y/N) Was there a failure of the continuous by monitoring equipment? (Y/N)  If Yes, (1) were individual filter effluent turbidity grab samples collected every four hours of operation? (Y/N)  (2) was the continuously monitoring equipment repaired within 5 working days? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements after on line for more than four hours? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)  If any of the last 4 boxes are YES, fill out the individual Filter Turbidity Sheet and submit with the MOR  COMBINED FILTER EFFLUENT TURBIDITY  APPLICABLE TO ALL PLANTS WITH FILTRATION  ANALYTE CODE 0100  Number of hours of plant operation? (Y/N)  Were samples taken every 4 hours of plant operation? (Y/N)  Were samples taken every 4 hours of plant operation? (Y/N)  Number of samples exceeded 0.3 NTU 0  Number of samples exceeded 0.3 NTU	-		NOTE: COMPLE	TE ALL		THE FIELDS ARE	PRE-
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Highest single chlorine dioxide reading  Number of chlorine dioxide samples exceeded 0.8 mg/L  Number of chlorite samples exceeded 1 mg/L  Output  Display the samples exceeded 1 mg/L  Output  Display the samples exceeded 1 mg/L	Number of chlori	ine dioxide samples exce	eded 0.8 mg/L	0	Number of chlorite samples exceeded 1 m	ig/L	0

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the Information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

07/08/15

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

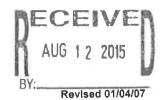
PWS ID	KY0800273			MONITO	RING PERIOD (	MMYYYY) 0	6/2015
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AI 2007				POPULATE	D FOR YOU!!!		
	PURCHAS	ED			so	LD	
	1000		LE TO AL	L WATER SYSTEM	S		
FROM WHOM	//? (PWS ID)	HOW MUCH? (gallo	ns)	TO WHOM?	(PWS ID)	HOW MUCH	l? (gallons)
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KY0980575			0				
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		DISTRIBUTION RES					
		APPLICA	BLE TO AL	L WATER SYSTEM	MS		
ANALYTE CODE	0999			Free Chlorine (for	all disinfactants	eveent chloramine	a)
Number of days of		g <u></u>	30				
	en each day of opera	ation? (Y/N)	Y		nples under 0.2 n		
Number of sample	s taken:		400	Total Chlorine (wh	ien disinfectant is nples under 0.5 n		
FREE			120	Number of San	ipies under 0.5 fi	ig/L	
TOTAL			120				
	E chlorine reading	***************************************	0.15				
Lowest single TOT	TAL chlorine reading		0.28				

Leartify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

02/08/15

Date



## KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONTH DEP Form 4012Re		07/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	Martin County Water Dis	PLANT ID: A	PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	Martin County Water District  DIST. CLASS: 2  08/06/2015  Martin
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REP	Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CHARGE  Earl T Alley  Michael Sartin  Timothy D Reed / Elbert Osborne  ORT MUST BE RECEIVED BY THE DIVISION		CLASS  1V-A  1V-A  1V-A / 11-A  OF WATER AND THE END OF THE	
TREATMENT PLANTS ( 1. DESIGN CAPACITY (gpm): 2. TYPE OF FILTRATION USE 3. DESIGN FILTRATION RATE 4. PERCENT BACKWASH WA	D:	1,667 Dual Me 2,66 1.4	dia	
DATE FLOCCULATION BA     DATE SETTLING BASIN(S)		#2 - 3/18/10 #	3 - 9/2/ 09	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibilty of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 08/0.5/2015

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 07/2015
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APPLICABLE TO ALL PLANTS

	RAW WATER	HOURS PLANT	COAGU	LANT	COAGL	COAGULANT		TMENT	DISINFECTANT		DISINFECTANT	
	TREATED	OPERATED					Pro		Pre		Por	
DAY	GALLONS		LB3	PPM	LBS	PPM	LBS	PPM	LB3	PPM	LBS	PPM
1	1,729,000	23.0	148.6	10.3	4.0	0.3			600.2	41.6	213.1	14.8
2	1,747,000	24.0	257.4	17.7	4,2	0.3			595.4	40.9	201.9	13.9
3	1,770,000	24.0	257.4	17.4	4.2	0,3			624.8	42.3	187.7	12.7
4	1,786,000	24.0	257.4	17.3	4.2	0.3			599.5	40.2	169.2	11.4
5	1,794,000	24.0	272.8	18.2	4.2	0.3			636.1	42.5	169.2	11.3
6	1,717,000	24.0	257.4	18.0	4.2	0.3			675.9	47.2	196.1	13.7
7	1,744,000	24.0	257.4	17.7	4.2	0.3			675.9	46.5	183.1	12.6
8	1,759,000	24.0	257.4	17.5	4.2	0.3			675.9	46.1	177.2	12.1
9	1,692,000	23.0	246.8	17.5	4.0	0.3			854.7	46,4	158.1	11.1
10	1,676,000	22.5	241.4	17.3	3.9	0.3			642.4	46.0	167.4	12.0
11	1,751,000	24.0	257.4	17.6	4.2	0.3			677.1	46.4	169.2	11.6
12	1,777,000	24.0	257.4	17.4	4.2	0.3			679.9	45.9	183,1	12.4
13	1,688,000	23 0	246.8	17.8	40	0.3			651.0	46.9	174.7	12.6
14	1,604,000	22.0	236.1	17.6	3.9	0.3			619.0	46.3	167.9	12.6
15	1,753,000	24.0	330.6	22.6	4.2	0,3			735.1	50.3	183.1	12.5
16	1,736,000	24.0	330.6	22.8	4.2	0.3			766.9	53.0	183.1	12.6
17	1,772,000	24.0	330.6	22.4	4.2	0.3			770.9	52.2	192.5	13.0
18	1,772,000	23,0	316.8	21.4	4.0	0.3	1		679.3	46.0	166.5	11.3
19	1,777,000	24.0	330.6	22.3	4.2	0.3			680 7	45.9	173.6	11.7
20	1,715,000	24.0	330.6	23.1	4.2	0.3			687.9	48.1	162.3	11.3
21	1,723,000	24.0	330.6	23 0	4.2	0.3			687.9	47.9	168.9	11.8
22	1,785,000	24.0	330.8	22.5	4.2	0.3			608.8	41.4	147.0	10,0
23	1,717,000	24.0	330.6	23.1	4.2	0.3			606.0	42.3	163.2	11.4
24	1,380,000	19.0	261.8	22.7	3.3	0.3			533.5	46.4	135.4	11.8
25	1,754,000	24.0	330.6	22,6	4.2	0.3			705.7	48.2	169.2	11.6
	1,826,000	24.0	330,6	21.7	4.2	0.3			705.5	46.3	169.2	11.1
26 27	1,771,000	24.0	330.6	22.4	4.2	0.3			679.1	46.0	178.8	12.1
28	1,804,000	24.0	330.6	22.0	4.2	0.3			679.0	45.1	192.5	12.8
29	1,748,000	24.0	224.2	15.4	4.2	0.3			698.8	47.9	213.1	14.6
30	1,730,000	24.0	224.2	15.5	4.2	0.3			772.4	53.5	260,9	18.1
31	1,671,000	23.0	214.8	15.4	4.0	0.3			737.4	52.9	250.0	17.8
	53,626,000		8660.7		127.7		0.0		20742.7		5825.2	
TOTAL			279.4	19.4	4.1	0.3	#DIV/01	#DIV/01	669.1	46.4	181,5	12.6

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 07/2015

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D.XXX	Tra	100 V	dulla ne	Carlotte St		CH	EMICALS ACCIO	MINIS LUS					THE STREET, STREET,	
	DISINFEC	TANT	FLUOR	IDE	CARBO	NC	pH ADJU	STMENT	KMi	104	CORRO		H29:	<u> </u>
							Pos	it						
DAY	LBS	PPM	LBS	PPM	LB8	PPM	L88	PPM	LB8	PPM	LBS	PPM	LBS	PPM
1	813.3	58,4	58.4	4.0					24,4	1.7				
2	797.3	54.7	60.9	4.2					25.4	1.7				
3	812.5	55.0	60.9	4.1					25.4	1.7				
4	788.7	51.6	60.9	4.1					25.4	1.7				
5	805.3	53.8	60.9	4.1					25.4	1.7				
6	872.0	60.9	60,9	4.3					25.4	1.8				
7	859.0	59.1	60.9	4.2					25.4	1.7				
8	853 1	58 2	60.9	4.2					25.4	1.7				
0	810.8	57.5	58.4	4.1					24.4	1.7				
10	809.8	57.9	57.2	4.1					23 9	1.7				
11	846.3	58.0	60.9	4.2					25.4	1.7				
12	859.0	58.0	60.9	4.1										
13	828.0	59.4	58.4	4.2										
14	786.9	58.8	55.9	4.2	203 7	15.2								
15	918.2	82.8	60.9	4.2	222 1	15.2								
10	950.0	85.6	60.9	4.2	222.1	15.3								
17	963.4	65.2	60.9	4.1	222 1	15.0								
10	845.8	57.2	58.4	4.0	212.8	14.4								
19	854.3	57.6	60.9	4.1	222 1	15.0								
20	850.2	59.4	80.9	4.3	222.1	15.5								
21	858.8	59.6	80.9	4.2	222.1	15.5					-			
22	755.8	51.3	60.9	4.1	222.1	15.1								
23	769.2	53.7	60.9	4.3										
24	668.9	58.1	48.3	4.2										
25	874.9	59.8	60.9	4.2						-	-			
26	874.7	57.4	60.9	4.0										
27	857.9	58.1	60.9	4.1	101.9	8.9				-				
28	871.5	57.9	60.9	4.0	222.1	14.8								
29	911.9	62.6	60.9	4.2	222.1	15.2								
30	1033.3	71.8	60.9	4.2	222.1	15.4								
31	987.4	70.9	58.4	4.2	213.0	15.3								
TOTAL			1,854.1		2,952.4		0.0		275.9		0.0		0.0	
AVERAG		59.0	59.8	4.1	210.9	14.6	#DIV/01	#DIV/01	25.1	1.7	#DIV/01	#DIV/0I	#DIV/01	#DIV/0I

APPLICABLE TO ALL PLANTS

PW8 ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

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1000 M	03 8 M	Service of	Marine S. A.	STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY	ANALYTIC	AL RESULTS	(mg/L OR F	PM UNLESS			) - July			
		рн		TO1		TOT HARD		TOP		PLA			TURBIDITY	
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
REPER	7.59	7.74	7.58	162	158	198	195	0.79	0.63	1.89	1.78	5.64	0.20	0.07
2	7.62	7.76	7.60	166	160	198	196	0.68	0.51	1.87	1.74	8.04	0.24	0.07
3	7.64	7.75	7.59	145	143	195	190	0.90	0.74	1,92	1.80	15.90	0.22	0.05
4	7.58	7.66	7.53	155	153	195	198	0.73	0.57	1.81	1.69	13.90	0.18	0.06
6	7.52	7.58	7.48	132	134	183	186	0.66	0.51	1.74	1.64	39.10	0.19	0.08
6	7.48	7.58	7.39	145	140	178	172	0.71	0.53	1.87	1.73	25.50	0.22	0.05
4	7.47	7.60	7.41	145	143	182	176	0.82	0.67	1.99	1.86	14.40	0.23	0.05
8	7.47	7.58	7.45	130	135	185	180	0.93	0.75	1.93	1.82	12.80	0.21	0.07
9	7.53	7.59	7.42	144	141	183	177	0.96	0.76	1.95	1.81	11.50	0.23	0.07
10	7.43	7.55	7.41	148	142	178	176	0.69	0.51	1.87	1.75	8.69	0.20	0.07
11	7.50	7.60	7.49	135	126	168	165	0.79	0.65	1.91	1.80	14.50	0.22	0.07
12	7.48	7.52	7.44	116	115	174	182	0.74	0.60	1.91	1.78	14.50	0.21	0.09
13	7.44	7.53	7.41	140	135	170	168	0.79	0.65	1.95	1.84	14.80	0.26	0.11
14	7.36	7.54	7.42	125	122	167	165	0.65	0.49	1.82	1.69	11.40	0.41	0.12
15	7.36	7.39	7.34	120	115	153	150	0.75	0.59	1.87	1.77	35.00	0.39	0.13
16	7.29	7.38	7.27	100	105	120	118	0.73	0.59	1.88	1.79	33.60	0.43	0.14
17	7.29	7.42	7.36	120	116	130	125	0.85	0.70	1.95	1.85	26.00	0.49	0.12
18	7.12	7.40	7.32	100	105	130	125	1.02	0.90	1.98	1.89	20.00	0.38	0.10
19	7.40	7.42	7.33	86	91	126	122	0.89	0.77	1.94	1.86	16.70	0.32	0.10
20	7.31	7.40	7.34	110	106	130	125	0.94	0.80	1.89	1.78	14.40	0.37	0.13
21	7.42	7.42	7.36	98	95	125	119	1.04	0.91	2.00	1.92	12.60	0.24	0.11
22	7.28	7.34	7.27	86	90	135	130	1.03	0.91	1.89	1.80	10.80	0.20	0.09
23	7.23	7.37	7.30	100	98	120	125	1.00	0.89	1.94	1.82	10.20	0.21	0.08
24	7.04	7.29	7.21	85	88	130	125	0.67	0.54	1.94	1.79	10.00	19.00	0.07
25	7.52	7.59	7.39	90	87	120	117	0.77	0.63	1.88	1.77	6.62	0.61	0.14
26	7.80	7.72	7.55	76	74	114	119	0.93	0.77	1,84	1.73	7.48	0.36	0.13
27	7.58	7.72	7.54	98	92	120	115	0.95	0.77	1.90	1.77	3.78	0.45	0.13
28	7.55	7.61	7.48	83	85	115	110	0.67	0.52	1.85	1.75	5.26	0.32	0.11
29	7.51	7.60	7.46	97	95	115	112	0.64	0.48	1.89	1.78	7.27	0.44	0.12
30	7.52	7.47	7.39	92	88	115	110	0.55	0.40	1.88	1.77	7.52	0.47	0.09
31	7.61	7.58	7.45	71	78	114	121	0.74	0.59	1.94	1.86	7.39	0.33	0.10
AVERAG	7.4	7.5	7.4	116	115	151	148	0.81	0.66	1.90	1.79	14.36	0.91	0.09

## OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID :

KY0800273

2987

KENTUCKY DIVISION OF WATER

REPORT MONTH/YEAR:

07/2015

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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	AND ALLES	Contractory	S. Harris	SEC. N	Say Dec	ANA	LYTICAL R	ESULTS (N	TU)	E H S	Maria Suy		Serving"		157676
	RAW		SEDIME		ASIN EFFL	UENT					L FILTER E				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	DAILY MA	W4	#5	#6	#1	#2	W3	#4	#5	#6	#7	MAXIMUM
	5.64		0.18	0.41						0.06	0.06	0.11	0.03		0.10
2	8.04		0.17	0.46						0.06	0.05	0.11	0.08		0.09
	15.90		0.21	0.42						0.08	0.07	0.07	0.04		0.06
3	13.90		0.13	0.37						0.07	0.06	0.07	0.03		0.07
4	39.10		0.13	0.53						0.07	0.06	0.12	0.03		0.10
5			0.13	0.58						0.06	0.06	0.11	0.07		0.09
6	25.50		0.13	0.64						0.06	0.05	0.05	0.02		0.06
7	14.40		0.13	0.45						0.10	0.09	0.07	0.02		0.09
8	12.80		0.19	0.53						0.06	0.05	0.10	0.05		0.10
9	11.50			0.53						0.06	0.05	0.09	0.03		0.08
10	8.69		0.14	0.55						0.06	0.06	0.09	0.03		0.11
11	14.50		0.10	0.57						0.06	0.06	0.12	0.03		0.14
12	14.50		0.19	0.59						0.06	0.06	0.12	0.07		0.16
13	11.40		0.40	0.79						0.06	0.06	0.09	0.05		0.18
14	35.00		0.40	0.90						0.06	0.06	0.16	0.14		0.22
16	33.60		0.18	0.93						0.07	0.06	0.14	0.03		0.26
16	26.00		0.28	1.45						0.06	0.06	0.17	0.32		0.23
17	20.00		0.18	1.35						0.06	0.05	0.13	0.07		0.19
18	16.70		0.16	0.86						0.05	0.05	0.11	0.03		0.15
19	14.40		0.33	1.08						0.06	0.06	0.17	0.04		0.20
21	12.60		0.18	0.47						0.06	0.05	0.09	0.03		0.14
22	10.80		0.25	0.44						0.06	0.05	0.08	0.03		0.12
23	10.20		0.19	0.41						0.06	0.05	0.11	0.04		0.11
24	10.00		0.43	0.61						0.06	0.05	0.15	0.04		0.15
25	6.62		1.35	1.87						0.08	0.07	0.17	0.06		0.30
26	7.48		0.44	0.59						0.11	0.09	0.14	0.09		0.18
27	3.78		0.70	0.98						0.09	0.08	0.15	0.12		0.19
28	5.26		0.37	0.74						0.08	0.08	0.30	0.12		0.20
29	7.27		0.43	1.04						0.08	0.08	0.37	0.13		0,24
30	7.52		0.25	1.37						0.07	0.06	0.48	0.10		0.23
31	7.39		0.31	1.13						0.09	0.08	0.37	0.07		0.16
AVERA		#DIV/01	0.3	1	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0.06	0.15	0.07	#DIV/0!	0.15

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : PLANT ID: KY0800273 Α

OF

07/2015 REPORT MONTH/YEAR:

PAGE

		togeth water un	WERDEN.		win webs		ATION: TATOLOG		SALES FAR		
	TOTAL	No:	3	No:	4	No:	5 160	No: AREA (square feet)	180	No: AREA (square feet)	
	WASH WATER	WASHWATER	100 FILT RUN	WABHWATER	160 FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLON8	HRB	GALLONS	HRS	GALLONS	HRS	GALLONS	HRS	GALLONS	HR8
1	0										
2	41,000					21,000	70.00	20,000	70.00		
3	29,000	14,000	110.50	15,000	110.50						
4	0										
6	0										
6	41,000					21,000	79.40	20,000	79.50		
7	30,000	15,000	98.40	15,000	98.40						
8	0										
9	44,000					22,000	85.90	22,000	85.90		
10	0										
11	30,000	15,000	74.70	15,000	74.30						
12	0										
13	40,000					20,000	83.00	20,000	83.00		
14	0										
15	45.000					22,000	46.60	23,000	46.60		
16	34,000	17,000	118.70	17,000	116.90						
17	45.000					23,000	42,30	22,000	42.30		
18	41,000					21,000	37.80	20,000	37.80		
19	0										
20	30,000	15,000	95.20	15,000	95.00						
21	0										
22	0										
23	44,000					22,000	117.60	22,000	117.60		
24	0										
25	33,000	16,000	136.90	17,000	136.90						
26	0	,,,,,									
27	44,000					22,000	96.10	22,000	96.70		
28	0										
29	88,000					44,000	45.40	44,000	47.10		
30	43,000					22,000	22.40	21,000	22.40		
31	44,000	16,000	130.30	16,000	130.30	12,000	21.20				
			764.70		762.30	272,000	747.70	256,000	728.90	0	0.00
TOTAL	746,000	108,000					62.308		66.264		#DIV/0
AVERAGE	24,065	15,429	109.243	15,714	108.900	22,007	02.308	23,213	1 00.204	#514/0:	I WOITH

**COPY AS NEEDED** 

PWSID: ____

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

07/2015

	*Please ans	wer Y/N que	stion below							5 OF	11
	FLUO	RIDE		ON CONTRACTOR		GANESE	ESS OTHERWIS	SE SPECIFIED	Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1	0.26	1.38	0.14	0.02	0.19	0.01			1.65	0.5	26.0
2	0.17	0.92	0.15	0.01	0.18	0.01			1.70	0.0	25.8
3	0.09	1.09	0.26	0.01	0.21	0.01			1.70	1.4	25.3
4	0.05	0.90	0.31	0.02	0.20	0.00			1.60	0.9	25.2
5	0.00	0.79	0.62	0.00	0.33	0.00			1.65	0.1	24.5
6	0.01	1.00	0.47	0.02	0.26	0.01			1.65	0.1	24.7
7	0.13	1.09	0.29	0.03	0.20	0.01			1.80	0.1	24.6
8	0.09	1.25	0.22	0.02	0.16	0.01			1.65	0.3	24.6
9	0.18	0.96	0.24	0.03	0.15	0.01			1.80	0.0	24.3
10	0.17	0.98	0.16	0.01	0.14	0.01			1.65	1.3	25.0
11	0.12	0.84	0.21	0.01	0.16	0.00			1.65	0.6	24.5
12	0.13	0.76	0.34	0.00	0.12	0.00			1.60	0.0	24.0
13	0.16	0.89	0.20	0.01	0.17	0.00			1.50	0.5	24.3
14	0.18	0.79	0.19	0.00	0.16	0.02			1.65	1.1	24.6
15	0.00	0.78	0.45	0.01	0.25	0.00			1.65	0.6	24.2
16	0.00	0.92	0.39	0.00	0.22	0.00			1.60	0.0	24.0
17	0.00	0.88	0.47	0.02	0.10	0.00			1.75	0.0	25.1
18	0.03	0.88	0.42	0.01	0.17	0.01			1.75	0.2	26.2
19	0.10	0.82	0.41	0.03	0.12	0.00			1.70	0.1	23.8
20	0.03	0.80	0.27	0.01	0.11	0.01			1.65	0.5	29.5
21	0.12	0.87	0.19	0.02	0.09	0.00			1.65	0.3	24.2
22	0.08	0.69	0.20	0.00	0.16	0.01			1.65	0.0	24.2
23	0.12	0.90	0.19	0.01	0.08	0.00			1.65	0.0	24.8
24	0.16	0.93	0.24	0.00	0.05	0.00			1.70	0.0	27.1
25	0.10	0.89	0.17	0.00	0.07	0.01			1.60	0.0	27.6
26	0.13	0.87	0.25	0.00	0.09	0.00			1.55	0.0	27.8
27	0.26	0.87	0.14	0.01	0.05	0.01			1.60	0.0	28.1
28	0.13	0.93	0.15	0.00	0.05	0.00			1.60	0.6	28.8
29	0.16	1.21	0.30	0.00	0.09	0.01			1.65	0.0	28.7
30	0.17	0.81	0.18	0.01	0.10	0.01			1.55	0.0	29.9
31	0.13	0.93	0.20	0.00	0.11	0.00			1.60	0.0	30.1
AVERAGE		0.92	0.27	0.01	0.15	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	25.9
								VA A ANG E	1,50		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
							For Free Ch	of readings nlorine, # less .2 mg/L	0	8.99	

For Chloramines, # less than 0.5 mg/L ALL WATER SYSTEMS

Total # Less than 0.5 mg/L

PWS ID: KY0800273 PLANT ID:

N

07/2015 REPORT MONTH/YEAR:

OF 11 PAGE DISTRIBUTION SYSTEM OPERATION TEST RESULTS TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHLORINE WEST BOOSTER NORTH SOUTH EAST BOOSTER DAY LB# LBS 0.94 1.09 0.99 0.86 1.04 0.98 1.49 1.38 1.11 1.01 1.13 1.03 1.10 0.91 0.71 0.88 0.89 1.31 1.24 1.16 1.08 0.75 1.28 1.35 0.65 0.53 1.48 1.33 1.40 1.25 1.19 1.33 0.86 0.98 0.84 0.95 0.95 1.09 1.04 0.88 1.16 0.99 0.91 1.15 1.02 1.23 1.12 0.99 1:07 1.24 1.15 1.30 1.21 1.11 1,09 1,02 0.74 0.58 1.12 0.87 0.78 1.01 0.86 1.28 1.20 1.29 1.25 1.17 1.01 1,26 1.14 1.40 1.23 0.69 1.27 1.19 1.34 1.02 0.79 10 1.16 1.16 1.27 1.09 1.50 1.35 1.31 1.37 1.26 11 0.80 0.63 1.22 1.15 0.95 0.78 1.10 0.96 12 0.52 1.51 1.34 0.71 0.88 1.45 1.28 1.04 13 1.47 1.33 1.47 1.41 1.43 1.35 1.11 1.07 14 0.38 0.30 0.28 0.94 1.04 1,57 1.49 0.31 15 1.41 1.35 0.91 0.74 1.44 1.24 1.28 1.09 16 0.26 1.28 1.13 1.84 1.53 1.49 1.39 0.40 17 0.39 1.60 1.58 0.47 1.15 0.88 1.23 18 0.98 1.38 1.28 1.26 1.19 1,27 1,10 1.03 1.08 19 0.90 0.76 1.38 1.21 1.29 1.41 1.34 1.55 20 1.53 1.54 1.45 1.18 1.56 1.34 1.29 1.23 21 1.09 1.22 1.44 1.36 1.55 1.42 1.34 1.28 22 1.07 1.14 1.26 1.14 1.24 1.19 0.92 0.75 23 0.76 0.79 1.40 1.32 1.32 1.26 0.81 0.85 24 1.47 1.45 1.60 0.30 0.22 1.53 1.10 1,02 1.09 1.26 1.10 0.45 0.34 0.98 0.82 1.26 26 1.04 0.98 1.22 1.12 1.39 1.34 1.24 27 1.35 1.39 1.39 1.32 1.05 0.94 1.44 1.01 0.88 28 0.75 0.67 1.42 1.36 1.22 1.42 1.37 1.35 1.19 0.93 0.82 1.18 1.30 1.39 1.17 0.94 1.12 0.81 0.67 1.11 0.94 1.53 1.39 1.33 31 1.09 1.16 1.04 1.01 1.20 #DIV/0I #DIV/0 1.21 1.10 1.12 VERAGE rerege. 0.31 0.38 0.0 0.85 0 30 0.0 TOTAL 0.28 0.30 0.71 0.22 31

31 31 31 31 Total # Chlorine Samples Less than 0.2 mg/L/0.5 mg/L um Monthly Free Residual
Minimum Monthly Total
Residual 0.22 Number of Free Residuals 124 0.30 Disinfectant Chloramines? (Y/N) 124 Number of Total Residuals Number of days of operation? 31 Total # Lass than 0.2 mg/L 0

						PWS ID :	KY080	00273				
	TURBIDITY I	REPORT				PLANT ID:	<i>F</i>	4				
m: 110	OSSIBISCARRIVATION	BLE TO ALL PL	ANTS WITH FI		Report Period	(MM/YYYY):	07/2	2015	PAGE: 8 OF <u>11</u>			
DAY	Name:	Marun # of Turbidity	County Water	District				Carlos Salvers	Dally			
UAT	Operated	Samples Required*	Mid-4 am	4 am - 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	0 pm - Mid	Maximum			
1	23.0	6	0.08	0.10	0.08	0.06	0.06	0.07	0.096			
2	24.0	6	0.08	0.09	0.09	0.09	0.09	0.06	0.089			
3_	24.0	6	0.06	0.06	0.05	0.05	0.05	0.06	0.061			
4	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.068			
51	24.0	6	0.10	0.10	0.10	0.07	0.07	0.07	0.104			
6	24.0	6	0.09	0.06	0.06	0.05	0.05	0.05	0.090			
7	24.0	6	0.05	0.06	0.06	0.05	0.05	0.06	0.057			
8	24.0	6	0.08	0.09	0.08	0.06	0.07	0.07	0.085			
9	23.0	6	0.09	0.10	0.09	0.06	0.07	0.07	0.099			
10	22.5	6	0.06	0.07	0.08	0.06	0.06	0.07	0.082			
11	24.0	6	0.07	0.11	0.10	0.07	0.07	0.08	0.106			
12	24.0	6	0.13	0.14	0.14	0.09	0.08	0.10	0.139			
13	23.0	6	0.10	0.16	0.10	0.08	0.16	0.11	0.157			
- 14	22.0	6	0.13	0.15	0.18	0.10	0.10	0.15	0.179			
16	24.0	6	0.16	0.22	0.10	0.07	0.07	0.07	0.220			
16	24.0	6	0.11	0.26	0.21	0.12	0.13	0.16	0.255			
17	24.0	6	0.23	0.13	0.11	0.09	0.13	0.10	0.233			
18	23.0	6	0.10	0.10	0.12	0.13	0.19	0.11	0.187			
19	24.0	6	0.11	0.15	0.12	0.12	0.10	0.08	0.147			
20	24.0	6	0.11	0.18	0.20	0.12	0.11	0.12	0.199			
21	24.0	6	0.14	0.13	0.11	0.10	0.10	0.11	0.143			
22	24.0	6	0.12	0.11	0.10	0.08	0.08	0.09	0.124			
23	24.0	6	0.09	0.11	0.10	0.08	0.10	0.07	0.114			
24	19.0	5	0.15	0.07	0.07	0.07		0.07	0.146			
25	24.0	6	0.30	0.17	0.18	0.10	0.10	0.14	0.304			
26	24.0	6	0.16	0.18	0.15	0.10	0.11	0.17	0.176			
27	24.0	6	0.17	0.19	0.15	0.11	0.11	0.18	0.192			
20	24.0	6	0.17	0.14	0.12	0.10	0.13	0.20	0.204			
23	24.0	6	0.20	0.15	0.13	0.10	0.12	0.24	0.237			
30	24.0	6	0.14	0.10	0.09	0.08	0.10	0.23	0.226			
31	23.0	6	0.16	0.11	0.10	0.09	0.12	0.09	0.163			
Tota	730.5	185			TO	TAL # OF TURBIDITY	BAMPLES TAKEN	185	0.304			
	ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N)  (Any type of filtration besides allow sand)											
Number of samples exceeding> 0.1 NTU 87 0.3 NTU 1 1 NTU 0												
	For slow sand f	litration, the numb	er of samples ex	ceeding>	1 NTU		5 NTU		-			
	TE: The "Number the next whole r		oles Required" is	the number of h	ours the plant oper	rated divided by	4 rounded					
l ce	rtify that the abo	ve turbidity readi	ngs were taken	every 4 hours	during plant opera	ation and in the	time frames not	ed above.	ā			
	Signature of Principal Executive Officer or Authorized Agent  Date											

	A)	PPLICABLE TO ALL	SURFACE WATER F	PLANTS WITH FILTRATION	of market and a post
INDIVIDUAL FILT	ER TURBIDITY E	KCEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict		
PWS ID:		00273			
PLANT ID:		۹ ۱۳ <i>۱</i> :	2015	6	
Report Period (MM/YY					
		e individual filter			
(also listed on the		t), complete the f	ollowing and sub-	TILL	PAGE 9 OF
the appropriate i	eport(s):	Turbidity Reading	Trigger Level (see		Date and Time
Date	Filter Number	(NTU)	below)	Reason for Exceedance (if known)	State was Contacted
	-			)) ())	
	1				
B. Any one filter hat the end of the C. Any one filter hat any time in a D. Any one filter h	nas a measured turb le first 4 hours of op- nas a measured turb leach of 3 consecutiv	idity level of greater eration following a b idity level of greater e months. idity level of greater	than 0.5 NTU in 2 co eackwash or return t than 1.0 NTU in 2 co	onsecutive measurements taken 15 minut onsecutive measurements taken 15 minut o service. onsecutive measurements taken 15 minut onsecutive measurements taken 15 minut	es apart
Report Required: For Trigger A.:			t, the date of exceeda	ince and filter profile within 7 days of the exc	eedance, if no
For Trigger B.:	obvious reason for Filter number, the t obvious reason for	urbidity measurement	t, the date of exceeda	nce and filter profile within 7 days of the exc	eedance, If no
For Trigger C.:	Filter number, the t	urbidity measuremen		nnce and a filter self-assessment within 14 da	
For Trigger D.:	Filter number, the t	urbidity measuremen king Water Branch no MAKE COPIES	o later than 30 days fo	nce and arrange for a Comprehensive Perfo ollowing the exceedance	rmance Evaluation

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MM)	yyyy) <b>07/2015</b>
-		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL	OF THE FIELDS ARE PRE-
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	All A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Div.	NET INE	POPULATED FOR YOU!!! DRMATION	Marinismos Education Control
(日東京)(金丁/三 1/201/A三1	ACTOR DE L'ANNE DE L'ANNE			O ALL PLANTS	CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CALIFORNIA DE CA
PLANTID A			TO	TAL WATER TREATED (gallons)	53,626,000
PLANT NAME	Martin County V	later District	-	E. DAILY PRODUCTION (gallons)	1,729,871
AGENCY INTERI	EST		MA	XIMUM PUMPAGE (gallons per day)	1,826,000
		INDIVIDUAL F	ILTER E	FFLUENT TURBIDITY ANTS WITH FILTRATION	
Were measurement was there a failure of Yes, (1) we (2) was was individual fill was individual fill was individual fill of any of the last	conitored continuously? (\ ents recorded every 15 m re of the continuous mon- ere individual filter effluen as the continuously monit ter level greater than 1.0 ter level greater than 0.5 ter level greater than 1.0 ter level greater than 2.0 ter level greater than 2.0 ter level greater than 2.0	r/N) inutes? (Y/N) itoring equipment? (\(\) it turbidity grab sample oring equipment repaed NTU in two consecute NTU in two consecute NTU in two consecute NTU in two consecute NTU in two consecute NTU in two consecute It the Individual File	(/N) es collectired withing the meas ive  ted every four hours of operation? (Y/N) in 5 working days? (Y/N) urements? (Y/N) urements after on line for more than four urements in three consecutive months? urements in two consecutive months? (Y dity Sheet and submit with the MOR	(Y/N) N (Y/N) N (Y/N) N	
	IBINED FILTER EFFLUE ABLE TO ALL PLANTS		Marine State	ENTRY POINT RESIDUAL DISINFE APPLICABLE TO A	LL PLANTS
Were samples ta Number of sampl Highest single tu For all filtration en Number of sa Number of sa Number of sa When filtration is Number of sa	of plant operation ken every 4 hours of plantes taken	J	730.5 Y 185 0.30 87 1 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of opera Number of lowest chlorine samples rece Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disinfectants exce Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chl Number of samples under 0.5 mg/L	f plant operation? (Y/N) ppt chloromine):
CHLOR	INE DIOXIDE ENTRY PO E TO PLANTS UTILIZIN	JINT MONITORING G CHLORINE DIOX	IDE	CHLORITE ENTRY POIL APPLICABLE TO PLANTS UTILIZ	NT MONITORING ZING CHLORINE DIOXIDE
ANALYTE CODE Number of days Were samples to Number of samp Highest single cl	e 1008 of plant operation aken each day of operation	on? (Y/N)	31 0 0.00	ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation  Number of samples taken  Highest single chlorite reading  Number of chlorite samples exceeded	0.00

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

08/05/2015

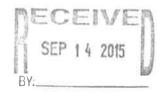
# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273				ORING PERIOD (		
AI 2987		NOTE: COMPL	ETE ALL	APPLICABLE F	IELDS!!! NOT A	LL OF THE FIELDS	ARE PRE-
	100 000 000			POPULAT	ED FOR YOU!!!		-CONTRACTOR OF
Marin Solida	PURCHASE		E TO ALL	WATER SYSTE	MC SO	UD THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF TH	
EDOM WHO	DM? (PWS ID)	HOW MUCH? (gallor		TO WHOM	1? (PWS ID)	HOW MUCH? (ga	allons)
WV3303003	DIMIT (F VVO ID)		3,321				
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KY0980575			<u> </u>				
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		APPLICAE	BLE TO AL	L WATER SYSTI	EMS		
ANALYTE COD				Eron Chlorina (fo	or all disinfactants	except chloramine)	
Number of days			31	Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of th	amples under 0.2 r		0
	aken each day of operat	uony (Y/N)	Y		when disinfectant is	***************************************	-
Number of samp			124		when disinfectant is amples under 0.5 r		
FREE			124	Hamber of Se	ampies allast els l		
TOTAL	REE chlorine reading	•••••	0.22				
	OTAL chlorine reading		0.30				
Lowest single 1	OTAL CHIOTHE TEAUTING	***************************************	3.55				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Nuthorized Agent

08/05/2015



### KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONTI	H & YEAR (mm/yyyy) 08/20	015 with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	KY0800273 PLAI  Martin County Water District  2987  Crum Reservoir	PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	- / /
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION:	Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CHEARI T Alley  Michael Sartin  Timothy D Reed / Elbert Osborn  ORT MUST BE RECEIVED BY THE	1V-A 1V-A 1V-A / 11-A DIVISION OF WATER AN	
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm):  2. TYPE OF FILTRATION USE  3. DESIGN FILTRATION RATION  4. PERCENT BACKWASH WA	E (gpn/sq, ft.):	1,667  Dual Media  2.66  1.3	HE MONTH.
DATE FLOCCULATION BA     DATE SETTLING BASIN(S)		3/18/10 #3 - 9/2/ 09	-

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possiblity of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 09/08/15

PWS ID : PLANT ID:

1

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

PAGE

08/2015 OF 11

	RAW WATER	HOURS PLANT	COAG	ULANT	COAG	ULANT	pH ADJU	STMENT	DISINFE	CTANT	DISINFE	CTANT
	TREATED	OPERATED					Pr	~	Pr		Po	st
DAY	GALLONS		L98	PPM	LBS	PPM	LBS	PPM	LB8	PPM	LBS	PPM
1	1,728,000	24.0	224.2	15.6	4.2	0.3			717.5	49.8	201.9	14.0
2	1,665,000	24.0	292.9	21.1	4.2	0.3			716.7	51.6	203.7	14.7
3	1,690,000	24.0	292.9	20.8	4.2	0.3			775.0	55.0	192.5	13.7
4	1,637,000	24.0	292.9	21.5	4.2	0.3			853.8	62.5	192.5	14.1
5	1,716,000	24.0	292.9	20.5	4.2	0.3			893.9	62.5	201.9	14.1
6	1,726,000	24.0	249.9	17.4	4.2	0.3			827.5	57.5	183.1	12.7
7	1,781,000	24.0	224.2	15.1	4.2	0.3			831.3	56.0	190.6	12.8
8	1,772,000	24.0	224.2	15.2	4.2	0.3			876.7	59.3	191.9	13.0
9	1,749,000	24.0	224.2	15.4	4.2	0.3			887.8	60.9	191.9	13.2
10	1,739,000	24.0	224.2	15.5	4.2	0.3			825.9	56.9	183.1	12.6
11	1,731,000	24.0	224.2	15.5	4.2	0.3			865.2	59.9	191.9	13.3
12	1,776,000	24.0	178.1	12.0	4.2	0.3			875.0	59.1	183.1	12.4
13	1,773,000	24.0	155.0	10.5	4.2	0.3			870.2	58.8	183.1	12.4
14	1,733,000	22,5	145.4	10.1	3.9	0.3			823.7	57.0	179.2	12.4
15	1,773,000	24.0	155.0	10.5	4.2	0.3			944.7	63.9	159.8	10.8
16	1,816,000	24.0	155.0	10.2	4.2	0.3			862.9	57.0	166.2	11.0
17	1,704,000	24.0	155.0	10.9	4.2	0.3			846.5	59.6	162.7	11.4
18	1,793,000	24.0	155.0	10.4	4.2	0.3			779.9	52.2	166.2	11.1
19	1,757,000	24.0	155.0	10.6	4.2	0.3			795.7	54.3	159.8	10.9
20	1,791,000	24.0	155,0	10.4	4.2	0.3			784.5	52.5	185.8	12.5
21	1,753,000	24.0	155.0	10.6	4.2	0.3			815.9	55.8	183.1	12.5
22	1,790,000	24.0	155.0	10.4	4.2	0.3			837.0	56.1	183.2	12.3
23	1,787,000	24.0	155.0	10.4	4.2	0.3			868.2	58.3	196.1	13.2
24	1,793,000	24.0	155.0	10.4	4.2	0.3			868.2	58.1	196.1	13,1
25	1,835,000	24.0	155.0	10.1	4.2	0.3			876.4	57.3	203.7	13.3
26	1,790,000	24.0	155.0	10.4	4.2	0.3			868.4	58.2	174.4	11.7
27	1,790,000	24.0	155.0	10.4	4.2	0.3			802.7	53.8	155.8	10.4
28	1,819,000	24.0	155.0	10.2	4.2	0.3			774.5	51.1	174.2	11.5
29	1,809,000	24.0	155.0	10.3	4.2	0.3			765.5	50.7	169.5	11.2
30	1,860,000	24.0	155.0	10.0	4.2	0.3			778,6	50.2	166.6	10.7
31	1,815,000	24.0	155.0	10.2	4.2	0.3			810.2	53.5	183.1	12.1
TOTAL	54,691,000		5880.3		129.9		0.0		25720.0		5657.7	
AVERAGE	1,764,226		189.7	13.0	4.2	0.3	#DIV/0I	#DIV/01	829.7	56.4	182.5	12.4

MAX

1,860,000

### APPLICABLE TO ALL PLANTS

PW8 ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 08/2015

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	Septembry)	do transfer					EMICALS ADDE	USTMENT	KMn	0	CORRO	SION	H20	2
	DISINFE	CTANT	FLUOI	RIDE	CARE	ION	римол	Ja I ME/II	Commi	04	INHIBI			
							Po	et			- 1			
DAY	LBS	PPM	LB8	PPM	LB8	PPM	LBS	PPM	1.88	PPM	L88	PPM	LB8	РРМ
m M	919.4	63.8	60.9	4.2	222.1	15.4								_
2	920.4	66.3	60.9	4.4	222.1	16.0								
3	967.5	68.6	60,9	4.3	222.1	15.8								
4	1046.3	76.6	60.9	4.5	208.4	15.3								
6	1095.8	76.6	80.9	4.3	157.4	11.0			18.0	1.3				
6	1010.6	70.2	60.9	4.2	222.1	15.4			25.4	1.8				
7	1021.9	68.8	80.9	4:1	222.1	15.0			25.4	1.7				
8	1068.6	72.3	60.9	4.1	222.1	15.0			25.4	1.7				
9	1079.7	74.0	60.9	4.2	222.1	15.2			25.4	1.7				
10	1009.0	69.6	60.9	4.2	222.1	15.3			25.4	1.8				
11	1057.1	73.2	60.9	4.2	222.1	15.4			25.4	1.8				
12	1058.1	71.4	60.9	4.1	222.1	15.0			25.4	1.7				
13	1053.3	71.2	80.9	4.1	222.1	15.0			25.4	1.7				
14	1002.9	69.4	57.2	4.0	208.4	14.4			23.9	1.7				
15	1004.5	67.9	60.9	4.1	222.1	15.0			25.4	1.7				
16	1029.1	67.9	60.9	4.0	222.1	14.7			25.4	1.7				
17	1009.2	71.0	80.9	4.3	222.1	15.6			25.4	1.8				
18	946.1	63.3	60.9	4.1	95.2	6.4			25.4	1.7				
19	955.2	65.2	60.9	4.2	95.2	6.5			25.4	1.7				
20	971.3	65.0	60.9	4.1	222.1	14.9			25,4	1.7				
21	999.0	68.3	80.9	4.2	222.1	15.2			25.4	1,7				
22	1020.2	68.3	60.9	4.1	222 1	14.9			25.4	1,7				
23	1064.3	71.4	60.9	4.1	222 1	14.9			25.4	1.7				
24	1064.3	71.2	60.9	4.1	222 1	14.9			25.4	1.7				
26	1080.1	70.6	60.9	4.0	222 1	14.5			25.4	1.7				
26	1042.8	69.9	60.9	4.1	222.1	14.9			25.4	1.7				
27	958.5	64.2	60.9	4.1					25.4	1.7				J
28	948.7	62.5	80.9	4.0					25.4	1.7				
29	935.0	62.0	60.9	4.0					25.4	1.7				
30	945.2	80.9	80.9	3.9	222.1	14.3			25.4	1.6				
31	993.3	65.6	60.9	4.0	222.1	14.7			25.4	1.7				
TOTAL	31,277.4		1,884.2		5,872.9		0.0		676.9		0.0		0.0	
AVERAGE		88.6	60.8	4.1	209.7	14.3	#DIV/01	#DIV/01	25.1	1.7	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 08/2015

PAGE 3 OF

	10 - A	Charles Co.			INVATATION	at prome	The state of the state of	COLUMN TO SECOND	ATOCOLOG	E COECUEUE	PAGE	3	OF Alexander	A Park Total
	The mann	pH	and police	TO	TAL	TO	TAL		CHLORINE	RESIDUAL		And September 1	TURBIDITY	(NTU)
		TOP OF		ALKA			NESS	TOP	OF TER	PU: T/			SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7.33	7.46	7.40	90	96	127	123	0.84	0.71	2.00	1.89	5.79	0.43	0.08
2	7.29	7.43	7.35	90	82	133	126	0.72	0.59	1.83	1.78	23.60	0.62	0.12
3	7.48	7.45	7.42	105	100	160	156	0.59	0.44	1.93	1.84	13.40	0.35	0.11
4	7.52	7.50	7.45	120	116	190	185	0.57	0.43	1.77	1.71	13.40	0.46	0.11
6	7.69	7.61	7.53	113	108	181	190	0.87	0.74	1.94	1.88	6.91	0.42	0.10
6	7.78	7.66	7.60	125	120	205	200	1.00	0.87	1.98	1.87	5.71	0.53	0.12
7.	7.77	7.69	7.61	148	132	210	205	0.83	0.71	1.99	1.87	4.76	0.47	0.12
8	7.76	7.69	7.62	134	128	212	205	0.94	0.83	1.94	1.82	4.15	0.35	0.12
9	7.74	7.70	7.64	122	125	214	215	0.96	0.83	1.98	1.89	3.03	0.38	0.08
10	7.83	7.75	7.64	135	132	215	210	1.03	0.89	1.96	1.84	2.30	0.46	0.08
11	7.91	7.76	7.68	145	148	228	222	0.87	0.74	1.98	1.87	1.91	0.44	0.10
12	7.98	7.80	7.72	145	152	220	222	1.08	0.93	1.97	1.89	2.24	0.34	0.10
13	7.99	7.83	7.73	145	148	228	225	0.87	0.74	1.95	1.86	2.21	0.46	0.11
14	8.03	7.86	7.78	155	152	235	230	0.77	0.66	1.93	1.86	2.31	0.29	0.09
15	8.03	7.94	7.81	155	152	238	233	0.98	0.84	1.94	1.84	2.34	0.14	0.09
18	8.10	7.96	7.83	150	146	244	242	0.98	0.85	1.92	1.79	2.13	0.26	0.09
17	8.03	7.98	7.86	158	152	238	235	0.97	0.84	1.93	1.81	1.91	0.29	0.09
10	8.20	8.05	7.81	155	150	240	238	0.94	0.81	1.83	1.73	1.77	0.31	0.08
19	8.24	8.06	7.93	155	158	245	242	0.96	0.82	1.98	1.86	1.78	0.32	0.11
20	8.20	8.07	7.93	158	162	245	242	0.77	0.65	1.85	1.74	2.71	0.35	0.08
21.	8.25	8.07	7.94	150	152	250	245	0.81	0.67	1.90	1.75	2.31	0.43	0.11
22	8.22	8.06	7.92	155	152	250	245	0.76	0.64	1.77	1.67	2.57	0.46	0.10
23	8.19	8.05	7.92	161	158	241	239	0.72	0.63	1.88	1.77	2.83	0.36	0.12
24	8.18	8.08	7,93	170	165	240	236	0.70	0.57	1.89	1.77	1,83	0.49	0.10
25	8.26	8.11	7.97	160	156	242	238	0.70	0.57	1.87	1.78	1.71	0.53	0.11
26	8.29	8.09	7.98	160	155	245	240	1,17	1.04	2.03	1.93	1.60	0.39	0.11
27	8.23	8.08	7.96	158	164	245	243	1.19	1.08	1.98	1.89	1.33	0.44	0.13
28	8.24	8.10	7.96	160	155	250	245	0.97	0.85	1.93	1.82	1.04	0.41	0.10
29	8.24	8.08	7.96	152	153	248	249	0.93	0.84	1.83	1.76	1.46	0.33	0.12
50	8.27	8.10	7.97	158	152	248	250	0.76	0.65	1.87	1.78	1.18	0.28	0.09
31	8.28	8.11	7.99	164	162	245	240	0.84	0.70	1.87	1.77	1.14	0.24	0.10
AVERAGE	8.0	7.9	7.8	144	141	223	220	0.87	0.75	1.92	1.82	3.98	0.39	0.10

# OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

PLANT ID: _____

2987

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

REPORT MONTH/YEAR:

08/2015

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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120			4 300	The Carlo		AN	ALYTICAL	ESULTS (N	TU)		Circos		DE VICTOR DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE	The state of	W INTERNA
	RAW		SEDIME		BASIN EFFL	UENT					L FILTER E				CFE DAILY
DAY	DAILY	#1	#2	DAILY M	AXIMUM #4	#5	#6	#1	#2	#3	JLY MAXIMU #4	#5	#6	#7	MAXIMUM
	5,79		0.28	1.60						0.09	0.08	0.25	0.07		0.13
2	23.60		0.22	2.20						0.08	0.08	0.44	0.14		0.17
3	13.40		0.22	0.75						0.07	0,07	0.30	0.06		0.18
4	13.40		0.27	0.98						0.07	0.08	0.45	0.11		0.28
5	6.91		0.33	1.03						0.07	0.07	0.28	0.07		0.21
a	5.71		0.32	1.25						0.06	0,06	0.39	0.08		0.24
<b>7</b> 0	4.76		0.41	1.27						0.05	0.06	0.32	0.04		0.19
8	4.15		0.46	1.18						0.05	0.05	0.34	0.09		0.20
0	3.03		0.43	0.91						0.05	0.05	0.18	0.05		0.12
10	2.30		0.33	1.33						0.05	0.05	0.16	0.03		0.11
11	1.91		0.28	1.36						0.05	0.05	0.21	0.05		0.21
12	2.24		0.33	1.15						0.05	0.05	0.26	0.06		0.16
13	2.21		0.36	1.74						0.05	0.05	0.27	0.04		0.24
14	2.31		0.27	0.65						0.05	0.06	0.28	0.07		0.14
15	2.34		0.22	0.47						0.05	0.06	0.25	0.07		0.14
16	2.13		0.26	0.55						0.05	0.06	0.21	0.04		0.16
17	1.91		0.20	0.66						0.05	0.06	0.19	0.06		0.14
18	1.77		0.28	1.33					_	0.07	0.07	0.15	0.04		0.12
19	1.78		0.28	0.98						0.06	0.06	0.22	0.04		0.17
20	2.71		0.30	0.96						0.06	0.06	0.20	0.06		0.12
21	2.31		0.33	0.98						0.06	0.06	0.27	0.05		0.22
22	2.57		0.40	1.34						0.06	0.06	0.31	0.09		0.17
23	2.83		0.31	0.64						0.05	0.06	0.29	0.06		0.27
24	1.83		0.24	2.20						0.06	0.07	0.26	0.08		0.15
25	1.71		0.18	2.54						0.06	0.07	0.25	0.06	_	0.19
25	1.60		0.17	1.01						0.06	0.06	0.21	0.11		0.17
27	1.33		0.18	1.28						0.06	0.06	1.72	0.08		0.21
28	1.04		0.26	1.14						0.06	0.06	0.27	0.08		0.18
29	1.46		0.15	1.04						0.06	0.06	0.20	0.05		0.16
30	1.18		0.19	0.69						0.06	0.06	0.15	0.07		0.13
31	1.14		0.13	0.56						0.06	0.06	0.17	0.04		0.15
AVERAG	4.0	#DIV/01	0.3	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.06	0.06	0.30	0.07	#DIV/01	0.18

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

08/2015

*Please answer Y/N question below this chart.

PAGE

5 OF

ST TEH DI	120017	1000					ESS OTHERWI	SE SPECIFIED			WATER
	FLUO	RIDE	IR	ON	MAN	IGANESE			Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.15	1.02	0.14	0.00	0.10	0.01			1.75	0.0	26.8
2	0.00	0.89	0.49	0.00	0.28	0.00			1.60	0.0	27.1
3	0.10	0.93	0.35	0.02	0.19	0.01			1.70	0.0	26.9
4	0.17	0.94	0.31	0.01	0.24	0.00			1.70	0.3	26.9
5	0.32	1.20	0.25	0.00	0.20	0.01			1.40	0.0	27.3
6	0.31	1.03	0.19	0.01	0.16	0.01			1.70	0.1	27.3
7	0.25	1.03	0.15	0.02	0.13	0.01			1.70	0.6	27.1
8	0.23	1.03	0.11	0.00	0.10	0.01			1.65	0.0	26.3
9	0.25	0.95	0.14	0.03	0.09	0.00			1.75	0.0	26.7
10	0.34	0.99	0.11	0.00	0.10	0.01			1.70	0.0	27.4
11	0.08	0.93	0.30	0.00	0.09	0.01			1.70	0.0	27.4
12	0.40	0.95	0.04	0.00	0.05	0.01			1.65	0.0	27.4
13	0.25	0.94	0.11	0.03	0.08	0.01			1.65	0.0	27.4
14	0.32	1.20	0.08	0.01	0.07	0.01			1.65	0.0	27.0
15	0.40	0.99	0.09	0.02	0.07	0.01			1.70	0.0	27.1
16	0.43	0.98	0.11	0.02	0.07	0.02			1.75	0.0	27.5
17	0.43	1.12	0.08	0.01	0.06	0.01			1.70	0.0	27.5
18	0.39	1.19	0.08	0.00	0.06	0.01			1.50	0.8	27.3
19	0.27	1.03	0.09	0.00	0.12	0.02			1.65	0.1	27.3
20	0.25	1.06	0.10	0.00	0.06	0.01			1.75	0.4	27.7
21	0.34	0.97	0.07	0.03	0.07	0.01			1.60	0.0	27.1
22	0.31	1.09	0.10	0.00	0.06	0.01			1,55	0.0	26.9
23	0.31	1.09	0.09	0.00	0.06	0.02			1.60	0.0	26.5
24	0.42	1.25	0.07	0.02	0.07	0.01			1.65	0.0	27.1
25	0.40	1.03	0.08	0.00	0.07	0.00			1.65	0.0	27.0
26	0.39	0.93	0.19	0.01	0.06	0.01			1.70	0.0	26.6
27	0.40	1.00	0.07	0.00	0.05	0.02			1.75	0.0	25.9
28	0.37	1.06	0.06	0.01	0.09	0.03			1.70	0.0	25.5
29	0.33	0.97	0.04	0.00	0.10	0.02			1.70	0.0	25.7
30	0.53	0.79	0.10	0.00	0.03	0.01			1.70	0.0	25.7
31	0.32	0.98	0.07	0.01	0.05	0.00			1.65	0.0 l otal	25.5
AVERAGE	0.31	1.02	0.14	0.01	0.10	0.01	#DIV/01	#DIV/01	Monthly Minimum	Rainfall	26.9
									1.40	1000	CONTRACTOR NAME OF
							Number of	of readings	31	2.3	1 CHOPLE

For Free Chlorine, # less than 0.2 mg/L

For Chloremines, # less than 0.5 mg/L 0

Disinfectant Chloramines? (Y/N)

N

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273 PLANT ID: Α

REPORT MONTH/YEAR: 08/2015

								PAGE	6	OF	11
		THE WHAT		HI WITE AS	US US II (	FILTER OPER				100 (50)	EX-SIGN
1	TOTAL	No:	3	No:	160	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	
	WASH WATER	WASHWATER	FILT RUN	AREA (square feet) WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLON8	HR8	GALLONS	HR8	GALLON8	HRS	GALLONS	HRS	GALLON9	HR8
1	0										
2	32,000					16,000	57.50	16,000	63.10		
3											
4	62,000					31,000	54.20	31,000	56.10		
5	30,000					15000.00	23.10	15,000	24.10		
6	33,000	18,000	145.70	17,000	146.40						
7	0										
8	42,000					21,000	66.60	21,000	68.00		
9	0										
10	0										
11	36,000					18,000	75.80	18,000	75.40		
12	33,000	16,000	147.10	17,000	146.40						
13	36,000					18,000	47.20	18,000	47.80		
14	0										
16	30,000					15,000	29.80	15,000	31.50		
16	0										
17	66,000	16,000	124.60	16,000	122.50	17,000	44.10	17,000	44.70		
18	0										
19	34,000					17,000	86.10	17,000	66.70		
20	0										
21	34,000					17,000	47.40	17,000	47.90		
22	0										-
23	34,000					17,000	47.30	17,000	47.90		
24	33,000	16,000	156.00	17,000	156.10						
26	0										
26	34,000					17,000	51.30	17,000	51.90		
27	34,000					17,000	42.40	17,000	43.00		
28	29,000	14,000	102.60	15,000	102.20						
29	36,000					18,000	42.90	18,000	43.60		
30	0										
31	36,000					17,000	52.00	19,000	51.90		
TOTAL	704,000	78,000	676.00	82,000	673.60	271,000	747.70	273,000	763.60	0	0.00
AVERAGE	23,467	15,600	135.200	16,400	134.720	18,067	49.847	18,200	50.907	#DIV/01	#DIV/01

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID : KY0800273 PLANT ID: REPORT MONTH/YEAR: 08/2015

OF PAGE 11 DISTRIBUTION SYSTEM OPERATION TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHI ORBIE WEST BOOSTER NORTH BOOSTER SOUTH DAY LB# L96 1.30 1.16 1.35 1.31 1.02 0.91 1.59 1.48 1.58 1.52 1.40 1.28 1.32 1.24 1.33 1.27 0.97 1.20 1,13 1.03 0.61 0.54 0.67 0.55 3 1.05 0.97 0.83 0.72 1,33 1.25 0.94 0.84 4 1.08 0.99 0.87 0.87 0.74 0 30 0.27 0.93 6 0.98 1.26 1.23 1,02 1.23 1:15 1.22 1.13 1.23 1.19 1,55 1.44 1:08 1.01 0.42 0.37 0.59 0.47 0.87 1.12 1.01 1.18 1.22 1.18 1.09 0.55 0.46 0.32 0.27 1.19 1.15 1.02 1.34 1.15 0.93 0.81 1.28 1.17 0.45 0.38 1.29 1.20 1.17 1.07 0.80 0.67 1.33 1.18 1.27 1.09 1.48 1.42 1.16 1.12 1.38 1.22 12 1.66 1.58 0.54 0.45 1.27 1.22 1.02 0.93 13 0.87 1.00 0.88 1.07 1.03 0.94 0.97 1.12 14 1,28 1.38 1.26 1.51 1.35 1.14 1.00 1.45 15 1.43 1.33 1.27 1.13 1.30 0.90 0.84 1.45 16 1.22 0.87 1.90 1.80 1.30 1.06 0.89 0.99 1.07 1.25 0.90 1.37 0.95 0.81 18-1.41 1.31 1.29 1.38 1.27 1.96 1.40 1.35 1.21 2.08 19 1.03 1.39 1.24 1.90 1.78 1.28 1.17 1.18 20 0.60 0.78 0.78 0.63 1.89 1.77 0.68 0.88 21 1.18 1.08 0.92 0.79 1.11 1.01 1.04 0.93 22 0.91 0.76 0.95 0.84 0.88 1.12 0.98 0.92 0.78 0.64 1.04 0.95 1.04 0.96 1.04 1.13 24 0.97 0.89 1.23 1.18 1.20 1.19 1.08 0.93 25 1.46 1.43 0.92 0.84 0.98 0.95 1.27 1.21 26 1.44 1.29 0.91 1.07 0.92 1.22 1.14 1.05 1.29 1.23 0.96 1.25 1.20 1.12 1.12 20 1.22 1.25 1.08 1.03 1.31 1.03 0.98 1.20 1.14 1.07 1.33 1.29 1.07 1.19 1.34 1.26 1.20 0.69 0.60 1.25 1.22 0.95 0.93 1.27 1.17 31 1.20 1.11 1.01 1.05 #DIV/01 #DIV/0! 1.12 1.02 1.12 1.14 AVERAGE verses 0.55 0.0 0.0 0.61 0.32 0.30 TOTAL 0.54 0.27 0.27 0.46 31 31 31 31 31 31

Total # University 5.8 mg/L
# Less than 8.2 mg/L/0.8 mg/L
[Minimum Monthly Free Residual Minimum Monthly Total Residual Number of Free Residuals 124 Number of Total Residuals 124 Total # Less than 0.2 mg/L 0 Total # Laca than 0.8 mg/L

Total # Chlorine Samples

0.27 0.30

31

Disinfectant Chloramines? (Y/N) Number of days of operation?

N 31

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Office or Authorized Agent

PWS ID: KY0800273 PLANT ID: A TURBIDITY REPORT APPLICABLE TO ALL PLANTS WITH FILTRATION 08/2015 PAGE: Report Period (MM/YYYY): 8 OF 11 Martin County Water District PWS Name: Dally Maximum # of Turbidity Samples Require Mid - 4 am 8 am - Noon Noon - 4 pm 4 pm - 8 pm 5 pm Mid 4 am - 8 am 0.08 0.13 0.132 0.09 24.0 0.11 0.11 0.136 0.12 0.161 0.16 0.07 0.13 24.0 6 0.15 0.13 2 0.179 0.13 0.13 0.09 0.10 0.18 24.0 6 0.13 0.283 0.13 0.28 0.20 0.14 0.14 0.11 24.0 6 a 24.0 6 0.13 0.12 0.13 0.09 0.10 0.21 0.208 0.242 0.17 0.24 0.17 0.16 0.12 0.09 24.0 6 6 0.17 0.193 0.13 0.11 0.09 24.0 6 0.19 0.14 0.204 0.14 0.11 0.08 0.12 0.15 6 0.20 24.0 8 0.06 0.07 0.10 0.116 24.0 6 0.09 0.09 0.12 9 0.111 0.11 24.0 6 0.10 0.08 0.09 0.07 0.09 0.12 0.09 0.11 0.21 0.208 24.0 6 0.11 0.10 11 0.09 0.06 0.08 0.15 0.156 24.0 6 0.16 0.09 12 0.07 0.09 0.24 0.238 24.0 6 0.14 0.10 0.09 13 0.08 0.08 0.06 0.08 0.13 0.140 22.5 6 0.14 10 0.136 0.06 0.08 0.13 0.11 0.10 24.0 6 0.14 15 0.06 0.09 0.16 0.156 24.0 6 0.12 0.09 0.08 14 0.06 0.10 0.136 24.0 6 0.14 0.08 0.06 0.05 17 0.12 0.122 0.08 0.07 0.06 0.07 24.0 6 0.09 18 0.17 0.172 24.0 6 0.12 0.10 0.09 0.07 0.12 19 0.08 0.12 0.116 0.08 0.08 0.06 24.0 6 0.11 24.0 6 0.18 0.11 0.09 0.12 0.22 0.224 0.13 21 0.08 0.17 0.171 24.0 6 0.15 0.10 0.10 0.07 22 0.11 0.09 0.11 0.27 0.272 0.12 24.0 6 0.1723 0.154 0.10 0.08 0.10 0.15 6 0.09 24 24.0 0.15 0.08 0.11 0.19 0.18824.0 6 0.15 0.12 0.12 25 0.07 0.10 0.13 0.170 24.0 6 0.17 0.10 0.11 26 0.09 0.11 0.21 0.210 0.15 0.16 24.0 6 0.1427 0.08 0.08 0.18 0.18228 24.0 6 0.16 0.11 0.11 24.0 6 0.14 0.08 0.09 80.0 0.11 0.16 0.161 29 0.07 0.11 0.127 0.08 0.08 0.06 24.0 6 0.13 30 24.0 6 0.12 0.10 0.10 0.08 0.08 0.15 0.14831 186 0.283 742.5 186 TOTAL # OF TURBIDITY SAMPLES TAKEN Total ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) (Any type of filtration basides slow sand) 1 NTU_ 0.1 NTU 102 0.3 NTU Number of samples exceeding For slow sand filtration, the number of samples exceeding --> 1 NTU 5 NTU *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

	AF INTERNATION AF	PPLICABLE TO ALL	SURFACE WATER F	PLANTS WITH FILTRATION	
INDIVIDUAL FILT	TER TURBIDITY EX	KCEEDANCE REP	ORT		
PWS Name:	Ма	rtin County Water Dis	trict		
PWS ID:	KY08	00273			
PLANT ID:		Α			
Report Period (MM/YY	YY):	08/2	2015		
	ne Summary Sheet	ne individual filter t), complete the fo			PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	Date and Time State was Contacted
1000		N. S.			

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, If no
- obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
  - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

**MAKE COPIES AS NEEDED** 

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MA	MYYYY) 08/2015	
-		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL	OF THE FIELDS ARE	PRE-
				POPULATED FOR YOU!!!		
			THE RESERVE AND ADDRESS OF THE PARTY.	DRMATION	Seat with 100 per services	(DOCK-W)
PLANTID A		APPLIC		O ALL PLANTS TAL WATER TREATED (gallons)	54,691,000	
PLANT NAME	Martin County W	ator District		E. DAILY PRODUCTION (gallons)	1,764,226	
AGENCY INTER		ater District		XIMUM PUMPAGE (gallons per day)	1,860,000	
	2307	<u> </u>	III/V	Annomi Cini Acea (ganerio per cay)		
				FFLUENT TURBIDITY ANTS WITH FILTRATION	THE WARRANT	il die
NALYTE CODE	0100					
	nonitored continuously? (Y	(N)				Y
	ents recorded every 15 mi	**********				Y
Vas there a failu	re of the continuous monit	oring equipment? (Y	(/N)			N
If Yes, (1) we	ere individual filter effluent	turbidity grab sampl	es collec	ted every four hours of operation? (Y/N	)	
(2) wa	as the continuously monito	ring equipment repa	ired withi	in 5 working days? (Y/N)		
Vas individual fil	ter level greater than 1.0 h	ITU in two consecuti	ive meas	urements? (Y/N)		. N
Nas individual fil	ter level greater than 0.5 N	ITU in two consecuti	ive meas	urements after on line for more than fou	r hours? (Y/N)	
Nas Individual fil	ter level greater than 1.0 h	ITU in two consecuti	ive meas	surements in three consecutive months?	(Y/N)	
				urements in two consecutive months? (	Y/N)	. 1
If any of the last	A become one MEG. William	t the ladicidus Clit		Alta Chant and authority with the MOD		
l any or une last	4 DOXES are YES, THI OU	t tile individual Filt	er Turbi	dity Sheet and submit with the MOR		
CON	MBINED FILTER EFFLUE ABLE TO ALL PLANTS V	NT TURBIDITY	er Turbi	ENTRY POINT RESIDUAL DISINF APPLICABLE TO	ECTANT CONCENTRAT	ION
ANALYTE CODE Number of hours Were samples ta Number of samp Highest single tu For all filtration e Number of sa Number of sa Number of sa Number of sa When filtration is	ABLE TO ALL PLANTS V  0100  of plant operation  iken every 4 hours of plant les taken	VITTURBIDITY VITH FILTRATION	742.5 Y 186 0.28 102 0	ENTRY POINT RESIDUAL DISINF	ration? (Y/N) corded of plant operation? (Y/N) eapt chloromine): L hloramine):	31  Y   31   1.40
ANALYTE CODE Number of hours Were samples ta Number of sample Highest single tu For all filtration e Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa	BINED FILTER EFFLUE ABLE TO ALL PLANTS V  Of plant operation les taken rbidity reading xcept slow sand filtration: imples exceeded 0.1 NTU imples exceeded 1 NTU is slow sand filtration: imples exceeded 1 NTU is slow sand filtration: imples exceeded 1 NTU	Operation? (Y/N)	742.5 Y 186 0.28 102 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of oper Number of lowest chlorine samples re Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Pree Chlorine (for all disintectants exc. Number of samples under 0.2 mg/	ration? (Y/N) corded  of plant operation? (Y/N) sept chloromine): L hloramine): L	31  Y   31   1.40
ANALYTE CODE Number of hours Nere samples ta Number of sample Highest single tue For all filtration es Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa	able to all Plants versions of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation of plant operation operation of plant operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operation operatio	Operation? (Y/N)	742.5  Y  186 0.28   102   0   0	ANALYTE CODE	ration? (Y/N) corded  of plant operation? (Y/N) sept chloromine): L hloramine): L	3/ 3/ 1.40
ANALYTE CODE Number of hours Nere samples ta Number of sample Highest single ture For all filtration er Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa	of plant operation  les taken rbidity reading xcept slow sand filtration: amples exceeded 0.1 NTU amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 5 NTU  INDIOXIDE ENTRY PO E TO PLANTS UTILIZING E 1008 of plant operation	int Monitoring S CHLORINE DIOXI	742.5 Y 186 0.28 102 0 0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of oper Number of lowest chlorine samples re Lowest single chlorine reading If less than required: Was residual restored within 4 hours of hree Chlorine (for all disintectants exc Number of samples under 0.2 mg/ Total Chlorine (when disinfectant is Cl Number of samples under 0.5 mg/  CHLORITE ENTRY PO APPLICABLE TO PLANTS UTIL ANALYTE CODE 1009 Number of days of plant operation	ration? (Y/N) corded  of plant operation? (Y/N) cept chloromine): L hloramine): L PINT MONITORING LIZING CHLORINE DIOXI	3.7 3.7 1.40
ANALYTE CODE Number of hours Were samples ta Number of sample Highest single tur For all filtration er Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa Number of sa	of plant operation les taken rbidity reading xcept slow sand filtration: amples exceeded 0.1 NTU amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 5 NTU  INTERIOR ENTRY PO E TO PLANTS UTILIZING E 1008 of plant operation aken each day of operation	int Monitoring S CHLORINE DIOXI	742.5 Y 186 0.28 102 0 0 0 DE	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of oper Number of lowest chlorine samples re Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disintectants exc. Number of samples under 0.2 mg/ Total Chlorine (when disinfectant is CI Number of samples under 0.5 mg/  CHEORITE ENTRY PO APPLICABLE TO PLANTS UTIL  ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of open	ration? (Y/N) corded  of plant operation? (Y/N) cept chloromine): L hloramine): L  IL  INT MONITORING IZING CHLORINE DIOXI	3/ 3/ 1.40
ANALYTE CODE Number of hours Were samples ta Number of sample Highest single tu For all filtration es Number of sa Number of sa Number of sa Number of sa Number of sa Number of days When filtration is Number of days When filtration is Number of days Were samples ta Number of days	able to ALL PLANTS V  of plant operation les taken rbidity reading xcept slow sand filtration: amples exceeded 0.1 NTU amples exceeded 1 NTU amples exceeded 1 NTU amples exceeded 5 NTU  imples exceeded 5 NTU	int Monitoring S CHLORINE DIOXI	742.5 Y 186 0.28 102 0 0 0 DE	ANALYTE CODE O999 Number of days of plant operation Were samples taken each day of oper Number of lowest chlorine samples re Lowest single chlorine reading If less than required: Was residual restored within 4 hours of the chlorine in the chlorine in the chlorine of samples under 0.2 mg/ Total Chlorine (when disinfectant is Chumber of samples under 0.5 mg/  CHLORITE ENTRY PO APPLICABLE TO PLANTS UTIL ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of open	ration? (Y/N) corded  of plant operation? (Y/N) cept chloromine): L hloramine): L PINT MONITORING LIZING CHLORINE DIOXI	3.7 3.7 1.40
APPLICA  ANALYTE CODE  Number of hours  Were samples ta  Number of sample  Highest single tu  For all filtration es  Number of sa  Number of sa  Number of sa  When filtration is  Number of sa  ANALYTE CODE  Number of days  Were samples ta  Number of samp  Highest single ch	BINED FILTER EFFLUE ABLE TO ALL PLANTS V  Of plant operation les taken rbidity reading xcept slow sand filtration: imples exceeded 0.1 NTU imples exceeded 1 NTU imples exceeded 1 NTU imples exceeded 1 NTU imples exceeded 5 NTU  INC. DIOXIDE ENTRY PO E TO PLANTS UTILIZING E 1008 of plant operation less taken	INT MONITORING CHLORINE DIOXI	742.5 Y 186 0.28 102 0 0 0 DE	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of oper Number of lowest chlorine samples re Lowest single chlorine reading If less than required: Was residual restored within 4 hours of Free Chlorine (for all disintectants exc. Number of samples under 0.2 mg/ Total Chlorine (when disinfectant is CI Number of samples under 0.5 mg/  CHEORITE ENTRY PO APPLICABLE TO PLANTS UTIL  ANALYTE CODE 1009 Number of days of plant operation Were samples taken each day of open	ration? (Y/N) corded  of plant operation? (Y/N) cept chloromine): L hloramine): L  NINT MONITORING LIZING CHLORINE DIOXI	3.7 3.7 1.40

Signature of Prinicipal Executive Officer or Authorized Agent

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONIT	ORING PERIOD	(MMYYYY) 08/2	015
AI 298	7	NOTE: COMP	ETE ALL	APPLICABLE F	IELDSIII NOT	ALL OF THE FIELDS	ARE PRE-
					ED FOR YOU!		
	PURCHAS					)LD	
		APPLICAL	BLE TO AL	L WATER SYSTE	MS		
	OM? (PWS ID)	HOW MUCH? (gallo		TO WHOM	1? (PWS ID)	HOW MUCH? (ga	illons)
WV3303003		1,7	73,200				
KY0980575			0				
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		DISTRIBUTION RES	DUAL DIS	NEECTANT CON	CENTRATION		
				L WATER SYSTE			
ANALYTE CODE	E 0999						
Number of days	of operation		31	Free Chlorine (for	r all disInfectants	except chloramine)	
	aken each day of oper	ation? (Y/N)	Y	Number of sai	mples under 0.2 n	ng/L	0
Number of samp	les taken:			Total Chlorine (w			
FREE			124	Number of sar	mples under 0.5 n	ng/L	
TOTAL			124				
	REE chlorine reading		0.27				
Lowest single TO	OTAL chlorine reading		0.30				

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals Immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. Violations of 401 KAR Chapter B are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive officer or Authorized Agent

09/08/15



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

# MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONTI DEP Form 4012Re	H & YEAR (mm/yyyy) [ vised 07/2006	09/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	Martin County W 2987  Crum Reset Tug For OPERATOR(S) RESPONS	rvolr k	PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	Martin County Water District  DIST. CLASS: 2  10/08/20/.5  Martin  CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A	17562
WTP SHIFT 2:	Michael Sa	artin	1V-A	21944
WTP SHIFT 3:	Timothy D Reed / El	bert Osborne	1V-A / 11-A	24590 / 27800
DISTRIBUTION:				
THIS REP				APPLICABLE FIELD OFFICE
	NO LATER TH	AN 10 DAYS AFTER	R THE END OF TH	E MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):		1,66	7	
2. TYPE OF FILTRATION USE	D:	Dual Me	edia	
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66		
4. PERCENT BACKWASH WA	TER USED:	1.3		
6. DATE FLOCCULATION BA	SIN(S) LAST CLEANED:	#2 - 3/18/10 #	‡3 - 9/2/ 09	
8. DATE SETTLING BASIN(S)	LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

10/08/2015 DATE

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PWS ID : PLANT ID:

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KY0800273 A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

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			A CANADA SANCE AND A SANCE AND	THE RESERVE THE PARTY OF	THE PERSON NAMED IN	Company Control		The state of the state of				
	RAW WATER	HOURS PLANT	COAG	JLANT	COAG	ULANT	pH ADJU	BTMENT	DISINFE		DISINFE	
	TREATED	OPERATED					Pr		Pr		Po	
YAC	GALLONS		LBS	PPM	LBS	PPM	LB9	PPM	LBS	PPM	LB8	PPM
1	1,703,000	22.5	145.4	10.2	3.9	0.3			835.7	58.8	191.9	13.5
2	1,809,000	24.0	155.0	10.3	4.2	0.3			870.0	57.7	213.1	14.1
3	1,754,000	24.0	155.0	10.6	4.2	0.3			899.4	61.5	215.4	14.7
4	1,853,000	24.0	155.0	10.0	4.2	0,3			880.1	56.9	191.9	12.4
5	1,860,000	24.0	155.0	10.0	4.2	0.3			861.1	55.5	183.2	11.8
8	1,861,000	24.0	155.0	10.0	4.2	0.3			851.0	54.8	183.1	11.8
7	1,801,000	24.0	155.0	10.3	4.2	0.3			866.1	57.7	201.9	13.4
8	1,868,000	24.0	155.0	9.9	4.2	0.3			888.0	57.0	191.9	12.3
9	1,710,000	23.0	148.6	10.4	4.0	0.3			845.6	59.3	174.2	12.2
10	1,867,000	24.0	155.0	10.0	4.2	0.3			818.8	52.6	186.6	12.0
11	1,823,000	24.0	155.0	10.2	4.2	0.3			869.2	57.2	201.9	13.3
12	1,864,000	24.0	155.0	10.0	4.2	0.3			842.2	54.2	183.2	11,8
13	1,809,000	24.0	155.0	10.3	4.2	0.3			814.2	54.0	183.1	12.1
14	1,856,000	24.0	155.0	10.0	4.2	0.3			831.7	53.7	182.5	11.8
15	1,807,000	24.0	155.0	10.3	4.2	0.3			812.8	53.9	166.2	11.0
16	1.843,000	24.0	155.0	10.1	4.2	0.3			773.8	50.3	166.2	10.8
17	1,790,000	24.0	155.0	10.4	4.2	0.3			768.8	51.5	165.7	11.1
18	1,832,000	24.0	155.0	10.1	4.2	0.3			692.0	45.3	185.1	10.0
18	1,777,000	24.0	155.0	10.5	4.2	0.3			722.6	48.8	158.4	10.
20	1,778,000	24.0	155.0	10.5	4.2	0.3			722.6	48.7	157.6	10.0
21	1,650,000	24.0	155.0	11.3	4.2	0.3			676.2	49.1	159.8	11.6
22	1,335,000	24.0	155.0	13.9	4.2	0.4			520.0	46.7	116.1	10.4
23	1,595,000	24.0	155.0	11.7	4.2	0.3			702.0	52.8	155.8	11.7
24	1,735,000	24.0	155.0	10.7	4.2	0.3			699.6	48.3	149.3	10.3
25	1,843,000	24.0	155.0	10.1	4.2	0.3			650.4	42.3	159.1	10.4
26	1,812,000	24.0	155.0	10.3	4.2	0.3			658.2	43.6	165.2	10.1
27	1.840,000	24.0	155.0	10.1	4.2	0.3			652.2	42.5	159.8	10.4
28	1,845,000	24.0	155.0	10.1	4.2	0.3			682.8	44.4	160.6	10.4
29	1,643,000	22.0	142.1	10.4	3.9	0.3			507.8	37.1	90.0	6.6
30	1.802,000	22,5	145.4	9.7	3.9	0.3			486.4	32.4	128.7	8.4
31												
OTAL	53,365,000	-	4611.5		124.9		0.0		22701.1	-	5105.5	
VERAGE	1,778,833		153.7	10.4	4.2	0.3	#DIV/01	#DIV/0!	756.7	51.0	170.2	11.3

## APPLICABLE TO ALL PLANTS

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	DISINFE	CTANT	FLUO	RIDE	CARI	BON	pH ADJ	USTMENT	KMI	nO ₄	CORRO	- 1	H20	)2
							Po	art						
DAY	LB8	PPM	LBS	PPM	LB8	PPM	LBa	РРМ	LBS	PPM	LB8	PPM	L88	PPM
1	1027.6	72.4	57.2	4.0	208.4	14.7			23.9	1.7				
ž	1083_1	71.8	60.9	4.0	222.1	14.7			25.4	1.7				
3	1114.8	76.2	60.9	4.2	222.1	15.2			25.4	1.7				
	1072.0	69.4	60.9	3.9	148.2	9.6			25.4	1.6				
5	1044.3	67.3	60.9	3.9	148.2	9.6			25.4	1.6				
8	1034.1	66.6	60.9	3.9					25.4	1.6				
7	1068.0	71.1	60.9	4.1					25.4	1,7				
8	1079.9	69.3	60.9	3.9					25.4	1.6				
0	1019.8	71.5	58.4	4.1					24.4	1.7				
10	1005.4	64.6	80.9	3.9					25.4	1.6				
117	1071.0	70.4	60.9	4.0					25.4	1.7				
12	1025.4	86.0	60.9	3.9					25.4	1,6				
13	997.3	66.1	60.9	4.0					25.4	1.7				
14	1014.2	65.5	60.9	3.9					25.4	1.6				
15	979.0	65.0	60.9	4.0	27.4	1.8		,	26.4	1.7				
18	940.0	61.2	60.9	4.0	120.6	7.8			25.4	1.7				
17	934.3	62.6	60.9	4.1	120.6	8.1			25.4	1.7				
18	857.1	56.1	60.9	4.0	120.6	7.9			25.4	1.7				
19	881.0	59.4	60.9	4,1	120.6	8.1			25.4	1.7				
20	880.2	59.4	60.9	4.1	120.6	8.1			25.4	1.7				
21	836.0	80.8	80.9	4.4	120.6	8.8			25.4	1.8				
22	838.1	57.1	60.9	5.5	120.8	10.8			25.4	2.3				
23	857.8	64.5	80.9	4.8	120.6	9.1			25.4	1,9				
n 24	848.9	58.7	60.9	4.2	120.6	8.3			25.4	1.8				
28	809.5	52.7	60.9	4.0					25.4	1.7				
26	823.4	54.5	60.9	4.0					25.4	1.7				
27	812.0	52.9	60.9	4.0					25.4	1.7				
28	843.4	54.8	60.9	4.0					25.4	1.7				
29	597.8	43.6	55.9	4.1					23.3	1.7				
30	613.1	40.B	57.2	3.8					23.9	1.6				
31														
TOTAL	27,806.5		1,812.1		2,061.8		0.0		755.9		0.0		0.0	
AVERAGI		62.4	60.4	4.1	137.5	9.5	#DIV/01	#DIV/0I	25.2	1:7	#DIV/0I	#DIV/0!	#DIV/0I	#DIV/01

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		рН		ALKAI	INITY	HARD	NESB	TOP FIL1	OF	PLA			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
AUSE	8.30	8.12	8.00	165	160	250	245	0.78	0,66	1.92	1.77	0.93	0.25	0.09
2	8.32	8.11	7.99	165	162	272	265	0.81	0.71	1.93	1.83	1.62	0.34	0.09
3	8.32	8.11	7.99	162	160	270	266	0.83	0.63	1.93	1.79	0.92	0.31	0.10
4	8.34	8.14	8.02	165	160	275	270	1.01	0.88	1.87	1.76	0.86	0.39	0.11
5	8.37	8.19	8.06	175	172	275	272	0.94	0.79	1.97	1.83	0.77	0.28	0.08
0	8.34	8.18	8.04	171	170	278	282	0.91	0.76	1.88	1.76	0.86	0.37	0.08
7	8.33	8.20	8.08	170	168	283	280	0.99	0.84	2.02	1.88	0.79	0.37	0.10
8	8.34	8.19	8.06	188	185	282	285	1.21	1.05	1.96	1.84	0.79	0.32	0.08
5	8.32	8.17	8.05	178	175	285	290	1.26	1.09	1.95	1.85	0.88	0.37	0.10
10	8.28	8.02	7.96	180	182	280	283	0.93	0.77	1.92	1.81	1.90	0.24	0.09
11	7.57	7.62	7.59	163	165	238	234	0.95	0.83	2.00	1.88	2.53	0.35	0.09
12	7.62	7.70	7.61	170	175	240	250	1.20	1.08	1.99	1.86	3.70	0.44	0.09
13	7.72	7.79	7.71	168	162	249	254	1.16	1.00	2.05	1.90	4.14	0.36	0.09
τ4	7.90	7.94	7.84	180	176	280	275	1.10	0.96	1.95	1.81	3,34	0.26	0.09
15	7.99	7.98	7.89	175	170	285	282	1.10	0.97	2.01	1.91	2.67	0.24	0.10
15	7.96	7.98	7.86	185	180	285	282	1.12	0.95	2.07	1.96	2.13	0.22	0.07
17	7.91	7.92	7.85	170	173	285	280	1.15	0.98	2.00	1.85	2.27	0.25	0.06
18	7.91	7.92	7.84	185	183	285	282	0.98	0.81	1.95	1.84	1.96	0.21	0.07
19	7.90	7.94	7.84	185	180	275	277	0.88	0.73	1.90	1.76	1.66	0.18	0.06
20	7.90	7.94	7.84	173	172	279	286	0.85	0.71	1.89	1.75	1.89	0.18	0.06
21	7.90	7.95	7.86	180	176	288	285	0.84	0.69	1.87	1.74	1.45	0.18	0.07
22	8.04	8.00	7.89	185	183	283	285	0.91	0.79	1.98	1,87	1,74	0.14	0.06
23	8.02	7.98	7.91	185	182	293	288	1.01	0.88	1.92	1.85	1.45	0.22	0.05
24	8.02	8.01	7.91	185	182	285	281	1.10	0.94	1.97	1.86	1.26	0.19	0,06
25	8.02	8.05	7.95	185	183	285	287	1.04	0.91	1.91	1.80	1.30	0.21	0.05
26	8.07	8.07	7.98	200	205	297	280	1.10	0.98	1.90	1.80	1.70	0.18	0.05
27	8.10	8.11	8.01	187	186	291	302	1.07	0.94	1.85	1.76	1.34	0.16	0.05
28	8.09	8.07	7.99	189	186	300	302	1.13	0.97	1.92	1.84	1.29	0.21	0.05
29	8.09	8.07	7.98	200	205	300	298	1.26	1.16	1.95	1.83	1.19	0.17	0.06
30	8.02	8.07	7.99	190	188	297	292	1.14	1.00	1.95	1.83	1.17	0.18	0.06
31														
VERAGE	8.1	8.0	7.9	179	177	279	278	1.03	0.88	1.95	1.83	1.68	0.26	0.08

# OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

PLANT ID: AGENCY INTEREST: REPORT MONTH/YEAR:

09/2015

DRINKING WATER BRANCH WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

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OF	_11_
NA CO	Own Service
	CFE

	RAW	NAME OF TAXABLE PARTY.	SEDIM	ENTATION	BASIN EFFL		ALYTICAL	ON EXPLORATION R		INDIVIDUA	L FILTER E	FFLUENT			CFE
DAW	DAILY			DAILY M		H.E.	#6	#1	#2	#3	ILY MAXIMI	JM #5	#6	W7	MAXIMU
DAY	MAXIMUMI	#1	#2	#3	#4	#5	110	#.1						- "- T	
4	0.93		0.14	0.59						0.06	0.06	0.21	0.05		0.11
2	1.62		0.40	0.78						0.06	0.07	0.20	0.05		0.14
3	0.92		0.28	0.86						0.06	0.07	0.25	0.07		0.16
4	0.86		0.30	1.40						0.07	0.08	0.33	0.11		0.15
5	0.77		0.21	0.54						0.07	0.07	0.15	0.07		0.10
6	0.86		0.49	1.44						0.06	0.07	0.17	0.06		0.14
7	0.79		0.32	0.86						0.06	0.07	0.44	0.09		0.16
6	0.79		0.70	0.54						0.07	0.07	0.19	0.09		0.13
9	0.88		0.30	0.88						0.09	0.10	0.31	0.06		0.21
10	1.90		0.17	0.46						0.07	0.08	0.26	0.07		0.13
11	2.53		0.17	0.97						0.06	0.06	0.22	0.08		0.13
12	3.70		0.16	0.96						0.05	0.05	0.20	0.05		0.14
13	4.14		0.19	0.93						0.05	0.05	0.15	0.06		0.12
14	3.34		0.21	0.55						0.07	0.08	0.18	0.06		0.12
15	2.67		0.19	0.47						0.06	0.06	0.18	0.06		0.12
16	2.13		0.17	0.55						0.06	0.06	0.10	0.04		0.08
	2.27		0.23	0.56						0.06	0.06	0.10	0.04		0.07
17	1.96		0.19	0.51						0.07	0.07	0.11	0.04		0.09
15				0.43						0.06	0.06	0.10	0.06		0.08
19	1.66		0.16							0.06	0.06	0.07	0.05		0.07
20	1.89		0.21	0.41						0.06	0.07	0.12	0.05		0.09
21	1.45		0.18	0.53						0.06	0.06	0.12	0.08		0.06
22	1.74		0.15	0.24									0.04		0.05
23	1.45		0.23	0.62						0.05	0.41	0.05	0.03		0.12
24	1.26		0.14	0.40						0.05		0.05			0.06
25			0.14	0.38						0.06	0.06	0.05	0.03		0.06
26	1.70		0.13	0.37						0.06	0.06	0.08	0.05		
27	1.34		0.15	0.30				,		0.05	0.05	0.05	0.04		0.06
28	1.29		0.16	0.46						0.05	0.05	0.05	0.03		0.06
29	1.19		0.17	0.32						0.06	0.06	0.05	0.03	-	0.06
30	1.17		0.14	0.31						0.05	0.05	0.19	0.08		0.08
31 VERAG	1.7	#DIV/0!	0.2	1	#DIV/01	#DIV//01	#DIV/01	#DIV/01	#DIV/0!	0.06	0.08	0.16	0.06	#DIV/0I	0.11

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

09/2015

*Please answer Y/N question below this chart.

PAGE

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	FLUC	PRIDE		RON		IGANESE	ESS OTHERW		Lowest Daily Chiorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F*/C*
1	0.33	0.99	0.04	0.01	0.06	0.01			1.65	0.0	26.1
2	0.44	0.99	0.09	0.02	0.11	0.00			1.70	0.0	26.0
3	0.32	1.06	0.01	0.01	0.05	0.01			1.60	0.0	26.7
4	0.41	1.11	0.04	0.01	0.04	0.00			1.60	0.0	26.8
5	0.47	1.04	0.05	0.03	0.10	0.00			1.75	0.0	27.0
6	0.58	1.17	0.05	0.03	0.02	0.01			1.75	0.0	27.1
7	0.47	1.08	0.02	0.01	0.02	0.00			1.70	0.0	27.2
8	0.52	1.11	0.05	0.01	0.01	0.00			1.70	0.0	27.4
9	0.42	0.98	0.05	0.01	0.12	0.00			1.65	0.0	27.4
10	0.51	1.09	0.11	0.00	0.11	0.00			1.65	1.5	27.0
11	0.39	0.94	0.07	0.05	0.72	0.01			1.76	0.2	23.4
12	0.30	0.91	0.04	0.00	0.32	0.01			1.80	0.1	23.7
13	0.49	1.06	0.08	0.01	0.27	0.01			1.70	0.4	23.9
14	0.34	1.07	0.07	0.00	0.19	0.01			1.65	0.0	23.9
15	0.48	1.02	0.13	0.00	0.14	0.02			1.70	0.0	23.5
16	0.41	1.03	0.07	0.00	0.16	0.01			1.70	0.0	23.3
17	0.39	1.02	0.05	0.00	0.17	0.02			1.65	0.0	23.4
18	0.41	1.12	0.07	0.00	0.14	0.01			1.65	0.0	23.4
19	0.41	1.10	0.05	0.00	0.12	0.01			1.60	0.0	23.5
20	0.46	1.14	0.08	0.00	0.12	0.01			1.70	0.2	23.4
21	0.34	1.09	0.04	0.00	0.10	0.02			1.60	0.0	23.6
22	0.38	0.84	0.05	0.01	0.11	0.01			1.60	0.0	23.4
23	0.47	1.01	0.05	0.00	0.10	0.00			1.75	0.0	23.2
24	0.48	1.10	0.02	0.02	0.10	0.01			1.65	0.0	23.2
25	0.47	1.02	0.03	0.00	0.09	0.03			1.62	0.0	23.2
26	0.45	0.89	0.06	0.00	0.06	0.01			1.65	0.0	23.1
27	0.62	0.99	0.07	0.01	0.08	0.00			1.65	0.2	22.6
28	0.44	0.94	0.06	0.01	0.07	0.01			1.65	0.1	22.7
29	0.41	1.05	0.13	0.03	0.09	0.00			1.75	0.0	22.6
30	0.49	1.04	0.04	0.00	0.18	0.03			1.85	0.8	22.7
31											
AVERAGE	0.44	1.03	0.06	0.01	0.13	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	24.5
							Number of	of readings	1.60	3.64	

For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L 0

Disinfectant Chloramines? (Y/N)

N

## APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID :_ KY0800273 PLANT ID: Α

OF

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09/2015 REPORT MONTH/YEAR:

PAGE 6

			NEC IN	1 1 2 m 18 18 18 18 18 18 18 18 18 18 18 18 18		FRITER OPER	ATION	OWNERS THE	100 FEAT	W. How II And	
	TOTAL	No:	3	No:	4	No:	8	No:	- 8	No:	
	WASH WATER	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILT RUN	AREA (square feet) WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLONS	HRB	GALLONS	HRS	GALLON8	HR8	GALLONS	HRS	GALLONS	HR8
1	0										
2	34,000					17,000	47.40	17,000	48.00		
3	35,000	17,000	148.00	18,000	145.20						
4	39,000					20,000	43.70	19,000	44.50		
5	0										
6	0										
7	36,000					18,000	71.30	18,000	71.50		
8	0										
9	70,000	17,000	124.70	17,000	123.90	18,000	51.20	18,000	51.40		
10	0										
11	37,000					19,000	43.50	18,000	43.40		
12	0										
13	34,000	17,000	115.50	17,000	114.20						
14	0										
15	40,000					19,000	95.20	21,000	95.90		
16	0										
17	34,000	17,000	95.20	17,000	94.60						
18	0.										1
19	38,000					19,000	79.60	19,000	79.70		
20	34,000	17,000	71.60	17,000	71.00						
21	29,000					12,000	46.80	17,000	46.90		-
22	34,000							34,000	30.40		
23											
24	62,000	17,000	96.20	18,000	95.50	27,000	13.40				<u> </u>
25	0										-
26	37,000					19,000	61.20	18,000	93.90		
27	0										
28	0						-				
29	34,000	17,000	99.90	17,000	99.20						
30	42,000					22,000	93.60	18,000	93.60		
31	00										
TOTAL	669,000	119,000	751.10	121,000	743.60	210,000	646.90	217,000	699.20	0	0.00
AVERAGE	22,300	17,000	107.300	17,286	106.229	19,091	58.809	19,727	63.564	#DIV/01	#DIV/01

**COPY AS NEEDED** 

ALL WATER SYSTEMS

PWS ID : KY0800273 PLANT ID:

REPORT MONTH/YEAR:

09/2013 PAGE

	CHEA	HICALS ADDED					TEST RE	ESULTS			
	CHLORINE	CHLORINE						HLORINE RESIDUAL		WE	57
-	BOOSTER	BOOSTER	-		RTH F	T	TH F	T	F P	T	F
Y	LB8	FBS	2.33	1.22	1.12	1.19	1,10	0,82	0.77	1.34	1.21
10			VIII WET	1.06	0.95	0.86	0.78	1.48	1.41	1.38	1.34
			VIC.	1.40	1.23	0.94	0.88	1.22	1.14	1,14	1.27
				1.40	1.24	0.91	0.82	1.15	1.06	1.37	1.28
100				1.25	1.10	0.97	0.84	1.35	1.19	1,25	1.12
			62.0	1.48	1.10	1.27	1.16	1.34	1.16	1.15	0.95
			12-12-12	1.46	1.14	1.08	0.93	1.02	0.94	1.14	0.99
				1.00	0.88	1.04	0.98	0.90	0.69	1.40	1.33
			MICHAEL	1.21	1.13	1.05	0.88	1.44	1.38	1.34	1.30
			(1-100/F)	1.17	1.06	1.17	1.08	0.95	0.90	1.35	1.30
			2200	0.95	0.86	1,07	0.99	0.60	0.45	1.57	1.50
			2373395	1.12	1.04	0.88	0.80	1.09	0.95	1.29	1.20
			1	0.99	0.88	1.01	0.97	1.30	1.14	1.34	1,18
				1.16	1.08	0.49	0.43	1.18	1.10	1.34	1.10
			2	1.22	1.09	0.54	0.46	1,15	1.07	1.45	1,36
5			TESON FOR	1.30	1.09	1.04	0.98	0.54	0.48	1.52	1.37
7				1.22	1.11	1.05	0.99	1.33	1.22	1.38	1.35
SSI			113/02	1.43	1.34	1.58	1,52	1.11	1.01	1.01	0.96
9				1.15	1.04	0.66	0.50	1,22	1,10	1.43	1.25
0				1.18	1,00	0.39	0.28	1.11	0.95	1,74	1.54
			45 8 6	1.29	1,23	1.42	1.33	1.34	1.26	1,46	1.36
2			100	1.31	1.20	1.13	1.07	1,36	1,30	1.03	0.92
3			12	1.29	1,20	1.22	1.14	1.50	1.49	0.87	0.76
4			A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	0.81	0.75	0.96	0.88	1.19	1.12	0.70	0.64
5				1,19	1.08	1.36	1.25	1.36	1.31	1.05	0.97
8				1.09	1.03	0.99	0.93	0.88	0.83	1.55	1.48
7			EST.	1.40	1,23	1.37	1.25	1,25	1.12	1.44	1.28
a				1.14	1.08	0.31	0.22	1.23	1.19	1.30	1.20
9			3) 1	1.22	1.13	0.69	0.60	1.00	0.89	1.24	1.19
0				1.34	1.26	1.19	1.12	1.59	1,34	0.93	0.85
AGE	#DIV/0I	#DIV/0I	Average	1.21	1,09	0.99	0.90	1.17	1,08	1.28	1.19
AGE	0.0	0.0	Total	0.81	1,00	0.31		0.54		0.70	
	0.0	0.0	Free	0.01	0.75	501	0.22	2.01	0.45		0.64

# Less than 0.2 mg/L/O.5 mg/L

# Less than 0.2 mg/L/O.5 mg/L

# Minimum Monthly Free
Residual 120

Residual 120

Residual 120

Residual 120

Residual 120 0.22 Number of Free Residuals 0.31 **Number of Total Residuals** ø Total # Less than 0.2 mg/L

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation?

N 30

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Office or Authorized Agent

						PWS ID:		00273	
_1	<b>TURBIDITY</b>			Plate and Advanced		PLANT ID:		4	-
PWS N	The Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Pa	BLE TO ALL PL Martin	ANTS WITH FI	CHICAGON PATRICIA	Report Period	(MM/YYYY):	09/2	2015	PAGE: 8 OF <u>11</u>
DAY	Hours Plant	w of Turbidity	Mid - 4 am	4 am - 8 am	8 am Noon	Noon - 4 pm	4 pm - 3 pm	8 pm - Mid	Daily Maximum
5250	Operated 22.5	Samples Required*	0.11	0.09	0.08	0.06	0.07	0.08	0.108
	24.0	6	0.09	0.11	0.11	0.07	0.08	0.14	0.142
3	24.0	6	0.14	0.10	0.09	0.07	0.11	0.16	0.161
4	24.0	6	0.13	0.12	0.14	0.08	0.10	0.15	0.152
6	24.0	6	0.10	0.09	0.08	0.06	0.07	0.10	0.104
6	24.0	6	0.11	0.10	0.09	0.07	0.07	0.14	0.141
7	24.0	6	0.12	0.10	0.10	0.07	0.08	0.16	0.157
0	24.0	6	0.11	0.09	0.09	0.07	0.07	0.13	0.126
9	23.0	6	0.12	0.12	0.10	0.08	0.10	0.21	0.214
10	24.0	6	0.13	0.10	0.10	0.08	0.08	0.08	0.127
11	24.0	6	0.11	0.12	0.13	0.08	0.08	0.10	0.130
12	24.0	6	0.11	0.11	0.14	0.10	0.09	0.11	0.137
13	24.0	6	0.12	0.10	0.11	0.10	0.09	0.10	0.115
14	24.0	6	0.12	0.12	0.12	0.08	0.07	0.08	0.123
15	24.0	6	0.10	0.11	0.12	0.08	0.07	0.10	0.116
16	24.0	6	0.08	0.08	0.08	0.06	0.06	0.07	0.080
17	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.074
18	24.0	6	0.08	0.08	0.09	0.06	0.06	0.07	0.085
19	24.0	6	0.08	0.08	0.07	0.06	0.06	0.06	0.080
20	24.0	6	0.07	0.07	0.07	0.06	0.05	0.06	0.069
21	24.0	6	0.08	0.09	0.08	0.06	0.05	0.06	0.085
22	24.0	6	0.06	0.06	0.05	0.05	0.05	0.06	0.063
23	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.053
24	24.0	6	0.05	0.12	0.05	0.05	0.05	0.05	0.123
25	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.057
26	24.0	6	0.05	0.05	0.05	0.05	0.05	0.06	0.060
27	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.056
28	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.055
29	22.0	6	0.05	0.06	0.05	0.05	0.05	0.05	0.057
30	22.5	6	0.05	0.05	0.05	0.05	0.05	0.08	0.078
31	0.0	0							0.000
Total	714.0	180			TO	TAL # OF TURBIDITY	SAMPLES TAKEN -	180	0.214
	OU USING EITH of filtration basides	ER CONVENTION	AL or DIRECT FI	LTRATION? (Y/N	Y				
	er of samples e		0.1 NTU	46	0.3 NTU	0	1 NTU	0	<u>-</u>
F	or slow sand fi	Itration, the numb	er of samples ex	ceeding>	1 NTU		5 NTU		<u></u>
	: The "Number he next whole n		les Required" is	the number of h	ours the plant ope	rated divided by 4	rounded		
l certif	y that the above	ve turbidity readi	ngs were taken	every 4 hours	during plant oper	ation and in the			
	Signature of Prin	cipal Executive Offi	ce or Authorized	Agent	TO THE PARTY		10/08/	201.5 ate	

APPLICABLE TO ALL SURFACE WATER PLANTS WITH FILTRATION

INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	artin County Water Dis	trict		
PWS ID:	KY08	300273			
PLANT ID:		A			
Report Period (MM/Y	<b>^^^)</b> :	09/2	2015		
If any filter exce (also listed on the appropriate	eeded any one of the Summary Shee properties.	ne individual filter t ), complete the fo	turbidity triggers b billowing and subm	pelow, nit	PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (If known)	Date and Time State was Contacted

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYY	y) 09/2015
-		NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL OF	THE FIELDS ARE PRE-
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		/GIV	AALT INITI	POPULATED FOR YOU!!!	
				ORMATION OF ALL PLANTS	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA
PLANT ID A		771 113		TAL WATER TREATED (gallons)	53,365,000
PLANT NAME	Martin County V	later District		E. DAILY PRODUCTION (gallons)	1,778,833
AGENCY INTERE			MA	XIMUM PUMPAGE (gallons per day)	1,868,000
		INDIVIDUAL	U TED E	FFLUENT TURBIDITÝ	
	THE PERSONNELLE PROPERTY OF			ANTS WITH FILTRATION	
ANALYTE CODE	0100				
Was each filter me	onitored continuously? (Y	′/N)			Y
Were measureme	ints recorded every 15 m	inutes? (Y/N)			Y
Was there a failur	e of the continuous moni	toring equipment? ()	Y/N)		N
				ted every four hours of operation? (Y/N)	
				in 5 working days? (Y/N)	
Was individual filt	er level greater than 1.0 l	NTU in two consecut	ive meas	urements? (Y/N)	urs? (Y/N)
Was individual filt	er level greater than 0.5 I	NTU in two consecut	ive meas	surements after on line for more than four hou	JIST (17/4)
				surements in three consecutive months? (Y/N) surements in two consecutive months? (Y/N)	
				dity Sheet and submit with the MOR	
				ENTRY POINT RESIDUAL DISINEECTA	ANT CONCENTRATION
	BINED FILTER EFFLUE ABLE TO ALL PLANTS !		Picture 4	APPLICABLE TO ALL	PLANTS
ANALYTE CODE	0100			ANALYTE CODE 0999	
	of plant operation		714.0	Number of days of plant operation	30
	ken every 4 hours of plan	t operation? (Y/N)	Y	Were samples taken each day of operation	? (Y/N) Y
Number of sample	es taken		180	Number of lowest chlorine samples recorde	
Highest single tur			0.21	Lowest single chlorine reading	1.60
	cept slow sand filtration:			If less than required:	at an arctice 2 (V/N)
	mples exceeded 0.1 NTU	*******	46	Was residual restored within 4 hours of plan Free Chlorine (for all disinfectants except co	
	mples exceeded 0.3 NTU mples exceeded 1 NTU		$\frac{0}{0}$	Number of samples under 0.2 mg/L	0
	slow sand filtration:			Total Chlorine (when disinfectant is Chlorar	mine):
	mples exceeded 1 NTU			Number of samples under 0.5 mg/L	
	mples exceeded 5 NTU				
APPLICABLE	NE DIOXIDE ENTRY PO TO PLANTS UTILIZING	INT MONITORING CHLORINE DIOXI	DE	CHLORITE ENTRY POINT I	MONITORING 3 CHLORINE DIOXIDE
ANALYTE CODE				ANALYTE CODE 1009	
Number of days			30	Number of days of plant operation	30
	ken each day of operation	n? (Y/N)		Were samples taken each day of operation	
Number of sample				Number of samples taken	0
	lorine dioxide reading		0.00	Highest single chlorite reading	0.00
Number of chloring	ne dioxide samples excee	ided 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg	g/L0

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Each T. Alley
Signature of Prinicipal Executive Officer or Authorized Agent

10/08/2015
Date

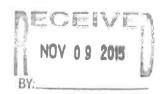
# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORING PER	IOD (MMYYYY) 09/201	5
AI 298	7	NOTE: COMPLETE	ALL A	PPLICABLE FIELDS!!! N	OT ALL OF THE FIELDS A	RE PRE-
				POPULATED FOR Y	OUIII	
	PURCHAS	ED 一个是是否是	223	eng kanatan puntuk persala	SOLD	ten energy
			ALL	WATER SYSTEMS		
FROM WHO	OM? (PWS ID)	HOW MUCH? (gallons)	_	TO WHOM? (PWS ID)	HOW MUCH? (gallor	ns)
WV3303003		2,492,424	.			
KY0980575		0	.			
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T. No. M. S. III	per such a second	DISTRIBUTION RESIDUAL	DISIN	FECTANT CONCENTRATIO	N m	
		APPLICABLE TO	O ALL	WATER SYSTEMS		
ANALYTE COD					and a support while a subset of	
Number of days		30	-	Free Chlorine (for all disinfect		-
1	aken each day of oper	ation? (Y/N)		Number of samples under		
Number of samp	oles taken:			Total Chlorine (when disinfect		
FREE			-	Number of samples under	0.5 mg/L	
TOTAL			-			
	REE chlorine reading	0.22				
Lowest single To	OTAL chlorine reading	0.31				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

10/08/2015



## KENTUCKY DIVISION OF WATER

Revised 01/04/07

## DRINKING WATER BRANCH

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONT	H & YEAR (mm/yyyy) ovlsed 07/2008	10/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County	Water District	PLANT CLASS: 3	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:	11/06/15
SOURCE NAME:	Crum Rese	ervoir	COUNTY:	Martin
	Tug Fo	rk		
	OPERATOR(S) RESPON	SIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alle	у	1V-A	17562
WTP SHIFT 2:	Michael S	artin	1V-A	21944
WTP SHIFT 3:	Timothy D Reed / E	Ibert Osborne	1V-A / 11-A	24590 / 27800
DISTRIBUTION:	8			
THIS REP	ORT MUST BE RECEIV	ED BY THE DIVISION	OF WATER AND	APPLICABLE FIELD OFFICE
	NO LATER T	HAN 10 DAYS AFTER	THE END OF THE	MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):		1,667		
2. TYPE OF FILTRATION USE	D:	Dual Me	dia	
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66		
4. PERCENT BACKWASH WA	TER USED:	1.1		
5. DATE FLOCCULATION BAS	BIN(S) LAST CLEANED:	#2 - 3/18/10 #	3 - 9/2/ 09	
6. DATE SETTLING BASIN(S)	LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

12

11/06/15

PWS ID : PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: _ PAGE 1 10/2016 OF 11

	RAW WATER	HOURS PLANT	COAG	ULANT	COAG	ULANT	pH ADJU	STMENT	DISINFE	CTANT	DISINFE	
	TREATED	OPERATED					P		LB8	PPM	LB8	PPM
DAY	GALLONS		LBS	PPM	LBS	PPM	LB8	PPM				
1	1,849,000	24.0	155.0	10.1	4.2	0.3			522.6	33.9	129.4	8.4
2	1,721,000	23.0	148.6	10,4	4,0	0.3			521,2	36.3	134.4	9.4
3	1,846,000	24.0	155.0	10.1	4.2	0.3			492.2	32.0	129.4	8.4
74	1,792,000	24.0	155.0	10.4	4.2	0.3			531.2	35.5	129.4	8.7
5	1,830,000	24.0	155.0	10.2	4.2	0.3			553.8	36.3	152.7	10.0
6	1,754,000	23.0	148.6	10.2	4.0	0.3			515.6	35.2	153.2	10.5
7	1,839,000	24.0	155.0	10.1	4,2	0.3			542.4	35.4	140.6	9.2
8	1,838,000	24.0	155.0	10.1	4.2	0.3			516.6	33.7	152.7	10.0
9	1,799,000	24.0	155.0	10.3	4.2	0.3			511.8	34.1	141.9	9.5
10	1,798,000	24.0	155.0	10.3	4.2	0.3			444.5	29.6	147.6	9.8
11	1,847,000	24.0	155.0	10,1	4.2	0.3			513.3	33.3	147.6	9.6
12	1,725,000	23.0	148.6	10.3	4.0	0.3			471.9	32.8	153.4	10.7
13	1,813,000	24.0	155.0	10.3	4.2	0.3			484.6	32.0	164.2	10.9
14	1,837,000	24.0	155.0	10.1	4.2	0.3			484.6	31.6	159.8	10.4
15	1,822,000	24.0	155.0	10.2	4.2	0.3			484.6	31.9	159.8	10.5
16	1,766,000	23.0	148.6	10.1	4.0	0.3			440.4	29.9	153.2	10.4
Ve - 1		24.0	155.0	10.1	4.2	0.3			458.4	29.7	159.8	10.4
17	1,841,000								456.4	30.8	164.2	11.1
18	1,778,000	24.0	155.0	10.5	4.2	0.3						
19	1,741,000	23.0	148.6	10.2	4.0	0.3			431.8	29.7	157.0	10.8
20	1,799,000	24.0	155.0	10.3	4.2	0.3	-		420.6	28.0	146.5	9.8
21	1,799,000	24.0	155.0	10.3	4.2	0.3			376.4	25.1	150.9	10.1
22	1,756,000	24.0	155.0	10,6	4.2	0.3			360.0	24.6	159.8	10.9
23	1,755,000	24.0	155.0	10.0	4.2	0.3			360.0	24.6	162.8	11.1
24	1,807,000	24.0	155.0	10.3	4.2	0.3			335.8	22.3	159.8	10.6
25	1,770,000	24.0	155.0	10.5	4.2	0.3			326.4	22.1	159.8	10.8
26	1,812,000	24.0	155.0	10.3	4,2	0.3			338.6	22.4	166.8	11.0
27	1,745,000	23.5	155.0	10.7	4.2	0.3			405.0	27.8	159.8	11.0
28	1,677,000	23.0	142.1	10,2	3,9	0.3			370.2	26.5	159.8	11.4
29	1,775,000	24 0	155.0	10.5	4.2	0.3			404.8	27.3	162.8	11.0
30	1,782,000	24.0	155.0	10.4	4.2	0.3			412.9	27.8	183.2	12,3
31	1,786,000	24.0	155.0	10.4	4.2	0.3			435.6	29.2	179.5	12.1
TOTAL	55,499,000		4760.1		128.9		0.0		13922.2		4781.8	
AVERAGE	1,790,290		153.6	10.3	4.2	0.3	#DIV/0I	#DIV/0I	449.1	30.1	154.3	10.3
MAX	1,849,000											

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 10/2015

PAGE 2 OF _____11

		TA SOLET	The way	RANGE TO BE	<b>医型型整线</b>	CAT STATE OF	EMICALS ADDE	0 1 4 4 4	Mary San		1 S. S. J. Level	177 4 1 1 W		TO WIND
	DISINFE	CTANT	FLUO	RIOE	CAR	BON	pH ADJ	USTMENT	KMa	nO ₄	CORRO		H2	03
							Po	Post						
DAY	LBS	PPM	LBS	PPM	LBS	PPM	LB6	PPM	LB8	PPM	LBS	РРМ	LBS	PPM
1	652.0	42.3	60.9	3,9					25.4	1.6				
2	655.6	45.7	58.4	4.1					24.4	1.7				
3	621,6	40.4	60.9	4.0					25.4	1.6				
14	680.6	44.2	60.9	4.1					25.4	1.7				
5	706,5	46.3	80.9	4.0					25.4	1.7				
6	668.8	45.7	58.4	4.0					24.4	1.7				
7.	683.0	44.5	60.9	4.0					25.4	1,7				
8	669.3	43.7	60.9	4.0					25.4	1.7				
9	653.7	43,6	60.9	4.1					25.4	1.7				
10	592.1	39.5	60.9	4.1					25.4	1.7				
11	860.9	42.9	60.9	4.0					25.4	1.6				
12	625.3	43.5	58.4	4.1					24.4	1,7				
13	648.8	42.9	60.9	4.0					25.4	1.7				
14	644.4	42.1	60.9	4.0					25.4	1.7				
15	644.4	42.4	60.9	4.0					25.4	1.7				
16	593.8	40.3	58.4	4.0					24.4	1,7				
17	616.2	40:1	60.9	4.0					25.4	1.7				
18	620.6	41.9	60.9	4.1					25.4	1.7				
19	588.6	40.6	58.4	4.0					24.4	1.7				
20	567.1	37.8	60.9	4.1					25.4	1.7				
21	527.3	35.1	80.8	4.1					25.4	1.7				
22	519.8	35.6	60.9	4.2					25.4	1,7				
23	522.8	35.7	60.0	4.2	80.3	5.5			25.4	1.7				
24	495.6	32.9	60.9	4.0	80.3	5.3			25.4	1,7				
25	486.2	32 9	60.8	4.1	120.8	8.2			25.4	1.7				
26	505.4	33.4	60.9	4.0	120.8	8.0			25.4	1.7				
27	564.8	38.8	69.7	4.1	118.0	8.1			24.9	1.7				
20	530.0	37.9	55.9	4.0	110.4	7.9			23,3	1.7				
29	567.6	38.3	60.9	4.1	120.6	8.1			25.4	1,7				
30	596,1	40.1	60.9	4.1	120.6	8.1			25.4	1.7				
31	615.1	41.3	60.9	4.1	120.6	8.1			25.4	1.7				
TOTAL	18,704.0		1,889.2		992.0		0.0		779.8		0.0		0.0	
AVERAGE	603.4	40.4	80.3	4.0	110.2	7.5	#DIV/01	#DIV/0!	25.2	1:7	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR:

10/2015

PAGE

11

me I	WOOD VAN	pH	HO ALES		ANALYTIC		(mg/L OR P	PM UNLESS	OTHERWIS	E SPECIFIED RESIDUAL	)	TURBIDITY (NTU)			
		TOP OF	S	ALKA			NESS	TOP FIL*	OF	PLA TA			SETTLED	PLANT	
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP	
	8.02	8.06	7.98	197	195	303	299	1.08	0.94	1.89	1.82	1.18	0.24	0.06	
	8.07	8.07	7.98	200	198	296	294	0.99	0.87	1.79	1.71	1.15	0.24	0.06	
100	8.08	8.09	8.01	195	190	293	290	0.91	0.80	1.85	1.74	2,37	0.21	0.06	
47	8.07	8.06	7.98	181	178	295	291	0.93	0.83	1.83	1.73	2.25	0.18	0.05	
5	8.05	8.06	7.96	193	190	295	292	1.01	0.91	1.93	1.82	2.11	0.21	0.06	
. 0	8.08	8.04	7.95	188	185	295	290	1.03	0.91	1.94	1.83	2.02	0.20	0.06	
7	8.05	8.07	7.96	198	195	295	292	1.00	0.88	1.85	1.78	1.80	0.25	0.06	
В	8.05	8.07	7.97	190	188	295	290	1.04	0.91	1.88	1.75	1.64	0.37	0.08	
0	8.02	8.06	7.96	195	192	295	293	0.98	0.86	1.93	1.81	1.60	0.27	0.06	
10.	8.01	8.03	7.95	195	190	297	290	0.90	0.76	1.86	1,75	1.36	0.27	0.05	
	8.03	8.04	7.95	185	188	310	317	0.97	0.84	1.89	1.75	1.35	0.33	0.05	
12	8.02	8.05	7.97	188	185	291	289	0.92	0.77	1.91	1.78	1.64	0.38	0.05	
13	8.05	8.06	7.96	193	190	290	295	0.88	0.74	1.91	1.84	1.20	0.27	0.06	
14	8.03	8.06	7.98	195	190	297	291	0.79	0.66	1.95	1.83	1.29	0.29	0.06	
15	8.07	8.11	8.00	190	188	290	285	0.87	0.75	1.94	1.85	0.78	0.49	0.05	
16	8.06	8.07	7.99	190	185	290	288	0.89	0.75	1.96	1.85	0.64	0.65	0.07	
17	8.05	8.07	7.99	190	200	294	280	0.91	0.76	2.02	1.87	0.66	0.60	0.06	
18	8.06	8.08	8.00	185	197	294	290	0.76	0.59	1.91	1.79	1.01	0.53	0.08	
19	8.08	8.12	8.02	190	188	295	290	0.80	0.64	2.00	1.89	0.90	0.63	0.11	
20	8.09	8.15	8.05	198	196	295	302	1.05	0.91	1.98	1.82	1.04	0.66	0.10	
21	8.08	8.14	8.05	190	188	298	290	0.96	0.82	1.98	1.85	1.05	0.48	0.08	
22	8.09	8.15	8.04	190	188	295	293	0.93	0.76	1.89	1.77	1.05	0.53	0.11	
23	8.09	8.13	8.03	190	193	290	288	0.78	0.61	1.98	1.82	1.03	0.48	0.14	
24	8.11	8.14	8.05	195	190	297	300	0.70	0.55	1.86	1.73	0.94	0.36	0.10	
-25	8.11	8.16	8.05	188	186	301	300	0.62	0.44	1.80	1.68	0.86	0.29	0.09	
28	8.12	8.17	8.08	190	188	307	304	0.64	0.49	1.96	1.83	0.99	0.36	0.10	
27	8.10	8.15	8.09	195	193	301	296	0.78	0.64	1.92	1.79	0.92	0.40	0.10	
28	8.09	8.15	8,07	195	190	300	297	0.81	0.68	1.87	1.72	0.94	0.37	0.13	
29	8.08	8.14	8.07	198	192	298	296	0.68	0.55	1.84	1.72	1.06	0.46	0.13	
30	8.10	8.16	8.09	195	192	300	296	0.72	0.56	1.96	1.81	1.06	0.48	0.12	
31	8.12	8.18	8.10	185	200	288	290	0.76	0.62	1.81	1.70	0.90	0.55	0.09	
AVERAG		8.1	8.0	192	191	296	293	0.87	0.74	1.91	1.79	1.25	0.39	0.08	

# OPTIONAL INFORMATION-Surface Water Plants Only

PWS ID: KY0800273

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

PLANT ID: A
AGENCY INTEREST: 2987

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

REPORT MONTH/YEAR:

10/2015

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF 11

2/2/11/11	AL STOLET	a sum		EM WAR		ANA	LYTICAL R	ESULTS (N	TU)	STATES.			AUTO NO	SE MEMO	
	RAW		SEDIME		ASIN EFFLU	JENT					L FILTER E LY MAXIMU				DAILY
DAY	DAILY MAXIMUM	#1	#2	DAILY MA	N4	#5	88	#1	#2	#3	#4	#5	#6	#7 B	MUMIXAN
1	1.18		0.16	0.72						0.05	0.04	0.05	0.03		0.05
2	1.15		0.23	0.39						0.05	0.05	0.05	0.03		0.05
3	2.37		0.20	0.40						0.06	0.06	0.05	0.03		0.06
	2.25		0.13	0.42						0.06	0.05	0.05	0.03		0.05
5	2.11		0.17	0.51						0.06	0.05	0.12	0.06		0.07
6	2.02		0.15	0.57						0.07	0.07	0.05	0.03		0.05
4	1.80		0.17	0.65						0.06	0.06	0.05	0.03		0.05
8	1.64		0.15	1.08						0.06	0.05	0.04	0.03		0.05
2	1.60		0.22	0.96						0.06	0.05	0.07	0.04		0.06
10	1.36		0.17	0.72						0.06	0.05	0.05	0.03		0.05
111	1.35		0.22	0.83						0.05	0.05	0.04	0.03		0.05
12	1.64		0.38	1.14						0.05	0.05	0.05	0.03		0.05
13	1.20		0.15	1.07						0.05	0.05	0.08	0.07		0.06
14	1.29		0.24	0.53						0.05	0.06	0.05	0.03		0.06
16	0.78		0.96	0.93						0.06	0.05	0.05	0.04		0.06
16	0.64		0.16	1.48						0.06	0.05	0.07	0.06		0.08
47	0.66		0.19	1.55						0.06	0.05	0.05	0.04		0.05
18	1.01		0.35	1.92						0.08	0.07	0.06	0.09		0.09
19	0.90		0.26	1.68						80.0	0.07	0.10	0.29		0.14
20	1.04		0.33	1.98						0.10	0.08	0.10	0.21		0.11
21	1.05		0.28	1.16						0.10	0.09	0.08	0.10		0.11
22	1.05		0.29	1.22						0.14	0.12	0.09	0.12		0.14
23	1.03		0.33	1.01						0.15	0.14	0.22	0.21		0.20
24	0.94		0.26	0.86						0.12	0.11	0.15	0.15		0.14
25	0.86		0.25	0.43						0.10	0.10	0.08	0.08		0.10
28	0.99		0.28	0.70						0.14	0.13	0.10	0.07		0.11
27	0.92		0.25	0.96						0.11	0.11	0.12	0.16		0.15
28	0.94		0.23	0.84						0.09	0.09	0.10	0.16		0.19
29	1.06		0.33	1.12						0.08	0.10	0.08	0.10		0.12
30	1.06		0.27	1.17						0.07	0.09	0.06	0.09		0.15
31	0.90		0.31	1.51						0.06	0.08	0.40	0.41	-	0.18
AVERA	3E 1.3	#DIV/0!	0.3	1	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	0.08	0.07	0.09	0.09	#DIV/01	0.09

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

OF

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

10/2015

3.17

*Please answer Y/N question below this chart.

PAGE

	FLUO	RIDE		ON		IGANESE	ESS OTHERWI		Lowest Dally Chlorine Residual Plant Tap	RAINFALL	WATER TEMP.
									On-Line Chlorine Analyzer		DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁶ /C ⁶
001 ON	0.46	0.99	0.04	0.01	0.11	0.00			1.75	0.0	22.6
2	0.50	1.05	0.04	0.02	0.04	0.01			1.25	0.1	22.2
3	0.48	1.01	0.06	0.01	0.08	0.01			1.75	0.8	22.3
4	0.39	0.80	0.04	0.00	0.07	0.01			1.60	0.2	20.5
5	0.49	1.08	0.08	0.00	0.07	0.02			1.75	0.0	20.4
6	0.46	0.86	0.07	0.02	0.06	0.01			1.75	0.0	20.4
7	0.46	1.05	0.06	0.01	0.04	0.00			1.80	0.0	20.4
8	0.41	0.95	0.06	0.00	0.05	0.01			1.50	0.0	20.6
9	0.44	0.95	0.05	0.01	0,05	0.02			1.75	0.0	20.8
10	0.43	1.01	0.04	0.00	0.05	0.01			1.60	0.4	20.7
11	0.47	1.11	0.05	0.01	0.05	0.01			1.70	0.0	20.6
12	0.43	0.94	0.07	0.01	0.05	0.03			1.70	0.0	20.4
13	0.44	1.02	0.05	0.03	0.05	0.01			1.75	0.4	20.3
14	0.36	1.09	0.04	0.00	0.04	0.01			1.75	0.0	20.3
15	0.48	0.97	0.03	0.01	0.03	0.01			1.80	0.0	20.4
16	0.37	1.00	0.03	0.00	0.04	0.01			1.76	0.0	20.1
17	0.40	0.92	0.04	0.00	0.05	0.01			1.80	0.0	19.6
18	0.49	1.04	0.06	0.00	0.09	0.01			1.75	0.0	18.7
19	0.46	1.00	0.06	0.00	0.08	0.00			1.85	0.0	18.2
20	0.52	1.06	0.06	0.04	0.05	0.00			1.70	0.0	17.3
21	0.42	1.07	0.06	0.01	0.05	0.01			1.70	0.0	17.1
22	0.41	1,07	0.06	0.01	0.04	0.01			1.80	0.0	17.0
23	0.39	0.91	0.04	0.00	0.03	0.00			1.75	0.0	17.0
24	0.39	0.96	0.07	0.00	0.05	0.03			1.60	0.0	16.7
25	0.54	0.96	0.07	0.03	0.04	0.03			1.60	0.2	16.9
26	0.49	1.06	0.06	0.03	0.04	0.02			1.65	0.1	17.0
27	0.27	0.86	0.14	0.03	0.04	0.02			1.70	0.1	17.1
28	0.44	0.90	0.08	0.00	0.01	0.00			1.65	0.6	17.1
29	0.38	0.84	0.09	0.03	0.00	0.00			1.70	0.1	16.9
30	0.51	0.87	0.09	0.00	0.01	0.00			1.71	0.0	17.0
31	0.44	0.91	0.06	0.00	0.04	0.01			1.70	0.0	16.9
AVERAGE	0.44	0.98	0.06	0.01	0.05	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	19.1
-VEIGHUE	0.77	0.00			1 -1.00				1.25		

Number of readings 31
For Free Chlorine, # less than 0.2 mg/L. 0
For Chloramines, # less than 0.5 mg/L

## APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: 10/2015

PAGE ____6__

- 1	V A HART	CR CAN DIE	VAM US	O DESCRIPTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	V K TITO S	FRIER OFER		o symmetric	NEW PROTO	The Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	y yes
	TOTAL	No:	3	No:	4	No:	160	No: AREA (square feet)	160	No; AREA (square feet)	
1	WASH WATER	AREA (square feet) WABHWATER	160 FILT RUN	AREA (square feet) WASHWATER	FILT RUN	AREA (square feet) WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLONS	HR\$	GALLONS	HRS	GALLONS	HRB	GALLONS	HR8	GALLONB	HRB
1	0										
2	34,000	17,000	91.30	17,000	87.00						
3111	0										
4	39,000					19,000	97.40	20,000	97.40		
5	0										
6.	32,000	16,000	91.90	16,000	91.40						
7	0										
8	0										
9	39,000					19,000	98.40	20,000	98.40		
10	36,000	18,000	79.60	18,000	79.60						
11	0										
12	41,000					20,000	90.00	21,000	90.00		
13	34,000	17,000	91.20	17,000	89.50						
14	0										
15	0										
16	42,000	21,000	91.00	21,000	91.00						
17	0										
18	36,000	18,000	100.60	18,000	99.10						
19	43,000					21,000	71.20	22,000	71.20		
20	0										
21	0										
22	36,000	18,000	95.50	18,000	94.00						
23	46,000					23,000	91.20	23,000	91.20		
24	0										
25	28,000	14,000	91.60	14,000	90.90						
26	0										
27	37,000					19,000	98.20	18,000	98.20		
28	0										
29	25,000	13,000	90.90	12,000	89.40						
30	38.000	18,000	78.60	20,000	78.70						
31	0										
TOTAL	586,000	170,000	900.20	171,000	888.60	121,000	546.40	124,000	546.40	0	0.00
AVERAGE		17,000	90.020	17,100	88.860	20,167	91.067	20,667	91.067	#DIV/01	#DIV/0

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID :

KY0800273 Α

PLANT ID: REPORT MONTH/YEAR:

10/2015

OF

PAGE

DUTHINUTION BY STEM OPERATION TEST RESULTS CHEMICALS ADDED TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) CHLORINE CHLORINE WEST EAST BOOSTER BOOSTER NORTH T LBB DAY LB8 1.37 1.17 1.08 1.59 1.52 1.50 1.32 1.40 1.38 1.31 1.27 1.46 0.95 1.28 1,22 1.01 2 1.35 1.28 1.31 1.22 0.88 1.01 0.99 1.08 3 1.21 1.37 1,41 1,24 0.98 1.34 1.17 1.19 1.40 1.20 1.03 1.14 1.16 1.02 0.78 1.32 0.82 0.98 1.42 1.32 0.94 1.14 1.00 1.08 1,18 1.30 1.11 1.03 1,02 1.16 1.23 1.10 1.26 1.35 1.05 1,29 1,10 1.26 1.16 1.29 1.41 1.31 0.69 1.44 1.24 1.45 1,30 0.81 0.52 1.22 0.68 1.25 1.38 0.61 0.57 1.43 1.24 1.11 0.70 0.55 0.97 0.84 1.43 1.32 1.39 1.25 0.86 0.80 1.25 1.16 1.12 1.03 12 0.86 1.48 1.44 1.47 1.11 1.07 1.00 1.55 1.38 1.35 0.93 0.84 1.17 1.08 1.18 1.26 14 1.27 1.42 1.20 1.16 1.06 1.40 1.26 1.34 15 1.29 1.00 1.05 0.94 1.37 1.25 1.14 1.36 16 1.16 1.31 1.26 1.28 1.18 1.06 1.39 1.34 17 0.95 0.87 1.31 1.18 0.96 1.09 1.13 1.22 18 1.43 1.31 1.22 1.48 1.38 1.52 1.29 1.40 19 0.96 1.53 1.43 0.96 1.07 1.03 1.24 1.06 20. 1,40 1.29 1.43 1.53 1.30 1.22 1.11 1.50 21 1.30 1.36 1.07 1.00 1.23 1.19 1.23 1.11 1.08 1.29 1.12 1.17 1.14 1.09 1.30 1.22 1.33 1.48 1.24 1.07 0.91 1.52 1.36 1.44 24 0.97 1.43 1.23 0.90 0.75 1.08 1.00 1.18 28 1.29 0.34 1.14 0.92 1.50 1.36 0.41 1.54 26 0.61 1.15 1.40 1.22 0.71 1.08 0.91 1.21 27 1.39 1.31 1.32 1.22 1.42 1.35 1.25 1.37 28 1.35 1.26 0.75 1.21 1.13 1.20 0.95 1.28 29 1.04 0.93 1.47 1.32 1.26 1.35 1.34 30 1.42 1.34 1.19 0.80 1.14 1.00 1.00 0.76 0.97 31 1.25 1.13 1.31 1.19 1:02 1.13 1.13 #DIV/0I #DIV/0I 1.25 AVERAGE rerage 0.68

0.41

31

0.34

31

0.57

# Less than 0.2 mg/L/0.5 mg/L | Minimum Monthly Free 0.34 Number of Free Residuals 124 Residual Minimum Monthly Total 0.41 **Number of Total Residuals** 124 Total # Less then 0.2 mg/L 0

0.61

31

0.0

Total # Chlorine Samples

0.0

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation?

31

0.80

31

0.86

N 31

31

0.52

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

KY0800273 PWS ID: PLANT ID: TURBIDITY REPORT PAGE: APPLICABLE TO ALL PLANTS WITH FILTRATION Report Period (MM/YYYY): 10/2015 8 OF 11 Martin County Water District **PWS Name:** Hours Plant Samples Required 8 pm - Mid Maximum Noon 4 pm 4 pm - 8 pm 5 am - Noon Mid-4 am 4 am - 8 am 0.051 0.05 0.05 0.05 0.05 0.05 6 0.05 24.0 0.051 0.05 0.05 0.05 0.05 0.05 0.05 6 23.0 2 0.055 0.05 0.05 0.05 0.05 0.06 0.05 6 24.0 3 0.05 0.050 0.05 0.05 0.05 0.05 24.0 6 0.05 4 0.05 0.05 0.067 0.05 6 0.07 0.05 0.05 24.0 -6 0.054 0.05 0.05 0.05 0.05 0.05 0.05 23.0 6 0.052 0.05 0.05 0.05 0.05 0.05 24.0 6 0.05 0.05 0.0490.05 0.05 0.05 0.05 0.05 6 24.0 8 0.055 0.05 0.05 0.05 0.06 0.05 6 0.05 24.0 0.05 0.052 0.05 0.05 0.05 24.0 6 0.05 0.05 0.051 0.05 0.05 0.05 0.05 0.05 0.05 6 24.0 41 0.05 0.05 0.054 0.05 0.05 0.05 0.05 6 23.0 12 0.05 0.05 0.063 0.05 0.06 0.06 24.0 6 0.06 13 0.056 0.04 0.04 0.04 0.06 0.05 0.04 24.0 6 14 0.061 0.06 0.04 0.05 0.05 0.05 0.04 24.0 6 15 0.05 0.05 0.076 0.06 0.08 0.07 0.07 6 23.0 16 0.05 0.051 0.05 0.05 0.05 0.05 24.0 6 0.05 17 0.091 0.06 0.09 0.06 0.06 0.09 6 0.06 24.0 0.10 0.141 0.11 0.09 0.11 0.14 0.09 23.0 6 19 0.110 0.11 0.09 0.09 0.10 0.10 0.11 6 24.0 0.11 0.113 0.07 0.08 0.07 6 0.09 0.07 24.0 21 0.139 0.10 0.13 0.12 0.10 0.14 24.0 6 0.12 22 0.20 0.196 0.14 0.18 0.15 0.15 6 0.13 24.0 0.142 0.11 0.10 0.10 0.11 0.14 0.13 6 24.0 24 0.10 0.1040.08 0.09 0.10 0.10 24.0 6 0.10 25 0.111 0.10 0.10 0.09 0.09 0.11 6 0.11 24.0 20 0.09 0.15 0.150 0.09 0.09 0.10 0.09 6 27. 23.5 0.10 0.19 0.12 0.193 0.12 0.12 23.0 6 0.14 28 0.121 0.12 0.09 0.08 0.12 24.0 6 0.12 0.12 29 0.15 0.151 0.10 0.12 0.13 0.11 6 0.13 24.0 30 0.175 0.09 0.08 0.08 0.08 0.08 6 0.18 24.0 31 186 0.196 TOTAL # OF TURBIDITY BAMPLES TAKEN 737.5 186 Total Y ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) (Any type of filtration besides slow sand) 1 NTU _____ 0 0.3 NTU 0.1 NTU Number of samples exceeding ----> 5 NTU____ For slow sand filtration, the number of samples exceeding --> 1 NTU *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded

I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

Signature of Principal Executive Officer or Authorized Agent

up to the next whole number.

	C ESTABLISHED AN	PELICABLE TO ALL	SURPACE WATER P	LANTS WITH FILTRATION	
INDIVIDUAL FILT	ER TURBIDITY EX	(CEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict		
PWS ID:	KY08	00273			
PLANT ID:		4			
Report Period (MM/YY)	YY):	10/2	2015		
if any filter excee	ded any one of th	e individual filter	turbidity triggers	below,	
(also listed on the	e Summary Sheet	), complete the fo	ollowing and subr	nlt	
the appropriate r	eport(s).				PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	Date and Time State was Contacted

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger C.: Filter number, the lurbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
  - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	10/2015	
		NOTE: COMPLETE	ALL	APPLICABLE FIELDSIII NOT ALL OF THE	FIELDS ARE	PRE-
				POPULATED FOR YOU!!!		
	ustra Valk rayayats ta			ORMATION CONTRACTOR OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STAT	STATE OF STREET	1000
PLANT ID A		APPLICAL		O ALL PLANTS TAL WATER TREATED (gallons) 55	,499,000	
_	•	Inter District			790,290	_
AGENCY INTE	Martin County W	rater District			,849,000	-
AGENCTINTE	Z907		IVIA	Alivioni PolitiPAGE (galions per day)	048,000	
		IMPINIDUM EIL	rene	EELIENT TUDBIDITY		
				FFLUENT TURBIDITY ANTS WITH FILTRATION		
ANALYTE COD	NE 0400					
ANALYTE COD		//NI				Y
	monitored continuously? (Y	***************	*****			Y
	nents recorded every 15 m lure of the continuous moni		1			N
				ted every four hours of operation? (Y/N)		
	was the continuously monito					
	filter level greater than 1.0 I	-			***************************************	N
				urements after on line for more than four hours? (	Y/N)	N
				urements in three consecutive months? (Y/N)		N
				urements in two consecutive months? (Y/N)	***************************************	N
	_			dity Sheet and submit with the MOR	***************************************	-
	MBINED FILTER EFFLUE		(S/A)	ENTRY POINT RESIDUAL DISINFECTANT C	CONCENTRATI	080
	CABLE TO ALL PLANTS		COLUMN TO SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE	APPLICABLE TO ALL PLAN		h.z.x.
ANALYTE COD	E 0100			ANALYTE CODE 0999		
	s of plant operation	7	37.5	Number of days of plant operation		31
II.	taken every 4 hours of plan		Y	Were samples taken each day of operation? (Y/I	N)	Y
Number of sam	•		186	Number of lowest chlorine samples recorded		31
Highest single t	urbidity reading		0.20	Lowest single chlorine reading		1.25
For all filtration	except slow sand filtration:			If less than required:		_
1	amples exceeded 0.1 NTU		40	Was residual restored within 4 hours of plant ope		
	samples exceeded 0.3 NTU		0	Free Chlorine (for all disintectants except chloron	nine):	
	samples exceeded 1 NTU		0	Number of samples under 0.2 mg/L		0
	is slow sand filtration:			Total Chlorine (when disinfectant is Chloramine):		
	samples exceeded 1 NTU	-	_	Number of samples under 0.5 mg/L		
Number of s	samples exceeded 5 NTU		_			
CHLO	RINE DIOXIDE ENTRY PO	INT MONITORING	100	CHLORITE ENTRY POINT MONIT	ORING	STATE
	LE TO PLANTS UTILIZING			APPLICABLE TO PLANTS UTILIZING CHL		E
ANALYTE COD	E 1008			ANALYTE CODE 1009		
	s of plant operation		31	Number of days of plant operation		31
	taken each day of operation	n? (Y/N)	200	Were samples taken each day of operation? (Y/I	N)	8
Number of sam			0	Number of samples taken		0
	chlorine dioxide reading		0.00	Highest single chlorite reading		0.00
Number of chlo	rine dioxide samples excee	ded 0.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L	*************	0

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

11/06/15

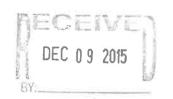
## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273				ITORING PERIOD		2015
Al 298	7	NOTE: COMPL	ETE ALL	APPLICABLE	FIELDS!!! NOT	ALL OF THE FIELDS	S ARE PRE-
				POPUL	ATED FOR YOU!	II	
	PURCHA	SED	SELECTION OF	是1346多数形式		DLD AND THE ST	nyor stantwhe
				WATER SYST	TEMS	11011111111011010	-0
FROM WH	OM? (PWS ID)	HOW MUCH? (gallo		TO WHO	OM? (PWS ID)	HOW MUCH? (g	jalions)
WV3303003		2,32	2,502				
KY0980575			0				
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THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE COLUMN TO SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE SERVICE STATE OF THE		DISTRIBUTION RES	DUAL DIS	NEECTANT CO	INCENTRATION	430/11 2001 34	13 (L) (R) (R) (R)
PINITUREARCH	20 Marin House	APPLICA	BLE TO AL	L WATER SYS	TEMS		
ANALYTE COD	E 0999						
Number of days	of operation		31	Free Chlorine	(for all disinfectants	except chloramine)	
	taken each day of ope	ration? (Y/N)	Y	Number of	samples under 0.2	mg/L	0
Number of sam				Total Chlorine	(when disInfectant		n 1.
FREE			124	Number of	samples under 0.5	mg/L	
TOTAL			124				
1000	REE chlorine reading		0.34				
Lowest single T	OTAL chlorine readin	g	0.41				

Lecrify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Object or Authorized Agent

11/06/15



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONTH DEP Form 4012Re	H & YEAR (mm/yyyy)	11/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME:	KY0800273 Martin County Wa	PLANT ID: A	PLANT NAME:	Martin County Water District  DIST. CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:	12/07/2015 Martin
SOURCE NAME:	Crum Reserv Tug Fork		COUNTY:	Wartin
MATTE AN HET 4	OPERATOR(S) RESPONSI		CLASS 1V-A	CERTIFICATION NUMBER
WTP SHIFT 1: WTP SHIFT 2:	Earl T Alley Michael Sar	tin .	1V-A	21944
WTP SHIFT 3:	Timothy D Reed / Elb		1V-A / 11-A	24590 / 27800
DISTRIBUTION:				
THIS REP				APPLICABLE FIELD OFFICE
	NO LATER THA	N 10 DAYS AFTER	THE END OF THE	E MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):	_	1,667	<u> </u>	
2. TYPE OF FILTRATION USE	D:	Dual Me	dia	
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66		
4. PERCENT BACKWASH WA	TER USED:	0.9		
5. DATE FLOCCULATION BAS	BIN(8) LAST CLEANED:	#2 - 3/18/10 #	3 - 9/2/ 09	
8. DATE SETTLING BASIN(S)	LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penaltiles under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

Tall I. alley

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

12/05/2015 DATE

PWS ID : ____PLANT ID: __

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

PAGE

11/2015 OF 11

	RAW WATER	HOURS PLANT	COAG	ULANT	COAG	ULANT	pH ADJU	STMENT	DISINFE		DISINFE	
-	TREATED	OPERATED	1.00	BETT			P ₁		Pr	PPM	LB8	PPM
YAC	BNOLLAD		LBS	PPM	LBS	PPM	LB3	PPM	LBS			
1000	1,809,000	24.0	155.0	10.3	4.2	0.3			421.0	27.9	169.2	11.2
2	1,779,000	24.0	155 0	10.4	4.2	0.3			435.6	29.4	186.4	11.2
3	1,808,000	24.0	155.0	10.3	4.2	0,3			448.7	29.8	163.2	10.8
4	1,762,000	24.0	155.0	10,5	4.2	0.3			453 4	30,9	163.7	11.1
5	1,751,000	23.0	148.6	10.2	4.0	0.3			440.0	30.1	163.7	11.2
6	1,745,000	22.0	142.1	9.8	3.9	0.3			428 9	29.5	150.4	10.3
7	1,811,000	24.0	155.0	10.3	4.2	0.3			463.6	30.7	159.8	10.6
8	1,688,000	23.0	148.6	10.6	4.0	0.3			441.2	31.4	153.2	10.9
9	1,665,000	22.0	142.1	10.2	3.9	0.3			404.6	29.1	146.5	10.6
0	1,753,000	23.0	148.6	10.2	4.0	0.3			422.0	28.9	153.2	10.5
11	1,813,000	24.0	155.0	10.3	4.2	0.3			451.6	29.9	162.8	10.8
12	1,651,000	22.5	145.4	10.6	3.9	0.3			431.4	31_3	153.2	11.1
13	1,810,000	24.0	155.0	10.3	4.2	0.3			457.4	30.3	163.2	10.8
4	1,810,000	24.0	155.0	10.3	4.2	0.3			457.4	30.3	159.8	10.6
6	1,754,000	24.0	155.0	10.6	4.2	0.3			457,4	31.3	159.8	10.9
ô	1,721,000	23.0	148.6	10.4	4.0	0.3			434.2	30.3	156.1	10.1
7	1,819,000	24.0	155.0	10.2	4.2	0.3			401.0	26.4	159.8	10.5
8	1,819,000	24.0	155.0	10.2	4.2	0.3			357.6	23.8	154.0	10.
9	1,750,000	23.0	148.6	10.2	4.0	0.3			400.6	27.4	152.7	10.5
0	1,822,000	24.0	155.0	10.2	4.2	0.3			400.6	26.4	163.7	10.
1	1,750,000	23.0	148.6	10.2	4.0	0.3			384.8	28.4	157.0	10.
2	1,685,000	22.0	142.1	10.1	3.9	0.3			353.2	25.1	147.7	10.
3	1,757,000	23.0	148.6	10.1	4.0	0.3			386.2	26.4	153.2	10.
14	1,643,000	22.0	142.1	10.4	3.9	0.3			370.0	27.0	137.8	10.
5	1,744,000	24.0	155.0	10.7	4.2	0.3			399.0	27.4	148.4	10.
6	1,789,000	24.0	155.0	10.4	4.2	0.3			402.0	26.9	155.1	10.
7	1,759,000	24.0	155.0	10.8	4.2	0.3			347.0	23.7	159.8	10.
8	1,798,000	24.0	155.0	10,3	4.2	0.3			329.8	22.0	153.7	10.
9	1,746,000	23.0	148.6	10.2	4.0	0.3			337.4	23.2	147.6	10.
10	1,801,000	24.0	155.0	10.3	4.2	0.3			324.2	21.6	153.7	10.
	.,,											
TAL	52,810,000		4537.6		122.9		0.0		12241.8		4688.4	
ERAGE	1,760,333		151.3	10.3	4.1	0.3	#DIV/0!	#DIV/01	408.1	27.8	156.3	10.0

#### APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 11/2015

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ALC: N						· · · · · · · · · · · · · · · · · · ·	HEMICALS ADDS	D.		State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	PAGE	2	OF THE REAL PROPERTY.	DAY and D
	DISINFI	ECTANT	FLUC	DRIDE	CAR	BON	pH AD.	JUSTMENT	КМ	nO ₄	CORRO		ня	102
								780						
DAY	LBS	PPM	LBS	РРМ	LBS	PPM	LB8	PPM	LBS	PPM	LBS	PPM	LB8	PPM
100	590.2	39.1	60.9	4.0	120.6	8.0			25.4	1.7				
2	602.0	40.6	80.9	4.1:	120.6	8.1			25.4	1.7				
3	611.9	40.6	60.9	4.0	120.8	8.0			25.4	1.7				
4	617.1	42.0	60 9	4,1	120.6	8.2			26.4	1.7				
6	803.7	41.3	58,4	4.0					24.4	1.7				
6	579.3	39.8	55.8	3.6					23.3	1.6				
7	623.4	41.3	60.9	4.0					25.4	1.7				
8	594.4	42.3	58.4	4.2					24.4	1.7				
g	551.1	39.7	55.8	4.0					23.3	1.7				
10	675.2	39.3	58.4	4:0					24.4	1.7				
11	614.4	40.6	60.9	4.0					25.4	1.7				
12	584.6	42.5	57.2	4.2					23.9	1:7				
13	620.6	41.1	60.9	4.0					25.4	1.7				
14	617.2	40.9	60.9	4.0					17.0	1.1				
16	617.2	42.2	60.9	4.2										
16	590.3	41.1	58.4	4.1										
17	560.8	37.0	60.9	4.0										
18	511.6	33.7	60.9	4.0										
.10	553.3	37.9	58.4	4.0										
20	564.3	37.1	60.9	4.0										
21	641.8	37.1	58.4	4.0										
22	500.9	35.6	55.9	4.0										
23	539.4	38.8	58.4	4.0										
24	508.0	37.1	55.9	4.1										
25	547.4	37.6	60.9	4.2										
25	557.1	37.3	80.9	4.1										
27	508.8	34.6	80.9	4.2										
28	483.5	32 2	80.9	4.1										
29	485.0	33.3	58.4	4.0										
30	477.9	31.8	80.9	4.1										
31	71.610	0110	55.0	4.1										
TOTAL	16,930.4		1,783.1		482,4		0.0		338.5		0.0		0.0	
AVERAGE		38.5	59.4	4.0	120.6	8.1	#DIV/0!	#DIV/0I	24.2	1.6	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!
	207.0	00.0	03.7		120.0	V-1	MP14/0:	#D19701	242	1.0	MD14101	#D: 4101	#514101	#DIVIO!

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 11/2016

11 PAGE 3

							THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	PM UNLESS		E SPECIFIEI	)			
		pH			TAL LINITY		TAL NESS	TOP	OF	RESIDUAL			TURBIDITY	
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	TER FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
1	8.02	8.11	8.05	193	184	291	307	0.79	0.62	1.96	1.83	1.36	0.31	0.08
2	8.08	8.11	8.05	192	189	295	290	0.82	0.68	1.95	1.84	1.29	0.36	80.0
3	8.05	8.09	8.04	192	190	292	288	0.90	0.73	1.96	1.82	1.15	0.40	0.09
	8.04	8.12	8.04	185	190	297	295	0.78	0.63	1.91	1.80	1.06	0.37	0.10
6	8.04	8.09	8.03	200	196	300	296	0.71	0.59	1.85	1.76	1.11	0.30	0.08
6	8.01	8.07	8.01	190	195	300	298	0.85	0.72	1.97	1.86	1.10	0.31	0.08
7	8.00	8.11	8.03	210	207	287	293	0.89	0.75	1.99	1.87	1.08	0.37	0.08
8	7.99	8.07	8.00	198	196	300	311	0.79	0.64	1.83	1.72	0.97	0.44	0.07
0	8.00	8.07	8.01	194	188	298	305	0.81	0.69	1.98	1.86	0.89	0.37	0.10
10	8.05	8.10	8.02	200	203	295	300	0.87	0.72	1.98	1.87	1.10	0.37	0.10
- 11	8.00	8.09	8.03	193	195	297	302	0.86	0.69	1.89	1.79	0.87	0.34	0.08
12	8.00	8.08	8.02	195	192	303	300	0.84	0.70	1.88	1.75	0.94	0.29	0.08
13	8.00	8.08	8.01	192	189	300	295	0.89	0.74	2.00	1.88	0.98	0.41	0.08
14	8.06	8.05	8.00	195	192	297	300	0.85	0.69	1.93	1.78	0.82	0.34	0.07
15	8.03	8.07	8.01	199	201	291	294	0.94	0.76	2.05	1.91	1.01	0.34	0.07
15	8.05	8.11	8.06	198	203	285	282	0.97	0.81	1.98	1.85	0.96	0.33	0.08
17	8.06	8.13	8.06	200	198	295	292	0.92	0.76	1.97	1.82	0.97	0.26	0.08
18	8.08	8.17	8.09	199	203	292	298	0.75	0.61	1.91	1.77	1.04	0.24	0.08
19	8.12	8.15	8,11	200	199	295	296	0.87	0.72	1.86	1.74	0.95	0.32	0.08
20	8.09	8.15	8.11	195	193	295	293	0.86	0.73	1.91	1.79	0.89	0.37	0.06
21	8.11	8.12	8.08	205	200	295	287	0.84	0.88	1.91	1.77	0.94	0.29	0.06
22	8.05	8.11	8.04	196	191	303	308	0.79	0.62	1.87	1.74	0.96	0.33	0.07
23	8.06	8.08	8.02	190	188	295	292	0.85	0.68	1.90	1.79	1.01	0.38	0.07
24	8.07	8.11	8.04	195	192	290	287	0.88	0.72	2.01	1.84	1.02	0.32	0.07
25	8.10	8.12	8.06	190	188	292	290	0.90	0.76	1.92	1.79	1,15	0.35	0.06
26	8.10	8.11	8.01	190	188	290	287	0.73	0.58	1.88	1.75	1.15	0.33	0.07
27	8.09	8.10	8.00	190	187	290	288	0.76	0.64	1.93	1.85	1.09	0.26	0.07
28	8.08	8.10	7.99	190	189	290	292	0.77	0.66	1.90	1.80	1.00	0.23	0.08
29	8.15	8.13	8.02	195	191	299	304	0.75	0.68	1.84	1.76	1.02	0.24	0.07
30	8.08	8.09	8.08	190	189	295	288	0.73	0.64	1.84	1.77	0.90	0.19	0.07
31														
AVERAGE	8.1	8.1	8.0	195	194	295	295	0.83	0.69	1.93	1.81	1.03	0.33	0.08

### OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER

DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PWS ID: KY0800273

PLANT ID: A
AGENCY INTEREST: 2987

REPORT MONTH/YEAR: 11/2015

PAGE 4 OF 11

2, 1 - F	A PARTY OF		See II	ALC: I	( NO. 0)	And in case of the last	ALYTICAL	RESULTS (	(TU)	200	Marine St.	n N	1000		0002
	RAW DAILY		SEDIM		BASIN EFF	LUENT					L FILTER E				CFE DAILY
DAY	MUMIXAM	¥1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
1	1.36		0.21	0.51						0.06	0.08	0.07	0.06		0.08
2	1.29		0.25	0.58						0.08	0.09	0,08	0.07		0.10
3	1.15		0.30	0.71						0.11	0.13	0.07	0.06		0.11
4	1.06		0.25	0.61						0.08	0.10	0.14	0.13		0.13
6	1.11		0.26	0.49						80.0	0.09	80.0	0.07		0.10
6	1.10		0.32	0.42						0.10	0.13	0.07	0.06		0.11
7	1.08		0.22	0.80						0.10	0.11	0.07	0.06		0.10
	0.97		0.32	0.80						0.07	0.08	0.06	0.04		0.08
9	0.89		0.28	0.92						0.07	80.0	0.13	0.11		0.10
10	1.10		0.36	0.78						0.10	0.12	0.09	0.08		0.11
11	0.87		0.23	1.05						0.07	0.09	0.07	0.05		0.09
12	0.94		0.20	0.62						0.06	0.06	0.06	0.04		0.08
13	0.98		0.24	0.89						0.06	0.07	0.12	0.09		0.09
14	0.82		0.25	0.81						0.06	0.07	0.07	0.05		0.08
15	1.01		0.30	0.78						0.07	0.08	0.06	0.05		0.08
16	0.96		0.19	0.88						0.07	0.07	0.09	0.07		0.09
17	0.97		0.19	0.50						0.08	0.07	0.07	0.06		0.08
18	1.04		0.17	0.54						0.07	0.07	0.07	0.05		0.08
19	0.95		0.24	0.80						0.07	0.07	0.06	0.05		0.08
20	0.89		0.16	1.05						0.06	0.07	0.06	0.04		0.07
21	0.94		0_15	0.61						0.06	0.07	0.08	0.07		0.09
22	0.96		0.33	0.87						0.06	0.07	0.07	0.06		0.08
23	1.01		0.26	1.15						0.07	0.09	0.07	0.06		0.08
24	1.02		0 24	0.96						0.07	0.08	0.06	0.05		0.08
25	1.15		0.29	0.86						80.0	0.07	0.06	0.04		0.07
26	1.15		0.27	0.80						80.0	0.07	0.09	0.09		0.09
27	1.09		0.16	0.72						0.07	0.07	0.06	0.05		0.08
28	1.00		0.17	0.34						0.00	0.09	0.06	0.05		0.08
29	1.02		0.19	0.42						0.07	0.08	0.09	0.09		0.09
30	0.90		0.20	0.34						0.06	0.07	0.07	0.07		0.08
31															
AVERAGE	1.0	#DIV/01	0.2	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.07	0.08	0.08	0.06	#DIV/0!	0.09

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

KY0800273

REPORT MONTH/YEAR:

PAGE

11/2015

*Please answer Y/N question below this chart.

APPLICABLE TO ALL PLANTS

ANALYTICAL RESULTS (mgiL OR PPM UNLESS OTHERWISE SPECIFIED)

OF

	FLUC	ORIDE		RON		L OR PPM UNL NGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F°/C°
1	0.46	1.31	0.11	0.02	0.04	0.02			1.80	0.1	16.2
2	0.46	0.79	0.11	0.04	0.04	0.02			1.85	0.0	16.3
3	0.45	0.88	0.09	0.04	0.04	0.02			1.80	0.0	16.3
4	0.37	0.77	0.01	0.00	0.04	0.02			1.80	0.0	16.3
5	0.46	0.88	0.05	0.02	0.04	0.00			1.70	0.0	16.5
6	0.44	0.83	0.07	0.01	0.04	0.02			1.68	0.0	16.8
7	0.43	0.83	0.09	0.00	0.03	0.01			1.70	0.1	17.1
8	0.35	0.75	0.06	0.04	0.04	0.03			1.70	0.0	16.4
9	0.48	0.89	0.07	0.03	0.03	0.02			1.70	0.0	16.3
10	0.54	0.67	0.14	0.08	0.03	0.01			1.75	0.1	15.8
11	0.44	0.88	0.05	0.00	0.04	0.01			1.65	0.0	16.0
12	0.49	0.84	0.03	0.00	0.03	0.01			1.75	0.0	15.7
13	0.46	1.03	0.03	0.00	0.03	0.01			1.70	0.0	15.8
14	0.46	0.87	0.03	0.02	0.04	0.02			1.65	0.0	15.8
15	0.31	0.85	0.04	0.00	0.04	0.01			1.80	0.0	14.8
16	0.45	0.83	0.04	0.00	0.04	0.02			1.70	0.0	14.4
17	0.45	0.87	0.05	0.00	0.03	0.02			1.60	0.0	14.5
18	0.34	0.85	0.04	0.03	0.04	0.02			1.60	0.0	14.1
19	0.50	0.81	0.05	0.00	0.05	0.02			1.65	0.5	14.5
20	0.43	0.50	0.05	0.00	0.03	0.01			1.65	0.0	14.1
21	0.38	0.67	0.05	0.00	0.03	0.01			1.75	0.0	15.0
22	0.46	0.87	0.08	0.02	0.05	0.02			1.70	0.0	13.2
23	0.38	0.79	0.07	0.02	0.02	0.01			1.70	0.0	12.9
24	0.41	0.87	0.04	0.01	0.04	0.02			1.70	0.0	12.3
25	0.41	0.79	0.09	0.00	0.04	0.02			1.60	0.0	12.2
26	0.35	1.05	0.01	0.01	0.02	0.01			1.60	0.0	11.9
27	0.42	1.03	0.04	0.02	0.03	0.02			1.80	0.0	12.0
28	0.34	1.00	0.04	0.01	0.03	0.01			1.65	0.0	12.4
29	0.48	0.99	0.07	0.00	0.04	0.01			1.75	0.5	12.0
30	0.42	0.97	0.04	0.00	0.02	0.02			1.65	0.3	12.4
31											
AVERAGE	0.43	0.87	0.06	0.01	0.04	0.02	#DIV/01	#DIV/0!	Monthly Minimum	Rainfall	14.7
									1.60	THE CONTRACTOR	
							Number o	f readings	30	1.64	Visit of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control

1.64

Number of readings
For Free Chlorine, # less than 0.2 mg/L 0 For Chloramines, # less than 0.5 mg/L

24

25

28

27

28

29

31 TOTAL

AVERAGE

38,000

0

34,000

0

36,000

0 0

481,000

15,518

17,000

118,000

16,857

98.50

684.50

97.786

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273 PLANT ID: Α

OF

REPORT MONTH/YEAR: 11/2015

PAGE

FILTER OPERATION TOTAL No: No: No: 6 No: WASH WATER AREA (square feet)
WASHWATER AREA (square feet) WASHWATER AREA (square feet)
WASHWATER AREA (square feet)
WASHWATER AREA (square feet) WASHWATER 160 160 160 FILT RUN FILT RUN FILT RUN FILT RUN FILT RUN DAY GALLONS **GALLONS** HRS GALLONS HR8 GALLONS HRS GALLONS HRS GALLONS HR8 24,000 12,000 100.50 12,000 100.50 0 26,000 13,000 98.90 13,000 99.00 0 5 30,000 15,000 89.00 15,000 89.00 0 0 32,000 16,000 110.80 16,000 110.80 0 9 37,000 18,000 91.90 19,000 91.90 10 0 11 35,000 17,000 90.90 18,000 90.90 12 0 13 0 14 44,000 23,000 102.30 21,000 100.80 15 40,000 20,000 90.70 20,000 90.70 16 0 17 0 18 32,000 16,000 106.60 16,000 106.60 19 20 0 39,000 19,000 117.30 20,000 117.30 21: 22 0 23 34,000 17,000 95.70 17,000 95.70 0

19,000

18,000

122,000

17,429

94.20

91.30

694.10

99.157

19,000

18,000

124,000

17,714

94.20

91.30

694.20

99,171

0

#DIV/0!

0.00

#DIV/0]

16,714 **COPY AS NEEDED** 

117,000

17,000

96.70

681.20

97.314

ALL WATER SYSTEMS

PW9 ID : KY0800273 PLANT IO: REPORT MONTH/YEAR: 11/2015

OF PAGE 7 11 DISTRIBUTION SYSTEM OPERATION CHEMICALS ADDED TEST RESULTS CHLORINE TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) BOOSTER BOOSTER NORTH EAST WEST DAY 1.58 1.39 1.18 1.02 1,38 1.24 1.58 1.40 1.37 1.38 1.21 0.88 0.72 1.21 1.12 1.50 1.17 1.57 1.50 1.52 1.44 1.22 1.05 1.15 0.77 0.69 1.18 1.17 1.28 1.20 1.45 1.39 1,09 0.97 1.15 1.08 6 1.35 1.27 1.16 1.10 1.14 1.08 1.20 1.11 1.07 0.89 1.43 1.36 1.45 1.37 08.0 0.64 1.25 1.18 1.56 1.46 1.23 1.00 0.97 1,80 1.44 1.07 0.96 1.14 9 2.04 1.86 1.13 0.98 1,38 1.21 1.43 1.28 1.37 1.23 1.17 1:39 1.29 1.12 1.00 10 1.11 1.34 1.30 1.21 1,39 1.26 1.32 -11 1.42 1.44 12 1.30 1.23 1.27 1.19 0.97 0.88 1.02 0.90 1.34 1.28 0.59 0.49 1.24 1.18 1.50 1.44 14 1.45 1.32 1.03 0.89 1.61 1.42 1.34 1.18 1.38 1.48 15 1.16 0.88 0.70 1.31 1.08 1.29 15 1.56 1.49 1.67 1.59 1.31 1.29 1.65 1.57 17 1.41 1.34 1.33 1.27 1.38 1.23 1.39 1.30 18 1.45 1.22 1.41 1.35 0.43 0.31 1.18 1.52 19 1.48 1.44 1.09 0.97 1.57 1.34 1.52 1.39 1.14 1.40 1.26 1.02 1.16 1.12 1.31 1.22 21 1.22 1,14 0.46 0.30 1.30 1.17 1.54 1.47 1.40 1.27 1.34 1.20 1.40 1.34 1.44 1,39 1.22 1.28 1.13 1.28 1.48 1,39 23 1.14 1.24 24 1.17 1.10 0.88 0.80 1.51 1.41 1.57 1.44 25 1.50 1.38 1.30 1.15 1.64 1.46 1.15 1.04 1.47 1.41 1,55 1.53 26 1.35 1.52 1.45 1.46 27 1.13 0.99 0.89 0.80 1:30 1.20 1.23 1.14 28 1.34 1.26 1.20 1.14 1.41 1.26 1.41 1.34 1.21 1.07 1.51 1.38 1.52 1.26 29 1.43 1.18 30 1.29 1.28 1.23 0.77 0.75 1.26 1.37 1.38 31 #DIV/0I #DIV/0I AVERAGE 1.37 1.26 1.12 1.01 1.30 1.19 1.41 1,31 yerage TOTAL 0.0 0.0 0.77 0.43 0.77 1.02 0.69 0.30 0.75 0.90 Total # Chlorine Samples

30

30

30

F Less than 0.2 mg/L/0.5 mg/L |Minimum Monthly Free Number of Free Residuals Residual Minimum Monthly Total Residual 0.30 120 0.43 Number of Yotal Residuals 120 Total # Less than 0.2 mg/L 0

Total # Less than 0.5 mg/L

N Disinfectant Chloramines? (Y/N) 30 Number of days of operation?

30

30

30

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

**TURBIDITY REPORT** 

KY0800273

PWS ID: **PLANT ID:** 

Α

APPLICABLE TO ALL PLANTS WITH FILTRATION Martin County Water District

Report Period (MM/YYYY):

11/2015

PAGE: 8 OF 11

WS Na	me:	Martin	County Water District								
YAY	Hours Plant Operated	of Turbidity Samples Required	Mid - 4 am	4 am - 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	8 pm - Mid	Daily Meximum		
1	24.0	6	0.08	0.08	0.08	0.08	0.08	0.08	0.083		
2	24.0	6	0.08	0.08	0.08	0.07	0.08	0.10	0.102		
3 1	24.0	6	0.11	0.11	0.09	0.08	0.08	0.10	0.112		
4 12	24.0	6	0.09	0.13	0.11	0.09	0.09	0.10	0.130		
5	23.0	6	0.09	0.10	0.09	0.08	0.08	0.09	0.098		
6	22.0	6	0.09	0.09	0.08	0.08	0.08	0.11	0.106		
7	24.0	6	0.10	0.10	0.09	0.08	0.08	0.08	0.101		
8	23.0	6	0.08	0.08	0.08	0.07	0.07	0.08	0.080		
9	22.0	6	0.10	0.10	0.09	0.09	0.09	0.09	0.102		
0	23.0	6	0.10	0.10	0.10	0.09	0.11	0.11	0.111		
11	24.0	6	0.09	0.08	0.08	0.07	0.08	0.08	0.093		
12	22.5	6	0.08	0.08	0.07	0.07	0.07	0.07	0.079		
13	24.0	6	0.09	0.08	0.08	0.07	0.07	0.08	0.093		
14	24.0	6	0.08	0.07	0.07	0.07	0.07	0.08	0.076		
16	24.0	6	0.08	0.08	0.08	0.07	0.07	0.08	0.081		
16	23.0	6	0.08	0.08	0.07	0.07	0.07	0.09	0.088		
17	24.0	6	0.08	0.08	0.08	0.08	0.08	0.08	0.083		
18	24.0	6	0.07	0.08	0.08	0.07	0.07	0.08	0.076		
19	23.0	6	0.07	0.07	0.07	0.06	0.07	0.08	0.075		
20	24.0	6	0.07	0.07	0.07	0.07	0.07	0.07	0.074		
21	23.0	6	0.07	0.07	0.07	0.07	0.07	0.09	0.086		
22	22.0	6	0.08	0.08	0.08	0.07	0.08	0.08	0.08		
23	23.0	6	0.08	0.08	0.08	0.07	0.07	0.08	0.084		
24	22.0	6	0.08	0.07	0.07	0.07	0.07	0.07	0.082		
25	24.0	6	0.07	0.07	0.07	0.07	0.07	0.07	0.072		
26	24.0	6	0.09	0.08	0.08	0.07	0.07	0.08	0.087		
27	24.0	в	0.08	0.08	0.07	0.07	0.07	0.07	0.076		
28	24.0	6	0.08	0.08	0.08	0.07	0.08	0.08	0.083		
28	23.0	6	0.08	0.07	0.07	0.07	0.07	0.09	0.089		
30	24.0	6	0.08	0.08	0.08	0.07	0.07	0.07	0.082		
31	0.0	0							0.000		
otal	702.5	180			TC	TAL # OF TURBIDIT	Y SAMPLES TAKEN -	180	0.130		

1001 702.0 100				
ARE YOU USING EITHER CONVENTIONAL or DIRE (Any type of filtretion besides slow sand)	CT FILTRATION? (Y/N)	Y		
Number of samples exceeding> 0	.1 NTU12	0.3 NTU	0	NTU 0
For slow sand flitration, the number of samp	les exceeding>	1 NTU		NTU
*NOTE: The "Number of Turbidity Samples Requirup to the next whole number.	ed" is the number of hours the	plant operated div	ided by 4 rounded	
I certify that the above turbidity readings were	taken every 4 hours during p	lant operation and	in the time frames	noted above.
Objective of Displace Function Officer of Auth	oriend Apont			Date

Carl T. alley Signature of Principal Executive Officer or Authorized Agent

Date

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INDIVIDUAL FILT	TER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict		
PWS ID:	KY08	00273			
PLANT ID:		A			
Report Period (MM/YY	YY):	11/2	015		
If any filter exceed	eded any one of the	ne individual filter t ), complete the fo	turbidity triggers i	below, nlt	
the appropriate					PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Excaedance (if known)	Date and Time State was Contacted
	-				
	1				
	1				

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
  - obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no
- obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
  - exceedance
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation
  - (CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIO		
Ai 29		NOTE: COMPLETE	E ALL A	APPLICABLE FIELDS!!! NO	T ALL OF THE FIELDS	ARE PRE-
A1	07			POPULATED FOR YO	UIII	
	PURCHA	SED VALUE OF THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND	Service 1	10 00 00 00 00 00 00 00 00 00 00 00 00 0	SOLD	17.00
		APPLICABLE	TO ALL	WATER SYSTEMS		
FROM W	HOM? (PWS ID)	HOW MUCH? (gallons)		TO WHOM? (PWS ID)	HOW MUCH? (gal	lons)
WV330300	3	1,385/30	7			
KY0980575	5		0			
9					_	
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		Electrical Decipies	AL DIOL	NECTANT CONCENTRATIO	Name of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last o	
A HELLINS		APPLICABLE	TO AL	L WATER SYSTEMS	Mine Andrew Holland	
ANALYTE CO	DE 0999	e Maria de la constitución de las				
	ys of operation		30	Free Chlorine (for all disinfects	ants except chloramine)	
	s taken each day of ope	ration? (V/N)	Y	Number of samples under	0.2 mg/L	0
Number of sa		riadion's (1714)		Total Chlorine (when disinfects		
FREE	•		20	Number of samples under		
			20			
	FREE chlorine reading	0	.30			
	TOTAL chlorine readir		.43			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

12/05/2015 Date

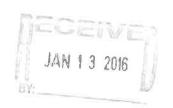
## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	11/2015	
•	-	NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL OF THE	FIELDS ARE PR	E-
		DI /	NT INE	POPULATED FOR YOU!!!	WALLEY DE LOVE AL	
**************************************				O ALL PLANTS		
PLANT ID A				(0)	2,810,000	
PLANT NAME	Martin County W	ater District			,760,333	
AGENCY INTER	EST	_	MA	XIMUM PUMPAGE (gallons per day)	,822,000	
		INDIVIDUAL F	ILTER E	FFLUENT TURBIDITY ANTS WITH FILTRATION		
Were measurem Was there a failu If Yes, (1) w (2) w Was individual fi Was individual fi Was individual fi If any of the las	nonitored continuously? (Yents recorded every 15 m are of the continuous moni- ere individual filter effluen as the continuously monital liter level greater than 1.0 liter level greater than 0.5 liter level greater than 1.0 liter level greater than 2.0 liter level greater than 2.0	inutes? (Y/N) toring equipment? (\) t turbidity grab samplering equipment repaint of the time to the time to the time to the time to the time to the time to the time to the time time to the time time time time time time time tim	es collectired with ive meastive measti	ted every four hours of operation? (Y/N)	CONCENTRATION	YYZZZZZ
Were samples to Number of samp Highest single to For all filtration e Number of so Number of so Number of so When filtration is	of plant operation aken every 4 hours of plan des taken		702.5  Y   180   0.13   12   0   0	ANALYTE CODE 0999 Number of days of plant operation Were samples taken each day of operation? (Y Number of lowest chlorine samples recorded Lowest single chlorine reading If less than required: Was residual restored within 4 hours of plant op Free Chlorine (for all disinfectants except chloro Number of samples under 0.2 mg/L Total Chlorine (when disinfectant is Chloramine) Number of samples under 0.5 mg/L	/N)1. eration? (Y/N) mine):	30 Y 30 .60
APPLICABL  ANALYTE COD  Number of days  Were samples to  Number of samples to the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the samp	of plant operation aken each day of operatio	n? (Y/N)	30 0 0.00	APPLICABLE TO PLANTS UTILIZING CH  ANALYTE CODE 1009  Number of days of plant operation  Were samples taken each day of operation? (Y  Number of samples taken  Highest single chlorite reading  Number of chlorite samples exceeded 1 mg/L	//N)	30

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

12/05/2015



#### KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

## MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

Indicate one X SURFACE WATER

MONTH DEP Form 4012Re	H & YEAR (mm/yyyy)	12/2015	with "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	Martin County Wa 2987  Crum Reserv Tug Fork	voir	PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	Martin County Water District  3 DIST. CLASS: 2  OI/07/2016  Martin  CERTIFICATION NUMBER
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3:	PERATOR(S) RESPONSII  Earl T Alley  Michael Sar  Timothy D Reed / Elb	rtin	1V-A 1V-A/11-A	17562 21944 24590 / 27800
DISTRIBUTION: THIS REP		D BY THE DIVISION AN 10 DAYS AFTER		APPLICABLE FIELD OFFICE IE MONTH.
TREATMENT PLANTS (	COMPLETE:	1,667		
2. TYPE OF FILTRATION USE	D:	Dual Me	dia	
3. DESIGN FILTRATION RATE	(gpn/sq. ft.):	2,66		
4. PERCENT BACKWASH WA	TER USED:	1.0		
DATE FLOCCULATION BAS     DATE SETTLING BASIN(S)	=	#2 - 3/18/10 #	3 - 9/2/ 09	
O. DATE SETTLING BASIN(S)	ENOT GELANED.			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those Individuals immediately responsible for obtaining the Information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibilty of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 01/06/2016 DATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

PWS ID : __PLANT ID: _

KY0800273 A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

PAGE

12/2015 OF 11

	RAW WATER	HOURS PLANT	COAGI	ULANT	COAG	ULANT	pH ADJU	STMENT	DIBINFE		DISINFE	
	TREATED	OPERATED						na .	Pr		Po	
DAY	GALLON8		LB8	PPM	LBS	PPM	LB9	PPM	1.88	PPM	LB9	PPM
1	1,649,000	22 0	142.1	10.3	3.9	0.3			298.4	21.7	149,4	10.9
2	1,770,000	24.0	155.0	10.5	4.2	0.3			324.2	22 0	161,1	10.9
3	1,775,000	23.5	151.8	10.3	4.1	0.3			317.6	21.5	157,7	10.7
4	1,823,000	24.0	155.0	10.2	4.2	0.3			338.8	22 3	163.2	10.7
5	1,751,000	23.0	148 5	10.2	4.0	0.3			342.4	23.4	162.6	11.1
Ű	1,807,000	24 0	155.0	10.3	4.2	0.3			342.4	22.7	169.2	11.2
7	1,601,000	21,5	138.9	10.4	3.8	0.3			291.8	21.9	148.9	11.2
8	1,812,000	24.0	155.0	10.3	4.2	0.3			334.8	22.2	171.0	11.3
9	1,778,000	23.5	151.8	10.2	4.1	0.3			336,0	22.7	165.7	11.2
10	1,795,000	24.0	155.0	10.4	4.2	0.3			342.4	22.9	171.2	11,4
11	1,742,000	24.0	155 0	10.7	4.2	0.3			324.2	22.3	169.2	11.6
12	1,792,000	24.0	155.0	10.4	4.2	0.3			342.2	22 9	169.2	11.3
13	1,744.000	24.0	155.0	10.7	4.2	0.3			334.8	23.0	169.2	11.6
14	1,793,000	24.0	155.0	10.4	4.2	0.3			324.2	21.7	168.6	11.3
15	1,740,000	24.0	155.0	10.7	4.2	0.3			324.2	22.3	158.4	10.9
16	1,800,000	24 0	155.0	10.3	4.2	0.3			324.2	21.6	159.8	10.6
17	1,746,000	24.0	155.0	10.6	4.2	0.3			324.2	22 3	159.8	11.0
18	1,797,000	24.0	155.0	10.3	4.2	0.3			319.8	21.3	164.9	11.0
19	1,802,000	24.0	155.0	10.3	4.2	0.3			329.8	21.9	171.0	11.4
20	1,847,000	24 0	155 0	10.1	4.2	0.3			324.2	21.0	169.2	11.0
21	1,674,000	22.0	142.1	10.2	3.9	0.3			293.8	21.0	146.5	10.5
22	1,807,000	24.0	155.0	10.3	4.2	0.3			319.6	21.2	159.8	10.6
23	1,816,000	24.0	155.0	10.2	4.2	0.3			319.6	21.1	159.8	10.6
24	1,843,000	24.0	155 0	10.1	4.2	0.3			326.2	21.2	159.8	10.4
25	1,811,000	24.0	155.0	10.3	4.2	0.3			319.6	21.2	159.8	10.6
26	1,842,000	24.0	155.0	10.1	4.2	0.3			319.6	20.8	159.8	10.4
27	1,807,000	24.0	155 0	10.3	4.2	0.3			322.0	21.4	159.8	10.6
28	1,844.000	24.0	155.0	10.1	4.2	0.3			319.6	20.8	159.8	10.4
29	1,833.000	24.0	155 0	10.1	4.2	0.3			319.6	20.9	159.8	10.5
30	1,832,000	24 0	155.0	10.1	4.2	0.3			254.6	16.7	170.4	11.2
31	1,843,000	24.0	155.0	10.1	4.2	0.3			250.9	16.3	180.8	11.8
TOTAL	55,316,000		4750.2		128.8		0.0		9905.7		5055.4	
VERAGE	1,784,387		153 2	10.3	4.2	0.3	#DIV/01	#DIV/01	319.5	21.5	163.1	11.0

MAX

1.847.000

#### APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANTID: A

REPORT MONTH/YEAR: 12/2016

2 OF 11 PAGE_

						CHI	EMICALS ADDE	0	DEPTH OAK	I uplate	SWALL BEAUTI	VICYTURES.	SIEGHIOLS:	AND THE REAL
	DISINFEC	TANT	FLUOF	RIDE	CARE	ION	LOA Hq	USTMENT	KMi	nO ₄	CORRO		HE	D2
							Po	at						
DAY	LBS	PPM	LB6	РРМ	LBS	PPM	LB8	PPM	LBB	PPM	LBS	РРМ	LBS	PPM
1	447.8	32.6	55.8	4.1										
2	485.3	32.9	60 9	4.1										
3	475.3	32.1	59.7	4.0										
	502.0	33.0	60.9	4.0										
5	505.0	34.6	58.4	4.0										
6	511.6	33.9	60.9	4_0										
7	440.7	33.0	54.6	4:1										
8	505.8	33.5	60.9	4.0										
9	501.7	33.8	59.7	4.0										
10	513.6	34.3	60.9	4.1										
11	493.4	34.0	60 9	4.2										
12	511.4	34.2	60.9	4:1										
13	504.0	34.7	60.9	4.2										
14	492.8	33,0	60.9	4.1										
16	482.5	33.3	60 9	4.2										
16	484.0	32.2	60.9	4.1										
17	484.0	33.2	60.9	4.2										
18	484.7	32.3	60.9	4,1										
19	500.8	33.3	60.9	4.1										
20	493.4	32.0	60.9	4.0										
21	440.3	31.5	55.9	4.0										
22	479.4	31.8	60.9	4.0										
23:	479.4	31.7	60.9	4.0										
24	486.0	31.6	60.9	4,0										
25	479.4	31.7	60.9	4.0										
26	479.4	31.2	60.9	4.0										
27	481.8	32.0	60.9	4.0										
28	479.4	31.2	80.9	4,0										
29	479.4	31.4	60.9	4.0										
30	425.0	27.8	60.9	4.0										
31	431.8	28.1	60.9	4.0										
TOTAL	14,961,2		1,866.6		0.0		0.0		0.0		0.0		0.0	
AVEHAGE		32.4	60.2	4.0	#DIV/0I	#DIV/01	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

OF

Α

REPORT MONTH/YEAR:

12/2015

PAGE

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11

in the second	SEANIE	US RATIONAL	ST 200	War in				PM UNLESS		E SPECIFIED	0)	(1 × 36) (1 €	Self-live and	
		рН			TAL LINITY		TAL NESS	TOP	CHLORINE	RESIDUAL	INT		TURBIDITY (	
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	FIL	TER FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT
DAT	8.08	8.06	8.01	193	190	285	280	0.67	0.57	1.79	1.71	0.85	0.25	0.07
	8.06	8.09	7.99	193	190	285	282	0.68	0.57	1.81	1.73	1.03	0.24	0.07
2	8.06	8.07	7.96	190	188	280	285	0.65	0.54	1.81	1.73	1.15	0.43	0.07
3	8.05	8.07	7.97	195	190	292	288	0.64	0.55	1.77	1.70	1.15	0.34	0.07
4	8.00	8.04	7.96	193	190	288	290	0.62	0.52	1.83	1.74	1.29	0.38	0.07
3	7.99	8.01	7.92	183	185	281	287	0.68	0.55	1.86	1.78	2.27	0.32	0.07
6	7.98	8.00	7.93	180	177	278	275	0.63	0.53	1.75	1.66	2.41	0.33	0.07
Marie Tolo		7.97	7.90	180	178	285	280	0.61	0.49	1.86	1.79	2.04	0.22	0.06
8	7.96	8.00	7.90	185	180	275	270	0.71	0.60	1.87	1.78	1.99	0.27	0.07
9		7.98		188	182	275	278	0.64	0.54	1.86	1.75	1.72	0.27	0.06
10	7.95 7.92	7.96	7.90	175	172	285	280	0.74	0.63	1.87	1.76	1.65	0.29	0.06
11	7.92	7.95	7.87	180	177	275	272	0.79	0.70	1.79	1.77	1.54	0.22	0.07
12	7.91	7.95	7.88	172	174	267	262	0.69	0.58	1.98	1.85	1.64	0.27	0.07
13	7.91	7.96	7.88	170	175	277	273	0.72	0.58	1.90	1.77	1.59	0.27	0.07
14	7.87	7.93	7.85	175	178	280	275	0.76	0.62	1.84	1.75	1.73	0.23	0.07
15	7.87	7.94	7.88	173	170	275	270	0.75	0.63	1.87	1.78	1.76	0.33	0.07
16	7.86	7.93	7.86	185	179	278	280	0.81	0.67	1.82	1.71	1.73	0.23	0.06
17	7.85	7.92	7.85	170	168	270	267	0.69	0.57	1.84	1.73	1.72	0.35	0.07
18	7.81	7.92	7.83	177	170	250	255	0.70	0.56	1.84	1.72	1.64	0.45	0.07
20	7.86	7.90	7.82	165	167	250	248	0.73	0.60	1.88	1.77	1.72	0.33	0.07
21	7.91	7.94	7.88	167	164	247	240	0.81	0.68	1.91	1.82	1.88	0.30	0.07
22	7.91	7.92	7.84	158	155	235	230	0.75	0.64	1.88	1.76	1.48	0.22	0.07
23	7.90	7.94	7.85	155	158	235	232	0.76	0.65	1.81	1.71	1.65	0.27	0.07
24	7.89	7.92	7.82	158	150	235	230	0.77	0.64	1.87	1.74	1.49	0.23	0.07
25	7.86	7.90	7.80	158	152	235	230	0.83	0.69	1.92	1.83	1.54	0.23	0.07
26	7.87	7.89	7.78	155	152	235	230	0.77	0.66	1.86	1.76	1.67	0.24	0.08
27	7.81	7.88	7.78	150	148	230	236	0.78	0.66	1.86	1.75	1.70	0 25	0.07
28	7.87	7.90	7.81	145	142	230	225	0.82	0.71	1.83	1.74	1.80	0.26	0.08
29	7.81	7.88	7.79	150	148	230	222	0.73	0.62	1.81	1.71	1.99	0.28	0.07
30	7.85	7.89	7.81	155	152	228	222	0.73	0.61	1.82	1.69	2.02	0.34	0.07
31	7.82	7.89	7.80	148	152	228	225	0.76	0.67	1.86	1.75	2.21	0.35	0.07
AVERAGE	7.9	8.0	7.9	172	169	261	259	0.72	0.61	1.85	1.75	1.68	0.29	0.07

#### **OPTIONAL INFORMATION--Surface Water Plants Only**

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA COPY PAGE AS NEEDED

PWS ID: KY0800273

PLANT ID:

A 2987

AGENCY INTEREST: REPORT MONTH/YEAR:

12/2015

PAGE 4 OF 11

7.0	94.5	100 m		NEW YEAR		AN	ALYTICAL I	RESULTS (	(TU)		NB	449	10, 10, 13	MERCEL II	
	RAW		SEDIM		BASIN EFFL	UENT					L FILTER E				CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	DAILY M	#4	#5	#6	#1	#2	#3	ILY MAXIMU	#5	#6	#7	MAXIMUM
1	0.85		0.32	0.56						0.06	0.07	0.06	0.05		0.08
2	1.03		0.24	0.54						0.07	0.08	0.06	0.05		0.08
3	1.15		0.28	0.87						0.06	0.07	0.08	0.07		0.08
4	1.15		0.22	0.87						0.06	0.07	0.07	0.07		0.08
5	1.29		0.34	0.66						0.08	0.10	0.06	0.05		0.09
6	2.27		0.21	0.67						0.07	0.09	0.06	0.05		0.08
7	2.41		0.32	0.86						0.06	0.07	0.10	0.11		0.09
8	2.04		0.16	0.42						0,05	0.06	0.06	0.05		0.07
9	1.99		0.20	0.85						0.07	0.09	0.06	0.05		80.0
10	1.72		0.18	0.74						0.08	0.09	0.06	0.05		0.08
11	1.65		0.27	0.56						0.07	0.08	0.06	0.05		0.07
12	1.54		0.22	0.35						0.07	0.07	0.10	0.09		0.08
13	1.64		0.25	0.44						0.07	0.07	0.07	0.06		0.07
14	1.59		0.32	0.44						0.10	0.11	0.07	0.05		0.08
15	1.73		0.21	0.37						0.07	0.08	0.06	0.05		0.07
18	1.76		0.28	0.80						0.07	0.07	0.11	0.11		0.08
17	1.73		0.30	0.37						0.07	0.07	0.07	0.05		0.06
18	1.72		0.21	0.67						0.11	0.11	0,07	0.05		0.06
19	1.64		0.26	0.78						0.08	0.08	0.08	0.08		0.05
20	1.72		0.21	0.68						0.07	0.08	0.07	0.06		0.06
21	1.88		0.24	0.74						0.11	0.12	0.07	0.06		0.09
22	1.48		0.22	0.28						0.11	0.11	0.07	0.06		0.08
23	1.65		0.36	0.37						0.09	0.09	0.10	0.10		0.08
24	1.49		0.28	0.34						0.08	0.08	0.08	0.08		0.07
25	1.54		0.22	0.31						0.08	0.08	0.07	0.06		0.06
26	1.67		0.25	0.29						0.14	0.14	0.07	0.06		0.07
27	1.70		0.27	0.31						0.09	0.09	0.07	0.06		0.07
28	1.80		0.26	0.41						0.08	0.08	0.11	0.12		0.08
29	1.99		0.28	0.47						0.11	0.11	0.07	0.07		0.08
30	2.02		0.26	0.78						0.10	0.10	0.07	0.06		0.08
31	2.21		0.28	0.67	-					0.07	0.07	0.08	0.08		0.07
AVERAG	€ 1.7	#DIV/01	0.3	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.08	0.09	0.07	0.07	#DIV/0!	0.07

## KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

For Chloremines, # less than 0.5 mg/L

12/2015

*Please answer Y/N question below this chart.

PAGE

OF

100	SORT WOLLS						LESS OTHERW	ISE SPECIFIED			THE PARTY NAMED IN	MATER
	FLUC	ORIDE	IF.	RON	MAI	YGANESE			Lowest Dally Chiorine Residual Plant Tap On-Line Chiorine Analyzer		RAINFALL	TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	爱	INCHES	F°/C°
1	0.41	0.46	0.04	0.00	0.03	0.01			1.60		0.7	12.6
2	0.49	1.11	0.00	0.01	0.04	0.01			1.65		1.3	12.5
3	0.34	1.14	0.07	0.04	0.02	0.01			1.70		0.0	12.5
4	0.48	0.99	0.06	0.02	0.00	0.00			1.00		0.0	12.5
5	0.40	1.11	0.06	0.00	0.02	0.00			1.65		0.0	12.2
6	0.52	1.02	0.11	0.03	0.04	0.01			1,64		0.0	12.1
7	0.34	0.91	0.08	0.00	0.03	0.02			1.70		0.0	11.7
8	0.36	1.09	0.00	0.01	0.02	0.01			1.70	T.	0.1	12.1
9	0.31	1.02	0.03	0.01	0.03	0.01			1.70	San San San San San San San San San San	0.0	11.6
10	0.39	0.96	0.04	0.00	0.03	0.02			1.70		0.0	11.7
11	0.46	1.05	0.06	0.02	0.02	0.01			0.95		0.0	11.8
12	0.37	0.95	0.01	0.04	0.02	0.01			1.50		0.0	11.5
13	0.48	0.76	0.08	0.04	0.03	0.01			1.25		0.0	11.4
14	0.38	0.86	0.01	0.10	0.02	0.00			1.65		0.0	11.9
15	0.49	0.88	0.00	0.00	0.02	0.01			0.95		0.3	12.3
16	0.29	1.03	0.11	0.08	0.02	0.01			1.70	基	0.0	11.9
17	0.41	1.00	0.06	0.00	0.00	0.00			1.65	1	0.3	12.1
18	0.38	1.09	0.09	0.03	0.03	0.00			1.64		0.2	11.9
19	0.51	0.77	0.05	0.00	0.05	0.01			1.60	1886	0.0	12.2
20	0.45	0.87	0.04	0.00	0.04	0.01			1.70		0.0	10.9
21	0.37	0.80	0.05	0.00	0.02	0.01			1.65		0.0	11.3
22	0.45	0.95	0.09	0.00	0.02	0.01			1.65		0.7	11.0
23	0.47	0.94	0.02	0.05	0.05	0.00			1.65		0.1	11.1
24	0.27	0.95	0.04	0.11	0.02	0.02			1.70		0.4	11.1
25	0.42	0.97	0.03	0.00	0.02	0.01			1.70		0.0	11.1
26	0.22	1.08	0.00	0.12	0.03	0.01			1.75	2	0.9	11.3
27	0.08	0.77	0.09	0.00	0.05	0.02			1.70	100	0.0	11.2
28	0.27	0.99	0.08	0.06	0.02	0.01			1.70		0.2	11.4
29	0.38	0.90	0.02	0.00	0.02	0.01			1.70		0.1	11.5
30	0.21	0.74	0.07	0.01	0.02	0.01			1.65		0.0	11.3
31	0.31	0.92	0.02	0.05	0.03	0.02			1.64		0.0	11.4
AVERAGE	0.38	0.94	0.05	0.03	0.03	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Diego.	Rainfall	11.7
									0.95		10 Feb. 100	
							Number of	of readings	31	100	5, 17	
								nlorine, # less .2 mg/L	0			
					1			mines, # less		1		

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 12/2016

PAGE 6 OF 11

								PAGE	6	OF	11
	DAY DESCRIPTION	CONSTRUCTION OF STR	OLD AND SE					No:	6	No:	
	TOTAL WASH WATER	No: AREA (square feet)	160	NO: AREA (square feet)	160	No: AREA (square feet)	160	AREA (square feet)	160	AREA (square feet)	
	WAGII WATER	WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN	WASHWATER	FILT RUN
DAY	GALLONS	GALLONS	HRS	GALLON8	HRS	GALLONS	HRS	GALLON8	HRS	GALLONS	HRS
1	0										
2	34,000	17,000	99.90	17,000	96.40						
3	36,000					18,000	92.40	18,000	92.40		
4	0										
5	34,000	17,000	87	17000.00	87						
6	0										
7	35,000					18,000	92.60	17,000	92.60		
8	0										
9	35,000	18,000	92.10	17,000	92.10						
10	0										
11	38,000					19,000	97.80	19,000	97.90		
12	0										
13	36,000	18,000	99.70	18,000	99.60						
14	0										
16	38,000					19,000	95.50	19,000	95,50		
16	0										
17	36,000	18,000	96.00	18,000	95.30						
18	0										
19	33,000					17,000	86.80	16,000	86.80		
20	0										
21	34,000	17,000	91.00	17,000	91.00						
22	0										
23	34,000					17,000	93.20	17,000	93.20		
24	0										
26	36,000	18,000	98.90	18,000	96.60						
26	0										
27	36,000					18,000	102.50	18,000	102.60		
28	0										
29	34,000	17,000	90.80	17,000	90.80						
30	0										
31	34,000					17,000	87.00	17,000	87.00		
TOTAL	563,000	140,000	755.40	139,000	748.80	143.000	747.80	141,000	748.00	0	0.00
AVERAGE	18,161	17,500	94.425	17,375	93.600	17,875	93.475	17,625	93.500	#DIV/01	#DIV/0

COPY AS NEEDED

PWS ID :

KY0800273

PLANT ID:

REPORT MONTH/YEAR:

A 12/2016

ALL WATER SYSTEMS

PAGE 7 OF 11

- 1	CHE	MICALS ADDED	The same of	SCHOOL STATE	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Distribution	SYSTEM OPERATI	RESULTS	TO PRODUCE THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED A		1112000
	CHLORINE	CHLORINE		ear ear	ORTH		L (T) AND FREE (F)	CHLORINE RESIDUA	L (ppm) IST	u.e	ST
AY	LBS	LB8		T	F	T	F	T	F	T	P
1				1.26	1.23	1.14	1:13	0.42	0.33	1.27	1.26
2				1.33	1.26	1.39	1,30	1,51	1.48	1.49	1.40
		7	and the	1.28	1.23	1.14	1.09	1.34	1,22	1,35	1.28
			1250/6	0.87	0.74	0.63	0.61	0.88	0.82	1,38	1.31
				1.25	1:17	1.25	1.18	1.35	1.29	1.46	1.40
				1.48	1.33	1,20	1.08	0.59	0.52	1.50	1.38
				1.09	1.04	1.33	1.26	0.67	0.64	1:41	1.32
28				1,48	1.35	0.57	0.50	0.87	0.76	1,28	1.23
			1975	1.44	1.38	1.27	1.18	1.34	1.27	1.36	1.29
)				1.41	1.28	1.20	1.08	1.30	1.25	1.56	1.49
i i				0.88	0,76	0.47	0.36	1.16	1.09	1.11	1.10
2				1.87	1.78	1.00	0.87	1.44	1.32	1.44	1.32
3				1.39	1.24	1.14	1.01	1.66	1.49	1.66	1.53
4				1.34	1.20	1.28	1.23	1.46	1.41	1.50	1.42
5				1.12	1.07	0.71	0.65	1.34	1.19	1.10	0.93
đ				1.37	1 23	1.18	1.11	1.26	1.19	1:17	1.09
7				1.29	1.17	1,19	1.11	0.91	0.85	1.22	1.12
В				1.13	0.96	0.97	0.88	1.18	1.10	1.33	1.23
1			188	1.52	1.40	1.20	1,13	1,15	1.01	1.37	1.33
0			210.2000	1.87	1.74	1.18	1.02	1.30	1.13	1.41	1.26
				1.41	1.35	1.27	1.19	1.52	1.40	1.61	1.58
2			Martic	1.92	1.84	0.59	0.43	0.69	0.54	1.52	1.41
				1 28	1 23	0.98	0.91	1.44	1,40	1.00	0.96
				1.45	1.30	1,21	1.01	1.64	1.52	1,53	1.40
3				1.92	1.82	1.28	1.17	1.28	1.16	1.32	1.19
0				1,51	1.37	0.90	0.76	1.63	1.50	1.61	1.47
,				1.43	1,23	1,25	1.11	1.58	1.44	1.53	1.43
e			1838	1.47	1.44	1.31	1 22	1.42	1.32	1.19	.1.13
3			STOLET	1.29	1,19	1.28	1.17	0.39	0.34	1,58	1.47
0				1.40	1.34	1.35	1.26	1.39	1.32	1.49	1.4
			1919	1.39	1.28	1.50	1,44	1.34	1.30	1,22	1.17
ME	#DIV/01	#DIV/0I	Average	1.39	1.29	1.11	1.01	1.21	1.12	1.39	1.30
	0.0	0.0	Total Minimum	0,87		0.47		0.39		1.00	
		F	Minimum		0.74		0.36		0.33		0.93

Number of Free Residuals 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Residual 124 Re

#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

Signature of Principal Executive Officer of Authorized Agent

PWS ID: KY0800273 TURBIDITY REPORT PLANT ID: Α APPLICABLE TO ALL PLANTS WITH FILTRATION Report Period (MM/YYYY): 12/2015 PAGE: 8 OF 11 Martin County Water District PWS Name: Duity # of Turbidity 4 am - 8 am 8 am - Noon 4 pm - 8 pm 8 pm - Mid Maximum Operated Samples Required Mid - 4 am Noon - 4 pm 0.08 0.07 0.07 0.07 0.07 0.080 22.0 6 0.07 24.0 6 0.07 0.08 0.08 0.07 0.07 0.07 0.080 0.08 0.081 0.07 23.5 6 0.07 0.07 0.07 0.06 3 0.07 0.07 0.08 0.083 0.08 0.08 4 24.0 6 0.08 23.0 6 0.07 0.07 0.07 0.08 0.08 0.09 0.086 В 0.07 0.081 24.0 6 0.08 0.07 0.08 0.07 0.07 6 0.07 0.07 0.09 0.089 0.07 0.07 21.5 6 0.07 24.0 6 0.07 0.07 0.06 0.06 0.06 0.06 0.068 8 0.06 0.07 80.0 0.081 23.5 6 0.06 0.06 0.06 9 24.0 6 0.08 0.07 0.07 0.07 0.07 0.07 0.078 10 24.0 6 0.07 0.06 0.06 0.06 0.06 0.066 11 0.07 6 0.07 0.07 0.07 0.07 0.07 0.078 24.0 0.08 12 0.06 0.07 0.068 24.0 6 0.07 0.07 0.07 0.06 13 6 0.08 0.07 0.07 0.07 0.07 0.07 0.081 24.0 14 24.0 6 0.07 0.07 0.07 0.06 0.06 0.06 0.06615 0.05 0.05 0.082 24.0 6 0.07 0.06 0.06 16 0.08 6 0.06 0.06 0.05 0.05 0.05 0.059 24.0 0.05 17 24.0 0.05 0.06 0.05 0.05 0.05 0.061 6 0.06 18 6 0.04 0.05 0.05 0.053 24.0 0.05 0.05 0.05 19 6 0.06 0.06 0.05 0.05 0.05 0.057 24.0 0.05 20 22.0 6 0.05 0.05 0.05 0.05 0.05 0.09 0.092 21 24.0 6 0.08 0.07 0.07 0.07 0.06 0.08 0.080 22 0.06 0.08 0.07 0.077 24.0 6 0.07 0.07 0.07 23 0.06 0.05 0.05 24.0 6 0.07 0.06 0.05 0.071 24 24.0 6 0.06 0.06 0.05 0.05 0.05 0.06 0.064 25 24.0 6 0.07 0.06 0.07 0.06 0.06 0.06 0.074 26 0.05 0.07 6 0.05 0.05 0.05 0.065 24.0 0.05 27 0.06 0.05 0.05 0.05 0.06 0.080 24.0 6 0.08 28 0.05 0.05 0.06 0.07 0.08 0.084 24.0 6 0.06 29 0.06 0.06 0.080 24.0 6 0.08 0.07 0.07 0.06 30 0.07 24.0 6 0.06 0.06 0.06 0.06 0.07 0.072 31 186 0.092 735.5 186 TOTAL # OF TURBIDITY SAMPLES TAKEN Total ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) (Any type of filtration basides slow sand) 0.1 NTU 0.3 NTU 0 1 NTU Number of samples exceeding ----> 5 NTU____ For slow sand filtration, the number of samples exceeding ---> 1 NTU *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number. I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

01/06/2016 Date

	A	PPLICABLE TO ALL	SURFACE WATER I	PLANTS WITH FILTRATION	
INDIVIDUAL FIL	TER TURBIDITY E	KCEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict	i e	
PWS ID:		00273			
PLANT ID:		4 2/2	2015		
Report Period (MM/)					
	eeded any one of th				
(also listed on the appropriate	the Summary Sheet report(s).	t), complete the fo	ollowing and subt	nit	PAGE 9 OF 1
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see	Reason for Exceedance (if known)	Date and Time State was Contacted
0410	A Mar Halloon			A Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Comp	
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#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.:

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.:

Filler number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.:

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

#### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	12/2015	
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL OF THE	FIELDS ARE	PRE-
				POPULATED FOR YOU!!!		
E CONTRACTOR				ORMATION: O ALL PLANTS	SERVICE STREET	
PLANTID A		APPLIC		F	i,316,000	
PLANT NAME	Martin County W	Jater District			784,387	_
AGENCY INTER		ater District	-		847,000	_
		00				
		INDIVIDUAL P	ILTER E	FFLUENT TURBIDITY		400
		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION		
ANALYTE CODE	0100					
Was each filter n	nonitored continuously? (Y	'/N)				Y
Were measurem	ents recorded every 15 m					
	ire of the continuous moni					N
				ted every four hours of operation? (Y/N)		
	as the continuously monitor			***************************************		
	Iter level greater than 1.0 I				\/h!\	N
				surements after on line for more than four hours? (	Y/N)	N
				surements in three consecutive months? (Y/N) surements in two consecutive months? (Y/N)		N
				dity Sheet and submit with the MOR		[15]
Variable and the second			ter rurbi		CONFORMEDATE	CNN
	ABLE TO ALL PLANTS			ENTRY POINT RESIDUAL DISINFECTANT O APPLICABLE TO ALL PLAN		CH
ANALYTE CODE				ANALYTE CODE 0999		24
	of plant operation		735.5	Number of days of plant operation	NIX	31
Number of samp	aken every 4 hours of plan	t operation? (Y/N)	Y 186	Were samples taken each day of operation? (Y/I Number of lowest chlorine samples recorded	.N)	Y 31
Highest single tu			0.09	Lowest single chlorine reading		0.95
	except slow sand filtration:			If less than required:		
	amples exceeded 0.1 NTU		0	Was residual restored within 4 hours of plant ope	eration? (Y/N)	
Number of sa	amples exceeded 0.3 NTU	***************************************	0	Free Chlorine (for all disinfectants except chloron	nine):	
Number of sa	amples exceeded 1 NTU		0	Number of samples under 0.2 mg/L		0
	s slow sand filtration:			Total Chlorine (when disinfectant is Chloramine):		
	amples exceeded 1 NTU			Number of samples under 0.5 mg/L		_
Number of sa	amples exceeded 5 NTU					
CHLOR	INE DIOXIDE ENTRY PO	INT MONITORING		CHLORITE ENTRY POINT MONIT	TORING	
	E TO PLANTS UTILIZING		DE	APPLICABLE TO PLANTS UTILIZING CHL	ORINE DIOXID	E
ANALYTE COD				ANALYTE CODE 1009		
	of plant operation	*************	31	Number of days of plant operation		31
	aken each day of operation	1? (Y/N)		Were samples taken each day of operation? (Y/I	N)	
Number of samp		***************************************	0	Number of samples taken		0 00
	hlorine dioxide reading ine dioxide samples excee	llam R O bab	0.00	Highest single chlorite reading  Number of chlorite samples exceeded 1 mg/L		0.00
Hullings of Cillon	me dioxide samples excee	dod 0.0 mg/L		Transactor enterties anniples exceeded 1 mg/L		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

01/06/2016

Date

## KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITORI	NG PERIOD (MN	12/2	015
AI 298	37	NOTE: COMPL	ETE ALL	APPLICABLE FIEL		OF THE FIELDS	ARE PRE-
				POPULATED			
EW SERVE	PURCHAS		No Francis	Control of the control	SOLD	SALHE ATA-7	
FROM WIL	IOM? (PWS ID)	HOW MUCH? (gallor	E TO AL	TO WHOM? (F	INIC IDI	HOW MUCH? (g	allone)
				TO WHOM? (F	VV3 ID)	HOW MOOTH (9	allons
WV3303003		2,099		DH			
KY0980575							
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Mar and the same	American Company of the		VIII. (2)(2)	VESTALLE COVOSTA	TO TON	E JUNE DE LES	Service Company
	TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	DISTRIBUTION RESIL		L WATER SYSTEMS	TIRATION		
ANALYTE COL	DE 0999	ALT EIGHE	10712	2 11111 1111 1111 1111			
Number of days	of execution		31	Free Chlorine (for all	disinfectants exce	ept chloramine)	
	taken each day of oper	ation? (Y/N)	Y	Number of sample			0
Number of sam		Trivy many	]	Total Chlorine (when	-	,	
FREE			124	Number of sample			
TOTAL			124				
Lowest single F	REE chlorine reading		0.33				
Lowest single 1	TOTAL chlorine reading	***************************************	0.39				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

01/06/2016

PWS ID :

KY0800273

PLANT ID:

A 2987

AGENCY INTEREST:

## **ANNUAL WATER SYSTEM DATA**

## APPLICABLE TO ALL WATER SYSTEMS

## TO BE SUBMITTED WITH DECEMBER MOR

NUMBER OF METER	S:	SYSTEM POPULATION: 10,4				
RESIDENTIAL: 3,249 COMMERCIAL: 277 INDUSTRIAL:		TOTAL POPULATION SERVED IN CONSECUTIVE SYSTEMS: (REFER TO TABLE BELOW)				
(INFORMATION ON THE SYS	TEM POPULATIONS: STEMS/AREA TO WHOM YOU					
PWSID# # OF	METERS PWSID #	# OF METERS				
CONTACT INFORMATI						
	WATER SYSTEM MANAGER/SUPERINT.	PLANT A	PLANT B			
NAME	John Mills	Earl T Alley				
TITLE	General Manager	Plant Manager				
OFFICE PHONE	606-298-3885	606-298-7439 ext 5				
CELL PHONE	606-626-7741	606-626-0839				
AFTER-HOURS PHONE	606-626-7741	606-395-5613				
	387 E Main St, Suite 140	14 Flat Hollow				
	Inez, Ky 41224	Inez, Ky 41224				
EMAIL ADDRESS	jmills@bellsouth.net	etalley47@gmail.com				
NAME	PLANT C	DISTRIBUTION	MOR CONTACT Earl T Alley			
TITLE			Plant Manager			
OFFICE PHONE			606-298-7439 ext 15			
CELL PHONE			626-0839			
AFTER-HOURS PHONE			606-395-5613			
MAILING ADDRESS		-	14 Flat Hollow			
MINICITY ADDITION			Inez, Ky 41224			
EMAIL ADDRESS		-	etalley47@gmail.com			

# Specific Site Information Bacteriological and MRDL Monitoring Plan

**PWSID:** 

0800273

Eli Road

Route 3

Kentucky 41224

Inez

Address:

State/Zip:

City:

116

EC	E	El	VE	7
MAY	1	1	2011	
	•			Ļ

Service

	Name:	Martin County Water District		Connections: 3,60	)6	
	Address:	387 East Main Street, Suite 140		System		
	City/State/Zip	: Inez Kentucky 41224		Population		
	County:	Martin		Served: 10,4	157	
		Revised:	OR New: _x			
Samplin Site No.	g	Sampling Site Location		Type of Facility	7	
	Name:	Martin County Water Treatment Plant	Residential:	Medical:		
	Address:	14 Flat Hollow	Commercial:			
112	Address:		School:	Public Bldg:	x	
112	City:	Inez	Other (specify):	x The end of an Asbestos Line		
	State/Zip:	Kentucky 41224				
	Name:	Fire Hydrant	Residential:	Medical:		
	Address:	Blacklog Road	Commercial:			
113	Address.	Route 40 East	School:	Public Bldg:		
113	City:	Inez	Other (specify):	x Fire Hydrant at Line	the end of Asbestos	
	State/Zip:	Kentucky 41224				
	Name:	Fire Hydrant	Residential:	Medical:		
		Castle Branch Road	Commercial:			
114	Address:	Route 3	School:	Public Bldg:		
	City:	Inez	Other (specify):	x Fire Hydrant at the end of Asbestos		
	State/Zip:	Kentucky 41224				
	Name:	Fire Hydrant	Residential:	Medical:		
	Address:	Cold Water Road	Commercial:			
115	Address:	Route 908	School:	Public Bldg:		
112	City:	Inez	Other (specify):	x Fire Hydrant at the end of Asbestos Line		
	State/Zip:	Kentucky 41224				
	Name:	Otto Brown Pump Station	Residential:	Medical:		

Prepared By: Earl T. Alley

Date: 05-11-2011 Page 1 of 1

Commercial:

School:

(specify):

Other

Public Bldg:

Asbestos Line

x Pumping Station at the end of

## Specific Site Information Bacteriological and MRDL Monitoring Plan

PWSID:	0800273	Service	
Name:	Martin County Water District	Connections:	3606
Address:	387 East Main Street, Suit 140	System	
City/State/Zip:	Inez Kentucky 41224	Population	
County:	Martin	Served:	10,457

Revised: OR

New: x

Sampling	
Site No.	

### **Sampling Site Location**

**Type of Facility** 

	Name:	Earl T. Alley	Residential:	x	Medical:	
	Address:	169 Williams Branch	Commercial:			
103	Address:		School:		Public Bldg:	
105	City:	Warfield	Other (specify):			4-704
	State/Zip:	Kentucky 41267				
	Name:	Wendell Stanley	Residential:	x	Medical:	
	Address:	PO Box 181	Commercial:			A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA
104	Audress:		School:		Public Bldg:	
104	City:	Beauty	Other (specify):			
	State/Zip:	Kentucky 41203				
	Name:	Maurice Mills	Residential:	x	Medical:	
	A 33	2026 Rockhouse Road	Commercial:			
105	Address:		School:		Public Bldg:	
103	City:	Tomahawk	Other (specify):			
	State/Zip:	Kentucky 41262				
	Name:	Warfield Middle School	Residential:		Medical:	
	Address:	130 Middle School Drive	Commercial:			11
106	Address.	PO Box 366	School:	x	Public Bldg:	
100	City:	Inez	Other (specify):			
	State/Zip:	Kentucky 41224				
	Name:	Fast Lane #2	Residential:		Medical:	
	Addmone	512 Blacklog Road	Commercial:		W	
107	Address:	PO Box 248	School:		Public Bldg:	x
10/	City:	Lovely	Other (specify):			
	State/Zip:	Kentucky 41231				

Prepared By:	Earl T. Alley			
Date:	09 - 16 - 2010	Page 1	of 2	

# Specific Site Information Bacteriological and MRDL Monitoring Plan

	PWSID:	0800273			Service	
	Name:	Martin County Water District			Connections:	3,606
	Address:	387 East Main Street, Suite 140			System	
	City/State/Zip	Inez Kentucky 41224			Population	
County:	County:	Martin			Served:	10,457
		Revised:	OR	New: _x		
ampling		Sampling Site Location			Type of Fa	cility

Sampling Samplin Site No.

	Name:	Beauty Post Office	Residential:		Medical:	
	Address:	7815 Beauty Road	Commercial:			
08	Address:		School:		Public Bldg:	x
U <b>o</b>	City:	Beauty	Other (specify):			
	State/Zip:	Kentucky 41203				
	Name:	Josh Williams	Residential:	x	Medical:	
	Address:	127 Ralph Williams Road	Commercial:			
09	Address:		School:		Public Bldg:	
.07	City:	Inez	Other (specify):			2 2
	State/Zip:	Kentucky 41224				
	Name:	292 Pumping Station	Residential:		Medical:	k o
	Address:	Route 292 South	Commercial:			
110			School:		Public Bldg:	
110	City:	Lovely	Other (specify):		x Martin County Water Pumping Station	
	State/Zip:	Kentucky 41231				
	Name:	Adkins Miners Mart	Residential:		Medical:	
	Address:	PO Box 118	Commercial:			
111	Address:		School:		Public Bldg:	x
111	City:	Pilgrim	Other (specify):			
	State/Zip:	Kentucky 41250				
	Name:		Residential:		Medical:	
			Commercial:			
	Address:		School:		Public Bldg:	107
	City:		Other (specify):			
	State/Zip:					

Prepared By:	Earl T. Alley	_			
Date:	09 – 16 - 2010	Page	2	of	2

### Kentucky Division of Water Operational Evaluation Reporting Form

MAY 0.7 2015 PWSID: KY 0800273

Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" TTHM and HAA5 resulby for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAA5 levels and avoid non-compliance.

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- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

Date of OEL Report: 04/22/15

Date of written approval for limited evaluation (if applicable):

		Results from 3rd Qtr.	Results from <u>4th</u>	Results from 1st Qtr. 2015	Operation	Check If Column E Exceeds 0.080
		20 <u>14</u> (Two	Qtr. 20 <u>14</u>	(Current	<b>Evaluation Level</b>	mg/L for TTHMs
		Quarters	(Previous	Quarter)	(OEL)	or 0.060 mg/L for
		Ago)	Quarter)			HAA5—If so,
						complete Page 2
						and submit to
Site ID	Analyte	Α	В	С	D= (A+B+(2*C))/4	DOW
SM8	ТТНМ	0.178	0.053	0.039	0.077	
21410	HAA5	0.095	0.099	0.057	0.077	$\boxtimes$
SM7	ТТНМ	0.173	0.078	0.036	0.081	$\boxtimes$
31717	HAAS	0.046	0.128	0.062	0.075	$\boxtimes$
118	TTHM	0.155	0.049	0.030	0.066	
110	HAA5	0.102	0.098	0.030	0.065	
119	ТТНМ	0.158	0.040	0.044	0.072	
	HAAS	0.090	0.078	0.056	0.070	
	TTHM				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ТТНМ				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	

Sample Collection and Handling					
Were all TTHM and HAA5 samples collected and handled using proper SOPs? Yes No					
Who collected the samples? PWS	Contract Lab				
Did sample collection and handling factors contribute to exceedance? Yes No S  Other/Explain:					
Source Quality					
Did source water quality factors contribute to	exceedance? Yes No No				
(check all that apply)	exceedances res 🖂 No 🗀				
Point or non-point source contamination	Storage time longer than normal				
New source placed on-line	Algae bloom in source water	Lake or reservoir turnover			
Stream flow rates/reservoir level higher	Stream flow rates/reservoir level lower	Long term drought			
than normal	than normal				
Other/Explain:					
Treatment Change/Problems					
Did water treatment factors contribute to exce	eedance? Yes 🛛 No 🗌				
(check all that apply)					
Problem with clearwell operation	☐ Increased filter effluent turbidity	Filters operated beyond capacity			
Abnormal influent turbidity	Coagulation/sedimentation problems	Excessive filter run-time			
Abnormal influent temperature	☐ Abnormal flow rates/short-circuiting	TOC removal problems			
Pre-disinfectant added/changed	Sludge blanket/carryover problems	Abnormal pH/Alkalinity			
Disinfectant feed higher than normal					
Other/Explain:					
Distribution System					
Did distribution system factors contribute to e	xceedance? Yes 🗌 No 🔀				
(check all that apply)					
Flushing (routine or compliant)	Fires or hydraulic disturbance	☐ Valves operated in vicinity			
Disinfectant residual lower than normal	☐ High volume customer usage	Breaks or line replacements			
☐ Disinfectant residual higher than normal	☐ Water temperature higher than normal	Booster chlorination			
☐ Water quality at Master Meter exceeds MC		to high water age)			
Other/Explain:					
Storage Tank Operations					
Did water storage operations/factors contribute	te to exceedance? Yes No 🛛				
(check all that apply)	<u></u> —				
☐ Tank removed from service	Tank upstream from sample site	Excessive storage capacity			
Tank cleaned/maintenance	Operated "last in –first out"	Excessive ambient temperature			
Excessive tank draw-down	☐ Improper level fluctuations	Disinfectant residual low in tank			
Other/Explain:					
Additional Comments					
Adjustments being made to treatment process. Instructed by DOW personnel to begin feeding carbon.					
Assistance being received for corrective action plan and treatment plant optimization.					
		Earl T. allas			
Completed By: Earl T Alley	Plant Manager	/			
(Printed Name)	(Title)	(Signature)			
Phone: 606-298-7439 ext	5 E-mail: etalley47@gma	il.com Date: 04/30/15			

## Kentucky Division of Water Operational Evaluation Reporting Form

JUL 0 6 2015 PWSID: KY 0800273

Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" TTHM and HAA5 results for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAA5 levels and avoid non-compliance.

- Once 3 quarters of Stage 2 DBP data is available and every quarter from that time on, Page 1 of this form is to be used to
  determine if one or more of the compliance monitoring sites have exceeded the Operational Evaluation Levels (OEL) for
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- If the calculated OEL for any site exceeds the MCL, you shall complete Page 2 and submit it to the State no later than 90 days following the end of the quarter. This report includes an examination of system treatment and distribution practices, including storage tank operations, excess storage capacity, distribution system flushing, changes in sources or source water quality, and treatment changes or problems that may contribute to TTHM and HAA5 formation and what steps could be considered to minimize future exceedances.
- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

Date of OEL Report: 04/22/15

Date of written approval for limited evaluation (if applicable):

Site ID	Analyte	Results from 3rd Qtr. 2014 (Two Quarters Ago)	Results from <u>4th</u> Qtr. 20 <u>14</u> (Previous Quarter)	Results from  1st Qtr. 2015  (Current Quarter)	Operation Evaluation Level (OEL)  D= (A+B+(2*C))/4	Check If Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page 2 and submit to DOW
SM8	HAA5	0.095	0.099	0.057	0.077	$\boxtimes$
	TTHM	0.173	0.078	0.036	0.081	
SM7	HAA5	0.046	0.128	0.062	0.075	$\boxtimes$
440	ттнм	0.155	0.049	0.030	0.066	
118	HAA5	0.102	0.098	0.030	0.065	
110	TTHM	0.158	0.040	0.044	0.072	
119	HAA5	0.090	0.078	0.056	0.070	
	TTHM				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	TTHM				0.000	<u> </u>
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	TTHM				0.000	<u> </u>
	HAA5				0.000	<del>                                     </del>
	TTHM				0.000	
	HAA5				0.000	

Sample Collection	and Handling				
Were all TTHM and	I HAA5 samples collected and	handled using proper SOPs? Yes 🛛 No 🗌			
	Who collected the samples? PWS ☐ Contract Lab ⊠				
Did sample collection and handling factors contribute to exceedance? Yes No					
Other/Explain:					
Source Quality		And the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of th			
	quality factors contribute to	exceedance? Yes No			
(check all that app					
	oint source contamination	Storage time longer than normal	Heavy Rainfall or snowmelt		
☐ New source pla		Algae bloom in source water	Lake or reservoir turnover		
	tes/reservoir level higher	Stream flow rates/reservoir level lower	Long term drought		
than normal	tes, reservoir level ingile	than normal			
Other/Explain:					
Treatment Chan	ge/Problems				
Did water treatme	nt factors contribute to exce	edance? Yes 🛛 No 🗌			
(check all that app	ly)				
Problem with a	clearwell operation	☐ Increased filter effluent turbidity	Filters operated beyond capacity		
🛚 Abnormal influ	ent turbidity	Coagulation/sedimentation problems	Excessive filter run-time		
Abnormal influ	ent temperature	Abnormal flow rates/short-circulting	☐ TOC removal problems		
Pre-disinfectar	nt added/changed	☐ Sludge blanket/carryover problems	☐ Abnormal pH/Alkalinity		
Disinfectant fe	ed higher than normal				
Other/Explain:		2			
Distribution Syst			V		
	stem factors contribute to e	xceedance? Yes 🗌 No 🔀			
(check all that app		-			
	ne or compliant)	Fires or hydraulic disturbance	☐ Valves operated in vicinity		
	sidual lower than normal	High volume customer usage	Breaks or line replacements		
	sidual higher than normal	Water temperature higher than normal	Booster chlorination		
Other/Explain: Storage Tank Operations					
	operations/factors contribut	te to exceedance? Yes 🔲 No 🖂			
(check all that app	•				
Tank removed		Tank upstream from sample site	Excessive storage capacity		
Tank cleaned/		Operated "last In –first out"	Excessive ambient temperature		
Excessive tank		Improper level fluctuations	Disinfectant residual low in tank		
	Other/Explain:				
Additional Comments					
Adjustments being made to treatment process. Instructed by DOW personnel to begin feeding carbon.					
Assistance being received for corrective action plan and treatment plant optimization.					
Managante being	received for corrective action	, plan and deathers plant optimization.			
		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			
Completed By:	Earl T Alley	Plant Manager	Earl T Alley		
, , ,	(Printed Name)	(Title)	(Signature)		
		•			
Phone:	606-298-7439 ext	5 E-mail: etalley47@gma	all.com Date: 04/30/15		

### Kentucky Division of Water Operational Evaluation Reporting Form

JUL 1 4 2015

PWSID: KY 0800273

Facility Name: Martin County Water District

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Date of OEL Report: 07/06/15

Date of written approval for limited evaluation (if applicable):

		Results from <u>4th</u> Qtr. 20 <u>14</u> (Two Quarters Ago)	Results from <u>1st</u> Qtr. 20 <u>15</u> (Previous Quarter)	Results from 2nd Qtr. 2015 (Current Quarter)	Operation Evaluation Level (OEL)	Check If Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page 2
Site ID	Analyte	Α	В	С	D= (A+B+(2*C))/4	and submit to DOW
	TTHM	0.053	0.039	0.049	0.048	1 1
SM8	HAA5	0.099	0.057	0.056	0.067	
	TTHM	0.078	0.036	0.064	0.061	
SM7	HAA5	0.128	0.062	0.066	0.081	
	TTHM	0.049	0.030	0.119	0.079	
118	HAA5	0.098	0.030	0.037	0.051	
	TTHM	0,040	0.044	0.054	0.048	
119	HAA5	0.078	0.056	0.057	0.062	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	TTHM				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	

Sample Collection a	nd Handling				
Were all TTHM and I	HAA5 samples collected and	handled using	proper SOPs? Yes 🛛 No		
Who collected the sa		Contract Lab	_		
	n and handling factors cont			$\bowtie$	
Other/Explain:	Trains run annig receive con-				
Source Quality					
	ality factors contribute to e	vcoodanco? V	es 🕅 No 🗍		
(check all that apply		,xcccaancer r			
1		Ctorage ti	me longer than normal	Ш	Heavy Rainfall or snowmelt
V ===	nt source contamination		om in source water		Lake or reservoir turnover
New source place			ow rates/reservoir level lower		Long term drought
than normal	es/reservoir level higher	than normal	ow rates/reservoir tever lower	Ц	cong term arought
Other/Explain:					
Treatment Change					······································
	t factors contribute to exce	edance? Yes	X No 🗆		
(check all that apply			سا *** س		
	, earwell operation	Increased	filter effluent turbidity	Filters or	perated beyond capacity
Abnormal Influe		_	on/sedimentation problems		e filter run-time
Abnormal Influe			I flow rates/short-circulting		oval problems
			anket/carryover problems		al pH/Alkalinity
Pre-disinfectant	-	□ Sidde bi	anker/carryover problems	⊠ Abiloilli	at bit/ Aikamitty
	d higher than normal				
Other/Explain:					
Distribution Syste			[] [Z]		
	tem factors contribute to ex	kceedance? Ye	s 🗌 NO 🔯		
(check all that apply		□ e		□ Values e	acceted in violativ
Flushing (routin		_	ydraulic disturbance	=	perated in vicinity
	idual lower than normal	_	me customer usage		r line replacements
1 —	idual higher than normal	_	mperature higher than normal		chlorination
1	t Master Meter exceeds MC	L 🔛 Low volu	me customer usage (contribut	ing to high water a	ge)
Other/Explain:					
Storage Tank Ope					
	perations/factors contribut	te to exceedan	ce? Yes 🗌 No 🔀		
(check all that apply	,				The seconds
Tank removed f			tream from sample site	_	e storage capacity
Tank cleaned/m			l "last In –first out"	=	e ambient temperature
Excessive tank of	Iraw-down	∐ Imprope	level fluctuations	☐ Disinfect	tant residual low in tank
Other/Explain:	=				
Additional Comm				i	Walley and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sam
Adjustments being	made to treatment proces	s. Instructed by	DOW personnel to begin feed	ding carbon.	
Assistance being r	eceived for corrective action	plan and treat	ment plant optimization.		
Completed By:	Earl T Alley		Plant Manage	r	Ent TAIlon
Completed by	(Printed Name)		(Title)		(Signature)
	(i finited stainle)		(1160)		(Signature) Date $07/08/15$
Phone:	606-298-7439 ext	5	E-mail: etalley47@b	ellsouth.net	07/08/15
					2.12

Rev. December 2013

Page 2 of 2

### Kentucky Division of Water Operational Evaluation Reporting Form

MAR 2 5 2016

BY:WSID: KY 0800273

Facility Name: Martin County Water District

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Date of OEL Report: 03/17/16

Date of written approval for limited evaluation (if applicable):

		Results from <u>3rd</u> Qtr. 20 <u>15</u> (Two Quarters Ago)	Results from <u>4th</u> Qtr. 20 <u>15</u> (Previous Quarter)	Results from  1st Qtr. 2015  (Current Quarter)	Operation Evaluation Level (OEL)	Check If Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page 2
Site ID	Analyte	Α	В	С	D= (A+B+(2*C))/4	and submit to DOW
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SM8	HAA5	0.067	0.058	0.066	0.064	$\boxtimes$
CRAT	ттнм	0.144	0.101	0.054	0.088	
SM7	HAA5	0.022	0.038	0.063	0.047	
110	ттнм	0.107	0.145	0.044	0.085	
118	HAA5	0.061	0.045	0.052	0.053	
110	ттнм	0.109	0.082	0.036	0.066	
119	HAA5	0.053	0.052	0.051	0.052	
	TTHM				0.000	
	HAA5				0.000	
	тнм				0.000	
	HAA5				0.000	
	тнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5			1	0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	

Sample Collection	and Handling		
Were all TTHM and	HAA5 samples collected and	d handled using proper SOPs? Yes 🛛 No 🗌	
	samples? PWS	Contract Lab ⊠	
1	_	tribute to exceedance? Yes No 🛇	
Other/Explain:	on and name in a constant	The Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Education of the Ed	
Source Quality			
	uality factors contribute to	exceedance? Yes No	
(checkiallithatiappi	·		
	oint source contamination	Storage time longer than normal	Heavy Rainfall or snowmelt
New source pla	aced on-line	Algae bloom in source water	Lake or reservoir turnover
	tes/reservoir level higher	Stream flow rates/reservoir level lower	Long term drought
than normal	JIII	than normal	
		ters attributed to current MCL violation	
Treatment Chang			
	nt factors contribute to exce	eedance? Yes 🔀 No 📙	
(checkiallithat appl	•	∑ 1	T ribere and b discussion
	learwell operation	Increased filter effluent turbidity	Filters operated beyond capacity
Abnormal influ		Coagulation/sedimentation problems	Excessive filter run-time
	ent temperature	Abnormal flow rates/short-circuiting	TOC removal problems
	t added/changed	Sludge blanket/carryover problems	Abnormal pH/Alkalinity
	ed higher than normal	.a	
	er 6 needs repair work and n	ew media.	
Distribution Syst			
	stem factors contribute to e	xceedance? Yes 🔲 No 💢	
(checkiallithatiappl			
I	ne or compliant)	Fires or hydraulic disturbance	☐ Valves operated in vicinity
	sidual lower than normal	High volume customer usage	Breaks or line replacements
	sidual higher than normal	Water temperature higher than normal	Booster chlorination
	nt Master Meter exceeds MC	L Low volume customer usage (contributing	to high water age)
Other/Explain:			
Storage Tank Ope			
	operations/factors contribu	te to exceedance? Yes 🗌 No 🔀	
(checktallithatiappl	• •		
Tank removed		Tank upstream from sample site	Excessive storage capacity
Tank cleaned/r		Operated "last in –first out"	Excessive ambient temperature
Excessive tank	draw-down	Improper level fluctuations	Disinfectant residual low in tank
Other/Explain:	<del></del>		
Additional Comm			
	WY	s. Instructed by DOW personnel to begin feeding	carbon.
Assistance being	received for corrective action	plan and treatment plant optimization.	
Completed By:	Earl T Alley	Plant Manager	Call T. Allas
	(Printed Name)	(Title)	(Signature)
			Outh.net : 3/22/16
Phone:	606-298-7439 ext	5 E-mail: etalley47@bellsc	outh.net : 3/22/16
			/

Rev. December 2013

Page 2 of 2

### Kentucky Division of Water Operational Evaluation Report

Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" ITHM and HAAS results for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAAS levels and avoid non-compliance.

- Once 3 quarters of Stage 2 DBP data is available and every quarter from that time on, page 1 of this form is to be used to determine if one or more of the compliance monitoring sites have exceeded the Operational Evaluation Levels (OEL) for ITHM and/or HAA5. Use additional pages as needed.
- If the calculated OEL for any site exceeds the MCL, you shall complete Page 2 and submit it to the State no later than 90 days following the end of the quarter. This report includes an examination of system treatment and distribution practices, Including storage tank operations, excess storage capacity, distribution system flushing, changes in sources or source water quality, and treatment changes or problems that may contribute to TTHM and HAA5 formation and what steps could be considered to minimize future exceedances.
- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

e of0EL	Report: 03	/17/16	Date of	written approval	for limited evaluatio	n (if applicable):
ε.	×	from <u>3rd</u> Qtr. 2015 Quarters Ago)	from <u>4th</u> Qtr. 2015 (Previous Quarter)	Results from 1st Qtr. 2016 (Current Quarter)	Operation Evaluation Level	Check If Column D Exceeds O. 080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page
						2 and submit
Site						to
ID	Analyte			С	D= (A+B+(2*C))/4	DOW
CNAO	TTHM	0.121	0.098	0.045	0.077	
SM8	HAA5	0.067	0.058	0.066	0.054	je je
	ТТНМ		0.101	0.054	0.088	11 11 11 11 11 11 11 11 11 11 11 11 11
SM7	HAAS	0.022	0.038		0.047	
	ттнм	er er er	0.145	0.044	0.085	
118	HAAS	0.061	0.045	0.052	0.053	
	TTHM		0.082	0.036	0.065	44-11-
119	HAAS	0.053	0.052	0.051	0.052	
	TTHM				0.000	
	HAAS	Marian III				1115
¥5	TTHM		- 11		0.000	
	TTHM	- K	2.9		0.000	HATTE A
	HAA5				0.000	
	ТТНМ				0.000	
	HAA5				0.000	
	ITHM		P		0.000	
	HAA5					
	ТНМ				0.000	
	HAAS		, a		0.000	

Γ		TTHM						0.00	0		
1	×.	HAAS						0.00	0 -		
7.		ТТНМ						0.00	10		
1		HAAS						0.00	10		
Rev	Decem	ber 2013								Page 1	of 2
		ction and Ha	adling							6-	
Nho co	llected th	e samples? PV		Conti	ract Lab		No			9	
	r/Explain:		handling factors	COTILIT	bute to ex	teedanter r	25 CJ				
	ce Qual										
died <g Point Nev Stream</g 	Gillthat ap t or non-p w source of flow rate ormal	ply) point source co placed on-line es/reservoir lev	Algae bloom in vel higher Stream	□ ⊠ han ne	Storage tim source wat flow ra ormal	ne longer than er tes/reservolr	level lower			Lake or re	nfall or snowmelt servolr turnover term drought
Trea	tment Cl	nange/Proble	ms								
C] Pre	Problem was a hormal in the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the co	epply)  Ith clearwell of  Influent turbid  Influent tempe  Itant added/ch  It feed higher ti  It Filter 6 needs	ity rature anged		Coagulation, Abnormal flo	ter effluent tu /sedimentatio ow rates/shor ket/carryover	n problems t-circuiting		Excessiv TOC rer	perated bey e filter run-t moval prob al pH/Alkalli	olems
Dien	•ibution	System		- 2							
Did dis		system factors	contribute to exce	edanc	e? Yes	No	72				
[] Flu	ishing (rei	Hime orcompl	ant)	□ ii	es or hydra	ulic disturban	ce		alves ope	rated in vicir	nity
		residual lowe			High volun	ne customer u	sageBreaks or		line repl	lacements	
		residual highe ty at Master M	r than normal eter exceeds MCL			perature high e customer u	er than age (contributir	ng to hig		Booster chlo age)	rination
	Explain:										
		Operations orage operation	ns/factors contribu	te to e	xceedance?	Yes	NO				
	Tank clea	oved from serv ned/maintenar tank draw-dow	nce	c] 0	perated "la	am from sam  st in —first ou vel fluctuation	t"			e storage ca	
Othe	er/Explain	ı;					34	C] E		amblent ten ant residual	nperature low in tank

#### AdditionalComments

Adjustments being made to treatment process. Instructed by DOW personnel to begin feeding carbon.

Assistance being received for corrective action plan and treatment plant optimization.

Complated By: Earl T Alley Plant Manager Earl T. Alley
(Printed Name) (Title) (Signature)

Phone: 606-298-7439 ext 5 E-mail:

E-mail: etailey47@bellsouth.net

: 3/22/16

Completed By:

Earl T Alley

Phone:

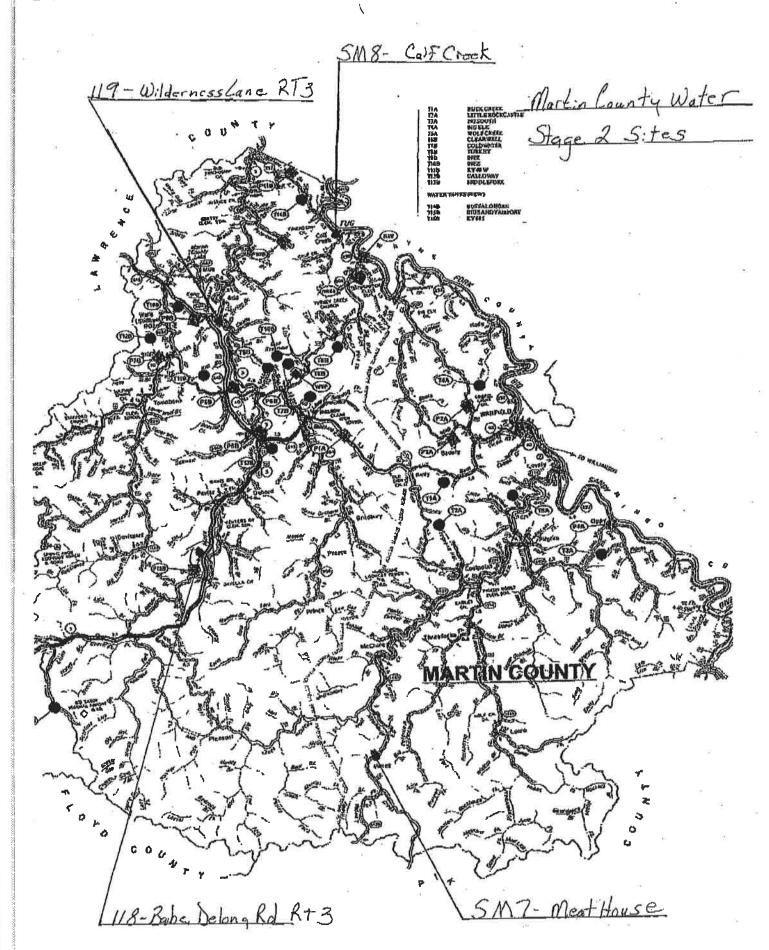
606-298-7439 ext S

E-mall:

etalkY47@bellsouth.net

Rev. December 2013

Page 2 of 2



Martin County Water District Treatment Plant 14 Flat Hollow, Inez KY 41224 606 – 298 – 7439

### Revised Stage 2 Monitoring Sites

- 1. SM7 Booster Pump on RT 1439, Meathouse
- 2. SM8 Hydrant on Rt 292 North, Calf Creek
- 3. 118 Hydrant on Babe Delong Road, Rt 3 South
- 4. 119 Hydrant at Wilderness Lane, Rt 3 North

# Specific Site Information Bacteriological and MRDL Monitoring Plan

	PWSID:	KY 0800273		5	Service	
	Name:	Martin County Water District		(	Connections: 3,249	
	Address:	387 East Main Street, Suite 140			System	
	City/State/Zij	p: Inez KY, 41224			System Population	
	County:	Martin			Served: 10,472	
a 1•		Revised:	OR New:	х		
Samplin Site No.	g 	Sampling Site Location	120		Type of Facility	
-	Name:	Raymond F Jude	Residential:	X	Medical:	
	Address:	448 North Wolf Creek Road	Commercial:			
120	Address:		School:	111111111111111111111111111111111111111	Public Bldg:	
120	City:	Pilgrim	Other (specify):			
	State/Zip:	Kentucky, 41250				
	Name:	Phillip & Linda Muncy	Residential:	X	Medical:	
	Addmogga	6348 Meathouse Road	Commercial:			
121	Address:		School:		Public Bldg:	
121	City:	Pilgrim	Other (specify):			
	State/Zip:	Kentucky, 41250				
	Name:	James T Maynard	Residential:	X	Medical:	
		7112 Beauty Road	Commercial:			
100	Address:		School:		Public Bldg:	
122	City:	Beauty	Other (specify):			
	State/Zip:	Kentucky, 41203				
	Name:	John L Stafford	Residential:	х	Medical:	
	Address:	16 Alpha Branch	Commercial:			
123	Address:		School:		Public Bldg:	
123	City:	Inez	Other (specify):		8	
	State/Zip:	Kentucky, 41224				
	Name:	Joe & Annie Hammond	Residential:	x	Medical:	
	Address:	21 Murray Road	Commercial:			
124	Address.		School:		Public Bldg:	
121	City:	Inez	Other (specify):	7		
	State/Zip:	Kentucky, 41224				
	Prepa	Date: Earl T Alley 02/26/2016	Page1		of <u>1</u>	£0



### KENTUCKY DIVISION OF WATER

Revised 01/04/07

### DRINKING WATER BRANCH MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

DEP Form 4012Re		01/2016	Indicate one With "X"	GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANTID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County \	Water District	PLANT CLASS: 3	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987	ē	DATE MAILED:	02/08/2016
SOURCE NAME;	Crum Rese	ervolr	COUNTY:	Martin
	Tug Fo	rk		
	OPERATOR(S) RESPONS	SIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alle	у	1V-A	17562
WTP SHIFT 2:	Michael S	artin	1V-A	21944
WTP SHIFT 3:	Timothy D Reed / E	Ibert Osborne	1V-A / 11-A	24590 / 27800
DISTRIBUTION:				
THIS REP	ORT MUST BE RECEIV	ED BY THE DIVISION	OF WATER AND	APPLICABLE FIELD OFFICE
	NO LATER T	HAN 10 DAYS AFTER	THE END OF THE	MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):		1,66	7	
2. TYPE OF FILTRATION USE	ED;	Dual Me	edia	
3. DESIGN FILTRATION RATE	E (gpm/sq. fl.):	2.66	3	
4. PERCENT BACKWASH WA	TER USED:	0.9		
5. DATE FLOCCULATION BA	SIN(S) LAST CLEANED:	#2 - 3/18/10	<b>#</b> 3 - 9/2/ 09	
6. DATE SETTLING BASIN(S)	LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 02/08/2016 DATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

PWS ID : PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

PAGE

01/2016 OF

	RAW WATER	HOURS PLANT	COAGU	JLANT	COAGU	ILANT	pH ADJUSTMENT		DISINFE	CTANT	DISINFECTANT	
	TREATED	OPERATED					Pr		Pr		Po	
DAY	GALLON8		LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM
1	1,871,000	24.0	155.0	9,9					254.6	16.3	170.5	10.9
2	1,838,000	24.0	155.0	10.1					258.4	16,9	161.9	10,6
3	1,858,000	24.0	155.0	10.0					265.6	17.1	147.6	9.5
4	1,829,000	24.0	155.0	10.2					251.8	16.5	169.2	11,1
5	1,839,000	24.0	155.0	10,1					251.8	16.4	163.4	10.7
6	1,854,000	24,0	155.0	10.0					251.8	16.3	159.8	10.3
7	1,884,000	24.0	155.0	9.9					254.6	16.2	159.8	10.2
8	1,823,000	24.0	155.0	10.2					251,0	16.5	159.8	10.5
9	1,860,000	24.0	155.0	10.0					254.6	16.4	159.8	10.3
10	1,813,000	24.0	155.0	10.3					245.8	16.3	159.8	10.6
- 11	1,872,000	24.0	155.0	9.9					251,8	16.1	159.8	10,2
12	1,847,000	24.0	155.0	10.1					240.0	15,6	159.8	10.4
13	1,868,000	24.0	155.0	9.9					251.9	16.2	159.8	10.3
14	1,840,000	24.0	155.0	10.1					254.6	16.6	159.8	10.4
15	1,913,000	24.0	155.0	9.7					240.0	15.0	159.8	10.0
16	1,877,000	24.0	155.0	9,9					240.0	15.3	159.8	10.2
17	1,906,000	24.0	155.0	9.8					240.0	15.1	159.8	10.1
18	1,890,000	24.0	155.0	9.8					254.6	16.2	159.8	10.1
19	1,927,000	24.0	155.0	9.6					251.8	15.7	159.8	9.9
20	1,902,000	24.0	155.0	9.8					240.0	15.1	159.8	10.1
21	1,953,000	24.0	155.0	9.5					240.0	14.7	159.8	9.8
22	1,960,000	24.0	155.0	9.5					240.0	14.7	159.8	9.8
23	1,933,000	24.0	155.0	9.6					237,5	14.7	180.3	11.2
- 24	1,892,000	24.0	155.0	9.8					251.8	16.0	183.1	11.6
25	1,941,000	24.0	155.0	9.6					254.6	15.7	170.7	10.5
26	1,928,000	24.0	155.0	9.6			-		240.0	14.9	169.2	10.5
27	1,921,000	24.0	155.0	9.7					240.0	15.0	169.2	10.6
28	1,949,000	24.0	155.0	9.5					254.6	15.7	163.4	10.1
29	1,922,000	24.0	155.0	9.7					240.0	15.0	159.8	10.0
30	1,947,000	24.0	155,0	9.5					257.6	15.9	159.8	9.8
31	1,900,000	24.0	155.0	9.8					254.6	16,1	159.8	10.1
TOTAL	58,557,000	-	4805.0		0.0		0.0		7715.4	45.5	5044.5	400
AVERAGE	1,888,935		155.0	9.8	#DIV/01	#DIV/01	#DIV/01	#DIV/01	248.9	15.8	162.7	10.3

1,960,000

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273 PLANT ID:

REPORT MONTH/YEAR: 01/2016

Const.	V							OF STREET			PAGE	2	OF	11
	DISINFE	CTANT	FLUO	RIDE	CARI		PH ADJ	USTMENT	КМ	nO ₄	CORRO		H2	02
- [							Po	st						
DAY	LBS	PPM	LBS	PPM	LB8	PPM	LBS	PPM	LB8	PPM	LB8	PPM	LBS	PPM
1	425.1	27.2	60.9	3.9										
2	420.3	27.4	60.9	4.0										
3	413.2	26.7	60.9	3.9										
4	421.0	27.6	60.9	4.0										
б	415.2	27.1	60,9	4.0										
6	411.6	26.6	60,9	3.9										
7	414.4	26.4	60.9	3.9										
8	411.6	27.1	60,9	4_0										
Ð	414.4	26.7	60.9	3.9										
10	405.6	26.8	60.9	4.0										
11	411.6	26.4	60.9	3.9										
12	399.8	26.0	60.9	4.0										
13	411.6	26.4	60.9	3.9										
14	414.4	27.0	60.9	4.0										
16	399,8	25,1	60.9	3.8										
16	399.8	25.5	60.9	3.9										
17	399.8	25.2	80.9	3.8										
18	414.4	26,3	60,9	3.9										
18	411.6	25.6	60.9	3.8										
20	399.8	25.2	60.9	3.8										
21	399.8	24.5	80.9	3:7										
22	399.8	24.5	60.9	3.7										
23	417.8	25.9	60.9	3.8										
24	434.9	27.6	60.9	3.9										
25	425.3	26.3	60.9	3.8										
26	409.2	25.4	60.9	3.8										
27	409.2	25,5	60.9	3.8										
28	418.0	25.7	60.9	3.7										
29	399.8	24.9	60.9	3.8						L				
30	417.4	25.7	60.9	3.8										
31	414.4	26,2	60.9	3.8										
		20,2	1,887.9	0.0	0.0		0.0		0.0		0.0		0.0	
VERAGE	12,760.6 411.6	28.1	60.9	3.9	#DIV/0I	#DIV/01	#DIV/01	#DIV/0I	#DIV/01	#DIV/01	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

01/2016

PAGE 3

OF

	ANALYTICAL RESULTS (n							PM UNLESS	OTHERWIS	E SPECIFIED						
		рΉ		TO1 ALKAL	AL INITY		TAL	TOP		RESIDUAL PLA	NT		TURBIDITY (NTU)			
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP		TER FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP		
	7.83	7.86	7.78	145	155	216	216	0.78	0.65	1.89	1.79	2.16	0.45	0.06		
1	7.82	7.90	7.82	155	160	232	226	0.80	0.69	1.83	1.71	2.11	0.40	0.06		
2	7.82	7.82	7.74	142	146	232	222	0.80	0.67	1.81	1.71	2.04	0.30	0.06		
3		7.84	7.74	165	160	225	220	0.71	0.60	1,82	1.72	1.98	0.34	0.06		
4	7.73	7.86	7.78	145	142	230	222	0.80	0.69	1.88	1.78	1.91	0.45	0.06		
6	7.73			145	142	220	225	0.81	0.67	1.81	1.73	1.83	0.35	0.06		
6	7.81	7.85	7.78		143	215	212	0.80	0.69	1,84	1.73	1.94	0.33	0.06		
7	7.72	7.82	7.75	140			209	0.76	0.64	1.82	1.72	1.72	0.25	0.06		
8	7.74	7.77	7.70	143	138	212	209	0.79	0.66	1.89	1.79	1.45	0.25	0.06		
9	7.76	7.80	7.70	135	132			0.79	0.73	1.91	1.81	1.41	0.28	0.05		
10	7.75	7.78	7.69	131	136	215	204	0.73	0.73	1.88	1.77	1.34	0.40	0.06		
-11	7.65	7.80	7.71	135	132	210	204	0.73	0.72	1.86	1.79	1.87	0.37	0.07		
12	7.80	7.84	7.76	135	130	210	205	0.84	0.72	1,87	1.78	1.91	0.38	0.05		
13	7.77	7.83	7.76	135	130	210		0.84	0.68	1.80	1.73	2,03	0.33	0.06		
14-	7.79	7.85	7.77	135	132	200	197	0.85	0.75	1.85	1.75	1.98	0.33	0.07		
16	7.77	7.82	7.73	135	132	205	198	0.85	0.60	1.75	1.64	2.04	0.35	0.07		
16	7.80	7.84	7.75	132	138	210		0.74	0.63	1.81	1.72	2.02	0.32	0.06		
37	7.82	7.82	7.74	128	126	206	212		0.65	1.83	1.76	2.04	0.36	0.06		
18	7.81	7.82	7.78	135	132	205	200	0.76	0.68	1.79	1.71	2.02	0.38	0.06		
19	7.78	7.81	7.73	135	128	200	197	0.77	0.71	1.79	1.72	1,96	0.40	0.06		
20	7.72	7.79	7.72	135	130	198	200	0.80	0.68	1.75	1.67	1.90	0.38	0.06		
21	7.78	7.80	7.74	128	130	197	195	0.83	0.71	1.80	1.70	1.85	0.56	0.06		
22	7.78	7.80	7.70	123	121	200	197	0.69	0.59	1.71	1.65	1.79	0.44	0.06		
23	7.68	7.79	7.69	122	121	201	205	0.80	0.68	1.76	1.69	1.72	0.43	0.07		
2.4	7.67	7.75	7.65	122	120	200	203	0.67	0.56	1.82	1.76	1.66	0.35	0.06		
26	7.69	7.74	7.65	128	133	198	192	0.75	0.71	1.77	1.70	1.69	0.29	0.06		
26 27	7.64	7.71	7.64	130	128	200	198	0.72	0.65	1.77	1.71	1.64	0.32	0.06		
SOLUTION TO	7.66	7.75	7.68	128	126	193	189	0.75	0.68	1.76	1.71	1.62	0.31	0.07		
28			7.66	124	122	196	189	0.73	0.64	1.77	1.72	1,68	0.31	0.07		
29	7.71	7.70	7.56	120	116	198	192	0.73	0.65	1.78	1.72	1.63	0.36	0.06		
30	7.63	7.66														
31 AVERAGE	7.58	7.66	7.57	121	121	193	191	0.73	0.64	1.77	1.72	1.64	0.37	0.06		

### OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA COPY PAGE AS NEEDED

PWS ID: KY0800273

PLANT ID:

REPORT MONTH/YEAR:

AGENCY INTEREST:

01/2016

PAGE 4 OF 11

2987

	E 988	ENG-ST				ANA	LYTICAL R	ESULTS (N	TU)	35					
	RAW		SEDIME		BASIN EFFL	UENT		INDIVIDUAL FILTER EFFLUENT							CFE DAILY
DAY	DAILY MAXIMUM	#1	#2	DAILY MA	AXIMUM #4	#5	#6	#1	#2	#3	#4	JM #5	#6	#7	MAXIMUM
1	2.16		0.27	0.83						0.07	0.07	0.07	0.06		0.07
2	2.11		0.22	0.71						0.08	0.07	0.06	0.05		0.06
3	2.04		0.21	0.56						0.07	0.06	0.06	0.04		0.06
4	1.98		0.18	0.66						0.06	0.06	0.07	0.06		0.05
5	1.91		0.22	1.27						0.06	0.05	0.06	0.05		0.06
6	1.83		0.22	0.65						80.0	0.07	0.06	0.05		0.06
7	1.94		0.23	0.67						0.07	0.06	0.05	0.05		0.06
8	1.72		0.22	0.58						0.06	0.05	0.05	0.05		0.06
9	1.45		0.18	0.49						0.06	0.05	0.11	0.12		0.07
10	1.41		0.21	0.70						0.06	0.05	0.06	0.04		0.05
11	1.34		0.23	0.78						0.11	0.11	0.06	0.04		0.08
12	1.87		0.29	0.71						0.07	0.06	0.07	0.15		0.09
13	1.91		0.34	0.88						0.07	0.06	0.07	0.08		0.06
14	2.03		0.28	0.71						0.06	0.05	0.06	0.08		0.05
15	1.98		0.29	0.62						0.12	0.10	0.06	0.09	1	0.07
16	2.04		0.28	0.59						0.07	0.06	0.07	0.17		0.06
17	2.02		0.27	0.45						0.07	0.06	0.07	0.10		0.06
18	2.04		0.30	0.79						0.10	0.09	0.06	0.05		0.06
19	2.02		0.35	0.80						0.09	0.08	0.06	0.05		0.05
20	1.96		0.42	0.75						0.07	0.06	0.07	0.11		0.05
21	1.90		0.36	0.66						0.07	0.06	0.07	0.07		0.05
22	1.85		0.38	1.24						0.06	0.05	0.06	80.0		0.06
23	1.79		0.36	0.86						0.09	0.08	0.06	0.07		0.06
24	1.72		0.28	0.86						0.08	0.07	0.06	0.11		0.07
25	1.66		0.27	0.67						0.07	0.06	0.14	0.17		0.08
26	1.69		0.28	0.48						0.06	0.05	0.06	0.06		0.05
27	1.64		0.28	0.52						0.09	0.08	0.06	0.07		0.07
28	1.62		0.28	0.56						0.08	0.07	0.06	0.08		0.07
29	1.68	-	0.27	0.56						0.07	0.06	0.07	0.13		0.07
30	1.63		0.28	0.61						0.07	0.06	0.06	0.06		0.05
31	1.64		0.30	0.60						0.07	0.06	0.06	0.05		0.06
VERAG	1.8	#DIV/0!	0.3	11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.07	0.07	0.07	0.08	#DIV/0!	0.06

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

11

### APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

01/2016

*Please answer Y/N question below this chart.

PAGE <u>5</u> OF

·PI	lease ansv	ver Y/N ques	stion below t	MALYTICAL RE	SULTS (mg/L	OR PPM UNLE	SS OTHERWIS			5 OF	Sa ass
	FLUOF	RIDE		ON		GANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.35	0.93	0.06	0.00	0.03	0.01			1.60	0.0	11.1
2	0.30	0.92	0.06	0.00	0.02	0.01			1.60	0.0	11.0
3	0.31	0.91	0.08	0.02	0.04	0.02			1.65	0.0	10.8
4	0.37	0.93	0.06	0.01	0.03	0.02			1.60	0.0	10.9
5	0.34	0.91	0.04	0.01	0.02	0.01			1.70	0.0	10.8
6	0.41	0.87	0.08	0.00	0.02	0.00			1.60	0.0	11.1
7	0.35	0.96	0.05	0.02	0.02	0.02			1.65	0.0	12.1
8	0.34	0.79	0.04	0.00	0.03	0.01			1.65	0.0	10.6
9	0.28	0.96	0.00	0.05	0.02	0.01			1.65	0.3	10.2
10	0.27	0.84	0.07	0.01	0.03	0.02			1.80	0.2	9.9
11	0.34	0.95	0.05	0.04	0.02	0.01			1.60	0.0	10.2
12	0.46	0.94	0.04	0.02	0.02	0.01			1.65	0.0	10.2
13	0.37	0.88	0.07	0.03	0.03	0.01			1.70	0.0	9.5
14	0.25	0.83	0.13	0.04	0.02	0.02			1.65	0.0	9.9
15	0.35	0.96	0.12	0.03	0.03	0.01			1.71	0.0	8.6
16	0.17	0.75	0.12	0.00	0.02	0.00			1.60	0.2	8.5
17	0.25	0.81	0.11	0.04	0.04	0.01			1.65	0.0	8.1
18	0.30	0.42	0.07	0.02	0.03	0.01			1.55	0.0	8.3
19	0.29	0.85	0.01	0.13	0.03	0.00			1.65	0.0	8.9
20	0.35	0.80	0.12	0.04	0.03	0.01			1.60	0.0	8.0
21	0.23	0.86	0.00	0.01	0.04	0.02			1.60	0.1	8.4
22	0.40	0.95	0.04	0.00	0.02	0.01			1.65	0.0	8.5
23	0.32	0.89	0.10	0.00	0.03	0.02			1.55	1.5	8.1
24	0.40	0.88	0.07	0.01	0.03	0.01			1.60	0.0	8.2
25	0.33	0.96	0.09	0.03	0.03	0.02			1.60	0.0	9.3
26	0.39	0.86	0.03	0.00	0.03	0.03			1.70	0.0	9.2
27	0.29	0.97	0.12	0.02	0.03	0.01			1.55	0.0	8.8
28	0.38	0.94	0.07	0.03	0.02	0.02			1.65	0.0	9.1
29	0.23	0.79	0.01	0.02	0.03	0.02			1.55	0.0	9.8
30	0.32	0.74	0.08	0.00	0.03	0.02			1.60	0.0	9.5
31	0.28	1.02	0.11	0.00	0.05	0.01			1.55	0.0	8.7
AVERAGE	0.32	0.87	0.07	0.02	0.03	0.01	#DIV/01	#DIV/0!	Monthly Minimum		9.6
							Number	of readings	1.55	2.5	50

Number of readings For Free Chlorine, # less than 0.2 mg/L

For Chloramines, # less than 0.5 mg/L 0

### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 01/2016

PAGE 6 OF 11

		about the state of the state of	Philadelphia (1970)	and the second		and the appropriate value	N HORNY	PAGE	-		No. of the last of
244	TOTAL WASH WATER	No: AREA (equare feet) WASHWATER GALLONS	3 160 FILT RUN HRS	No: AREA (square foot) WASHWATER GALLONS	4 160 FILT RUN HRS	No: AREA (square feet) WASHWATER GALLONS	5 160 FILT RUN HR9	No: AREA (square feet) WASHWATER GALLONS	6 160 FILT RUN HRS	No: AREA (equare feet) WASHWATER GALLONS	FILT RUN
DAY	GALLONS	GALLONS	пкэ	GALLONS	HNA	GACCONS	TIKE	O/ILLOITO			
1	0		24.42	47.000	04.40						
2	34,000	17,000	91,40	17,000	91.40						
3	0					45.000	25.00	47.000	05.00		
4	34,000					17,000	95.30	17,000	95.30		
5	0										<u> </u>
6.	33,000	16,000	98.60	17,000	98.60		-				-
7	0						_				
8	34,000					17,000	102.50	17,000	102.50		-
9	0										-
10	34,000	17,000	99.80	17,000	99.80						-
11	0										
12	34,000					17,000	91.50	17,000	91.50		
13	0										
14	34,000	17,000	95.70	17,000	95.00						
15											
16	34,000					17,000	95.00	17,000	95.00		
17	0										
18	33,000	16,000	91.20	17,000	91,20						
19	0	,									
20	34,000					17,000	91.20	17,000	91.20		
21	0										
22	0										
23	35,000	18,000	119.10	17,000	119.10						
24	0	10,000	1,0,10	77,000	.,,						
25	34,000					17,000	103.00	17,000	103.00		
STATE OF	0										
26		17 000	95.10	17,000	95.10						
27	34,000	17,000	33.10	17,000	33.10						
28	0					17.000	444.40	17 000	111.40		
29	34,000					17,000	111.40	17,000	111.40		
30	0										-
31	28,000	14,000	99.20	14,000	99.20			-			
TOTAL	503,000	132,000	790.10	133,000	789.40	119,000	689.90	119,000	689.90		0.00
AVERAGE	16,767	16,500	98.763	16,625	98.675	17,000	98.557	17,000	98.557	#DIV/01	#DIV/0

COPY AS NEEDED

PLANT ID:

PWS ID : KY0800273

REPORT MONTH/YEAR: ___

01/2016

ALL WATER SYSTEMS

PAGE ____ 7 OF ____11

	CHE	MICALS ADDED					TEST RE				_
	CHLORINE	CHLORINE	-	NOI	TH I	TOTAL		HLORINE RESIDUAL EAS		WE	BT
-	BOOSTER LBS	BOOSTER		T	F F	T	F	т	F	T	F
				1.39	1,34	1.10	1.06	1.69	1,67	1.73	1.6
				1.28	1.18	1,32	1,27	1.43	1.39	1.44	1.3
			W.	1.84	1,77	1,25	1.17	1.21	1.12	1.57	1.3
1				1.24	1.15	1.10	1.03	1.21	1.17	1,24	1.1
			V-1-2	1.08	0.98	1.45	1.44	1,53	1.46	1.39	1.3
				1.44	1.36	1.38	1.30	1.54	1.52	1.23	1,1
				1.36	1.26	1.35	1.27	1,43	1,33	1.32	1,1
				1.33	1.22	1.29	1.11	1.16	1.05	1,33	1.2
				1.93	1.79	1,36	1.26	1,37	1.23	1.40	1.2
				1,98	1.81	1.37	1.27	1.31	1.19	1.73	1.5
		li .		1.71	1.53	1.46	1.35	1.30	1.20	1.51	1,4
i				1.24	1,15	1.48	1.42	1,21	1.20	1.24	1.:
				1.29	1.21	1,37	1.33	1.42	1,42	1.52	1,4
				1.45	1,40	1.51	1.46	1.35	1.26	1.58	1.4
5				1.31	1.21	1.09	1.02	1.23	1.17	1.47	1.3
				1.35	1.13	1.42	1.37	1.27	1.26	0.70	0.0
3				1.29	1.16	1.35	1.25	1.49	1.37	1.43	1.3
9				1,27	1.12	1.37	1.34	1.14	1.02	1.09	1.4
3				1.19	1.10	1.31	1.23	1.21	1.19	1.46	1.
ğ				1.41	1.34	1.45	1.42	1.47	1.44	1.50	1,
				1.39	1.34	1.34	1.22	1.48	1.39	1,47	1.
5				1.34	1.27	1.30	1.24	1.24	1.21	1.51	1.
				1.40	1.32	1.38	1.34	1,49	1.42	1.48	1.
				0,40	0.32	1.57	1.49	1.34	1.23	1.34	1:
				1.18	1.12	1.23	1.18	1.26	1.11	1.30	1.
				1.24	1,19	1.34	1.29	1.18	1.13	1.17	1.
7				1.37	1.28	1.39	1.34	1.47	1.38	1.63	1.
				1,58	1.57	0.29	0.26	1.36	1.26	1.38	1.
				1.16	1.14	1.18	1.15	1.41	1.30	1.33	1,
				1.41	1.24	0,30	0.23	1.66	1.53	1.57	1,
				1,36	1.30	1.49	1.45	1.56	1.41	1,57	1.
e _	#DIV/0I	#DIV/01	Average	1.38	1.27	1.28	1.21	1.37	1.29	1.41	1.
	0.0	0.0	Total Minimum	0.40		0.29		1,14		0.70	
			Minimum		0.32		0.23		1.02		0.

0.23

0.29

# Less than 0.2 mg/L/0.5 mg/L.
Minimum Monthly Free Residuals 124 Residuals 124 Residual Number of Free Residuals Number of Total Residuals Total # Less than 0.2 mg/L

Total # Less than 0.5 mg/L

Disinfectant Chloremines? (Y/N) Number of days of operation?



#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID: KY0800273 TURBIDITY REPORT PLANT ID: Α APPLICABLE TO ALL PLANTS WITH FILTRATION 01/2016 PAGE: Report Period (MM/YYYY): 8 OF 11 Martin County Water District PWS Name: Dally # of Turbidity DAY 8 pm - Mid Maximum 4 pm - 8 pm Mid - 4 am 4 am - 8 am Bam - Noon Noon - 4 pm Samples Required Operated 0.066 0.06 0.06 0.07 0.06 0.06 0.06 24.0 6 0.06 0.05 0.05 0.05 0.057 0.06 0.06 6 24.0 2 0.04 0.058 0.05 0.04 0.04 6 0.06 0.05 24.0 3 0.051 0.04 0.04 0.05 24.0 6 0.04 0.04 0.04 4 0.05 0.05 0.05 0.05 0.06 0.055 6 0.04 24.0 5 0.06 0.062 0.05 0.05 0.05 6 0.06 0.05 24.0 6 0.060 0.05 0.06 24.0 6 0.06 0.06 0.06 0.05 0.061 0.06 0.06 0.06 0.05 0.06 6 0.06 24.0 8 0.05 0.05 0.070 0.05 0.05 0.05 0.07 6 24.0 9 0.051 0.05 0.05 0.05 6 0.05 0.05 0.05 24.0 10 0.075 0.04 0.05 24.0 6 0.08 0.06 0.04 0.04 11 0.09 0.06 0.0860.06 0.05 0.05 0.05 24.0 6 12 0.056 0.05 0.05 0.05 0.06 0.05 24.0 6 0.06 13 0.05 0.05 0.050 0.05 0.05 0.04 0.05 24.0 6 14 0.068 0.05 0.06 0.06 6 0.07 0.06 0.05 24.0 15 0.05 0.063 0.06 0.06 0.06 0.06 0.06 24.0 6 16 0.05 0.05 0.057 0.05 0.06 0.05 24.0 6 0.06 17 0.05 0.06 0.061 0.05 0.05 0.05 24.0 6 0.05 18 0.05 0.05 0.054 6 0.05 0.05 0.05 0.05 24.0 19 0.05 0.05 0.054 0.05 6 0.05 0.05 0.05 24.0 20 0.053 0.04 0.04 0.05 0.05 0.05 24.0 6 0.05 21 6 0.06 0.05 0.05 0.06 0.06 0.05 0.059 24.0 22 0.06 0.056 0.05 0.05 0.05 0.05 24.0 6 0.05 23 0.071 0.06 0.07 0.06 24.0 6 0.05 0.06 0.05 24 0.079 0.05 0.05 0.05 24.0 6 0.08 0.06 0.05 25 0.05 0.04 0.05 0.05 0.05 0.051 6 0.05 24.0 26 0.07 0.074 0.04 0.05 0.06 24.0 6 0.05 0.05 27 0.06 0.07 0.070 0.07 0.06 6 0.07 0.07 24.0 28 0.06 0.05 0.066 0.06 0.07 0.07 6 0.07 24.0 29 0.056 0.06 0.05 0.05 0.05 0.05 6 0.05 24.0 30 0.058 0.05 0.05 0.06 0.06 0.05 24.0 6 0.05 31 TOTAL # OF TURBIDITY SAMPLES TAKEN 186 0.086 186 744.0 Total ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) Y (Any type of filtration besides slow sand) 0 1 NTU 0.3 NTU 0.1 NTU Number of samples exceeding ----> 1 NTU 5 NTU For slow sand filtration, the number of samples exceeding ---> *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.

I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

Signature of Principal Executive Officer or Authorized Agent

02/08/2016

	A	PPLICABLE TO ALL	SURFACE WATER P	LANTS WITH FILTRATION	
INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	artin County Water Dis	trict		
PW\$ ID:	KY08	300273			
PLANT ID:	200	A 01/5	2016		
Report Period (MM/Y					
		he individual filter			
(also listed on t the appropriate		et ), complete the fo	ollowing and subm	117	PAGE 9 OF 1
the appropriate		Turbidity Reading	Trigger Lovel (see		Date and Time State was Contacted
Date	Filter Number	(NTU)	below)	Reason for Exceedance (if known)	State was Colhacted
		-			

#### Report Required:

For Trigger B.:

For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	01/2016	
=		NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF TH	E FIELDS ARE	PRE-
				POPULATED FOR YOU!!!		
AND THE PROPERTY	TWIN THE PARTY OF			ORMATION O ALL PLANTS		No. of Concession, Name of Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, or other party of the Street, o
PLANTID A		AFFEIG	CONTRACTOR AND AND AND AND AND AND AND AND AND AND	A CONTRACT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	58,557,000	
PLANT NAME	Martin County W	later District			1,888,935	
AGENCY INTERI		2007 1010 1010			1,960,000	=
		INDIVIDUAL F	ILTER E	FFLUENT TURBIDITY		
		APPLICABLE TO	ALL PL	ANTS WITH FILTRATION		_
ANALYTE CODE	0100					
Was each filter m	onitored continuously? (Y	7N)				Y
1	ents recorded every 15 m					Υ .
Was there a failur	re of the continuous moni	toring equipment? (	Y/N)			N
				ted every four hours of operation? (Y/N)		. 🔲
				in 5 working days? (Y/N)		
Was individual fill	ter level greater than 1.0 f	NTU in two consecut	ive meas	surements? (Y/N)	0.7 (h l)	N
Was individual filt	ter level greater than 0.5 f	NTU in two consecut	ive meas	surements after on line for more than four hours?	(Y/N)	N
Was individual fill	ter level greater than 1.0 f	NTU in two consecut	ive meas	surements in three consecutive months? (Y/N)		N
				surements in two consecutive months? (Y/N)		IN
If any of the last	4 boxes are YES, fill ou	t the Individual Fill	ter Turbi	dity Sheet and submit with the MOR		
	BINED FILTER EFFLUE		One and	ENTRY POINT RESIDUAL DISINFECTANT		ION
APPLICA	ABLE TO ALL PLANTS	WITH FILTRATION		APPLICABLE TO ALL PLA	ur i s	
ANALYTE CODE	0100			ANALYTE CODE0999		
Number of hours	of plant operation		744.0	Number of days of plant operation	***************************************	31
Were samples ta	ken every 4 hours of plan	t operation? (Y/N)	Y	Were samples taken each day of operation? (	Y/N)	Y
Number of sampl			186	Number of lowest chlorine samples recorded		1.55
Highest single tur			0.09	Lowest single chlorine reading		1.55
	xcept slow sand filtration:			If less than required: Was residual restored within 4 hours of plant of	noration2 (V/N)	100
	mples exceeded 0.1 NTU		0	<u>Free Chlorine</u> (for all disinfectants except chloring)		
1	mples exceeded 0.3 NTU mples exceeded 1 NTU		<del>0</del>	Number of samples under 0.2 mg/L		0
1	slow sand filtration:			Total Chlorine (when disinfectant is Chloramine	a):	
1	mples exceeded 1 NTU			Number of samples under 0.5 mg/L		
II .	mples exceeded 5 NTU					
11-2						
CHLORI	NE DIOXIDE ENTRY PO	INT MONITORING	DE	CHLORITE ENTRY POINT MON APPLICABLE TO PLANTS UTILIZING CI		OF.
	E TO PLANTS UTILIZING	3 CHLORINE DIOXI	DE		LOTHITE DIONIE	
ANALYTE CODE			0.4	ANALYTE CODE 1009		31
	of plant operation		31	Number of days of plant operation  Were samples taken each day of operation? (	V/NI)	31
Were samples ta Number of samp	ken each day of operation	Tr (Y/N)	0	Number of complex taken	Added to the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same	0
	les taken lorine dioxide reading		0.00	***************************************		0.00
	ne dioxide samples excee	eded 0.8 mg/L	0.00	Number of chlorite samples exceeded 1 mg/L		0
1,10,11001 01 011011						

I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals Immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

02/08/2016

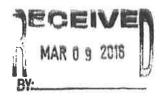
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800	273	MONITORING PERIOD	(MMYYYY) 01/2016
Al 2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT A	ALL OF THE FIELDS ARE PRE-
		POPULATED FOR YOU!!	
PU	IRCHASED	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	LD
	APPLICABLE TO AL	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
FROM WHOM? (PWS ID		TO WHOM? (PWS ID)	HOW MOCITY (ganons)
WV3303003	2,527,520		
KY0980575	0		
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	NAME AND ADDRESS OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O		
	DISTRIBUTION RESIDUAL DIS	INFECTANT CONCENTRATION	
ANALYTE CODE 0999	APPLICABLE TO AL	LWATERSTSTEMS	
	<del></del> 31	Free Chlorine (for all disinfectants	except chloramine)
Number of days of operation  Were samples taken each day		Number of samples under 0.2 r	
Number of samples taken:	or operation (The)	Total Chlorine (when disinfectant is	
EDEE	124	Number of samples under 0.5 r	na/l
TOTAL	424		
Lowest single FREE chlorine	reading 0.23		
Lowest single TOTAL chlorine			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

02/08/2016 Nate



## KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI	H & YEAR (mm/yyyy) 02/2016  ovised 07/2006	Indicate one With "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID: PWS NAME: AGENCY INTEREST (AI): SOURCE NAME: WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REF	Martin County Water District  2987  Crum Reservoir  Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CHARGE Earl T Alley  Michael Sartin  Timothy D Reed / Elbert Osborne	PLANT CLASS: 3  DATE MAILED: COUNTY:  CLASS 1V-A 1V-A 1V-A / 11-A	Martin County Water District  DIST. CLASS: 2  03/04/2014  Martin  CERTIFICATION NUMBER  17562  21944  24590 / 27800  APPLICABLE FIELD OFFICE
	NO LATER THAN 10 DAYS AFTE	R THE END OF THE	MONTH.
TREATMENT PLANTS  1. DESIGN CAPACITY (gpm):  2. TYPE OF FILTRATION USE  3. DESIGN FILTRATION RATI  4. PERCENT BACKWASH WA  5. DATE FLOCCULATION BA  6. DATE SETTLING BASIN(S	1,6 Dual   E (gpm/sq. ft.): 2, ATER USED: 0 ISIN(S) LAST CLEANED: #2 - 3/18/10		
U. DATE SETTEMO BASINOS	ENOT GENTRE		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

Carl T. alley

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

03/04/2016 DATE



PWS ID : ___

KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: 02/2016 PAGE

	RAW WATER	HOURS PLANT	COAGI	JLANT	COAGL	JLANT	pH ADJU		DISINFE		DISINFE	
	TREATED	OPERATED					Pr		P.		Po	
DAY	GALLONS		LB9	PPM	LB9	PPM	LBS	PPM	LB9	PPM	LBS	PPM
1	1,968,000	24.0	155.0	9.4					240.0	14.6	159.8	9.7
2	1,903,000	24.0	155,0	9,8					251.8	15,9	159.8	10.1
3	1,942,000	24.0	155.0	9,6					254.6	15.7	159.8	9.9
4	1,918,000	24.0	155,0	9.7					240.0	15.0	159.8	10.0
5	1,916,000	24.0	155.0	9,7					258.4	16.2	159.8	10.0
6	1,939,000	24.0	155.0	9.6					245.2	15.2	159.8	9.9
7	1,873,000	24.0	155.0	9.9					244.5	15.7	159.8	10.2
8	1,938,000	24.0	155.0	9.6					240.0	14.8	159.8	9,9
9	1,916,000	24.0	155.0	9.7					240.0	15.0	159.8	10.0
10	1,849,000	24.0	155.0	10.1					240.0	15.6	159.8	10.4
11.	1,941,000	24.0	155.0	9,6					249.6	15.4	159.8	9.9
12	1,975,000	24.0	155.0	9.4					251.7	15.3	174.4	10.6
13	1,913,000	24.0	155.0	9.7					276.9	17,4	183.2	11.5
14	1,959,000	24.0	155.0	9.5					275.0	16.8	159.8	9.8
15	1,933,000	24.0	155.0	9.6					254.6	15.8	183.1	11.4
16	1,965,000	24.0	193.3	11.8					322.0	19,6	183.1	11.2
17	1,960,000	24.0	193.3	11.8					281.2	17.2	183.1	11.2
18	1,981,000	24.0	193.3	11.7					324.8	19.7	183.1	11.1
19	1,919,000	23.5	189.2	11.8					321.0	20.1	183.1	11.4
20	1,963,000	24.0	193.3	11.8					324.2	19.8	183.2	11.3
21	1,934,000	24.0	193.3	12.0					317.8	19.7	183.1	11.4
22	1,942,000	24.0	193.3	11.9					277.0	17.1	183.1	11.3
23	1,907,000	24.0	193.3	12.2					319.6	20.1	183.1	11.5
24	1,958,000	24.0	193,3	11.8					319.6	19.6	183_1	11.3
2.5	1,929,000	24.0	193.3	12,0					311.0	19.3	183.1	11.4
26	1,922,000	24.0	213.9	13.3	,=				311.0	19.4	159.8	10.
27	1,944,000	24 0	213.9	13.2					324.2	20.0	140.5	8.7
28	1,957,000	24.0	213.9	13.1					324.2	19.9	183.1	11.3
29	1,894,000	24.0	213.9	13.5					327.6	20.7	161.1	10.:
31												
TOTAL	56,058,000	-	5109.5 176.2	10.9	0.0 #DIV/0!	#DIV/01	0.0 #DIV/0I	#DIV/01	8167.5 281.6	17.5	4933.9 170.1	10.6
WERAGE MAX	1,933,034 1,981,000	-	170.2	10.8	#510/01	***************************************	#519701	#DIVIOI	201.0	1	110.1	10.

#### APPLICABLE TO ALL PLANTS

PW\$ ID : KY0800273

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PLANT ID: A

REPORT MONTH/YEAR: 02/2016

	SHAPE	HASSENSE.	WHEN S	TRANSPORTER	THE PARTY	CRI	EMICALS ADDED		#832/45			West - office		TO MEDIA
	DISINFE	CTANT	FLUO	RIDE	CARE	ION	pH ADJI	USTMENT	KMn	104	CORRO		H20	2
							Po	st						
DAY	LB8	PPM	LB8	РРМ	LBS	РРМ	LBS	РРМ	LBS	РРМ	LBS	PPM	LBS	PPM
3	399.8	24.4	60.9	3.7										
2	411.6	25.9	60.9	3.8										
3.	414.4	25.6	60.9	3.8										
<b>34</b> 2	399.8	25.0	60.9	3.8										
6	418.2	26.2	60.9	3.8										
6	405.0	25.0	60.9	3.8										
7.	404.3	25.9	60.9	3.9										
8	399.8	24.7	60.9	3.8										
9	399.8	25.0	60.9	3.8										
10	399.8	25.9	60.9	3.9										
11	409.4	25.3	60.9	3.8										
12	426.1	25,9	60.9	3.7										
13	460,1	28.8	60.9	3.8										
14	434.8	26.6	60.9	3.7										
15	437.7	27.2	60.9	3.8										
15	505,1	30.8	60.9	3.7										
17	464.3	28.4	80.9	3.7										
18	507.9	30.7	60.9	3.7										
19	504.1	31.5	59.7	3.7				- 2						
20	507.4	31.0	80.9	3.7										
21	500.9	31.1	60.9	3,8										
22	460.1	28.4	60.9	3.8										
23	502.7	31.6	60.9	3.8										
24	502.7	30.8	60.9	3.7										
25	494.1	30.7	60.9	3.8										
26	470.8	29.4	80.9	3.8										
27	464.7	28.7	60.9	3.8										
28	507.3	31:1	60.9	3.7										
29	488.7	30.9	60.9	3.9										
30														
TOTAL	13,101.4		1,764.9		0.0		0.0		0.0		0,0		0.0	
AVERAGE	451.8	28.0	60.9	3.8	#DIV/0I	#DIV/0I	#DIV/0I	#DIV/01	#DIV/0I	#DIV/0I	#DIV/01	#DIV/0I	#DIV/0I	#DIV/0I

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

3

02/2016

PAGE

OF 11

MODE		E Carlo	THE STREET	IN KEN				PM UNLESS		E SPECIFIED	)	HE SHOW	TURBIDITY	INTIB
		рН			TAL LINITY		TAL NESS	TOP	OF	RESIDUAL			SETTLED	PLANT
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7.62	7.70	7.62	125	120	198	192	0.69	0.60	1.74	1,69	1.74	0.33	0.07
2	7.61	7.67	7.59	122	119	195	192	0.69	0.56	1.70	1.63	2.95	0.38	0.06
3	7.61	7.67	7.58	123	120	192	186	0.69	0.56	1.76	1.70	4.18	0.30	0.06
	7.57	7.61	7.53	126	122	188	184	0.75	0.65	1.74	1.66	4.06	0.31	0.05
6	7.56	7.62	7.55	118	115	180	178	0.77	0.70	1.82	1.76	5.33	0.34	0.05
a	7.58	7.64	7.55	114	108	190	186	0.82	0.74	1.77	1.72	5.72	0.31	0.05
7	7.62	7.67	7.61	106	112	180	178	0.80	0.72	1.76	1.70	6.42	0.40	0.06
8	7.59	7.67	7.62	95	92	176	170	0.76	0.68	1.76	1.71	5.94	0.36	0.06
9	7.60	7.67	7.58	77	84	182	175	0.78	0.69	1.71	1.65	6.19	0,38	0.06
10	7.56	7.64	7.55	88	86	175	168	0.75	0.67	1.72	1.66	5.63	0.36	0.06
	7.60	7.63	7.54	88	84	160	157	0.80	0.69	1.68	1.64	5.58	0.39	0.07
12	7.51	7.57	7.47	88	92	158	155	0.77	0.68	1.74	1.70	4.87	0.38	0.05
13	7.59	7.66	7.57	95	90	160	152	0.63	0.55	1,73	1.66	4.37	0.39	0.06
14	7,66	7.66	7.55	83	81	166	172	0.60	0.51	1.77	1.69	4.02	0.41	0.06
16	7.63	7.66	7.56	85	81	162	155	0.56	0.48	1.77	1.68	4.15	0.39	0.06
16	7.60	7.65	7.55	95	90	160	157	0.67	0.57	1.79	1.73	4.18	0.43	0.06
17	7.57	7.57	7.49	85	82	150	145	0.72	0.63	1.74	1.67	12.10	0.33	0.06
18	7.58	7.62	7.53	87	81	148	142	0.65	0.54	1.72	1.66	10.10	0.31	0.06
19	7.59	7.61	7.50	88	85	130	132	0.70	0.61	1.80	1.72	10.10	0.36	0.06
20	7.55	7.59	7.47	88	84	130	128	0.75	0.67	1.89	1.78	11.40	0.25	0.05
21	7.53	7.54	7.44	74	71	131	133	0.75	0.64	1.87	1.79	11.90	0.28	0.06
22	7.51	7.57	7.46	75	72	135	130	0.74	0.66	1.86	1.77	12.60	0.25	0.06
23	7.50	7.54	7.43	75	72	130	125	0.76	0.68	1.85	1.80	15.50	0.27	0.06
24	7.52	7.55	7.44	75	70	135	128	0.72	0.64	1.83	1.76	15.50	0.31	0.06
25	7.59	7.55	7.43	66	69	124	123	0.75	0.66	1.79	1.72	19.90	0.38	0.06
26	7.46	7.50	7.40	70	68	118	112	0.73	0.67	1.79	1.71	21.30	0.33	0.06
27	7.48	7.47	7.38	70	70	112	114	0.72	0.62	1.69	1.64	24.30	0.31	0.05
28	7.48	7.43	7.40	64	63	103	109	0.67	0.59	1.79	1.73	27.10	0.31	0.06
29	7.45	7.43	7.37	65	62	105	102	0.72	0.65	1.83	1.77	28.20	0.29	0.06
30													-	
31														
AVERAGE	7.6	7.6	7.5	90	88	154	151	0.72	0.63	1.77	1.71	10.18	0.34	0.06

### OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PWS ID: KY0800273

PLANT ID:

AGENCY INTEREST: 2987 REPORT MONTH/YEAR:

02/2016

PAGE 4 OF

11 292	JERLAN.		A THE WAY			AN	LYTICAL F	ESULTS (N			HE HE WAS	lave II			PAISS.
	RAW		SEDIM	ENTATION DAILY M	BASIN EFFL	.UENT					L FILTER E ILY MAXIMU				CFE DAILY
DAY	DAJLY MAXIMUM	#1	#2	#3	#4	#6	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
	1.74		0.36	0.54						0.14	0.13	0.06	0.05		0.08
2	2.95		0.49	0.55						0.08	0.07	0.06	0.05		0.06
31	4.18		0.40	0.39						0.06	0.05	0.16	0.20		0.08
4	4.06		0.40	0.36						0.06	0.05	0.06	0.04		0.05
6	5.33		0.35	0.74						0.10	0.09	0.05	0.04		0.06
6:	5.72		0.37	0.45						0.06	0.05	0.05	0.04		0.05
7	6.42		0.39	0.70						0.06	0.05	0.05	0.05		0.06
8	5.94		0.37	0.62						0.06	0.05	0.13	0.15		0.07
9	6.19		0.35	0.67						0.08	0.08	0.06	0.06		0.05
10	5.63		0.38	0.74						0.07	0.06	0.05	0.12		0.07
-11	5.58		0.39	0.64						0.06	0.05	0.07	0.16		0.06
12	4.87		0.37	0.51						0.06	0.05	0.06	0.16		0.05
13	4.37		0.35	0.54						0.08	0.08	0.06	0.06		0.06
14	4.02		0.36	0.62						0.07	0.07	0.06	0.04		0.05
15	4.15		0.48	0.70						0.07	0.06	0.08	0.10		0.06
16	4.18		0.58	0.69						0.07	0.06	0.07	0.12		0.05
17	12.10		0.40	0.38						80.0	0.08	0.06	0.04		0.05
18.	10.10		0.36	0.40						0.07	0.07	0.06	0.04		0.05
19	10.10		0.34	0.77						0.06	0.05	0.08	0.11		0.06
20	11.40		0.29	0.26						0.06	0.05	0.06	0.06		0.05
21	11.90		0.30	0.40						0.06	0.05	0.06	0.04		0.05
22	12.60		0.31	0.28						0.13	0.14	0.06	0.04	ļ	0.08
23	15.50		0.29	0.34						0.06	0.06	0.06	0.04		0.05
24	15.50		0.35	0.58						0.06	0.06	0.16	0.18		0.09
25	19.90		0.35	0.51						0.09	0.09	0.06	0.05		0.05
26	21.30		0.43	0.68						0.08	0.08	0.06	0.04		0.05
27	24.30		0.24	0.56						0.06	0.05	0.07	0.09		0.04
28	27.10		0.26	0.54						0.06	0.05	0.06	0.05		0.05
29 30	28.20		0.30	0.46						0.08	0.08	0.05	0.05		0.05
31															
VERAGI	10.2	#DIV/01	0.4	1	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	0.07	0.07	0.07	0.08	#DIV/01	0.06

### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR:

02/2016

	Please ans	wer Y/N que	stion below						PAGE	5	OF	11
in contrast	FLUC	RIDE		INALYTICAL R		OR PPM UNI	ESS OTHERW	SE SPECIFIEL	Lowest Daily			WATER
									Chlorine Residual Plant Tap On-Line Chlorine	NA CENTRAL	RAINFALL	ТЕМР.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	Analyzer FREE / TOTAL		INCHES	DEGREES F ⁰ /C ⁰
	0.23	0.95	0.03	0.01	0.03	0.01			1.55		0.1	9.2
2	0.12	0.78	0.02	0.04	0.04	0.02			1.60	1000	0.5	10.0
3	0.03	1.02	0.01	0.06	0.03	0.01			1.60		0.5	9.8
4	0.25	0.88	0.05	0.01	0.03	0.01			1.60	SERVICE SERVICE	0.1	9.4
5	0.28	0.94	0.10	0.03	0.05	0.02			1.70		0.0	9.0
6	0.19	0.78	0.07	0.04	0.05	0.03			1,65	MEST	0.0	8.7
7	0.14	0.75	0.10	0.00	0.05	0.02			1.60		0.0	9.3
8	0.18	0.30	0.10	0.03	0.06	0.02			1.60		0.0	8.8
9	0.24	0.73	0.09	0.04	0.05	0.01			1.55	BURE	0.1	8.7
10	0.27	0.92	0.15	0.02	0.05	0.02			1.55	15.5.F.	0.0	8.7
11	0.22	0.81	0.11	0.03	0.05	0.02			1.55	-7	0.0	8.1
12	0.25	0.89	0.13	0.02	0.04	0.02			1.50	SALE SALE SALE SALE SALE SALE SALE SALE	0.0	8.8
13	0.15	0.77	0.11	0.03	0.04	0.00			1.45	DATE:	0.0	8.5
14	0.23	0.74	0.10	0.01	0.04	0.02			1.65	2023	0.0	8.0
15	0.27	0.84	0.07	0.01	0.03	0.01			1.70		0.3	8.3
16	0.30	0.87	0.11	0.06	0.04	0.01			1.55		1.7	8.0
17	0.00	0.77	0.13	0.07	0.06	0.01			1.60	100	0.0	8.2
18	0.18	0.81	0.11	0.02	0.06	0.02			1.55		0.0	10.2
19	0.17	0.81	0.18	0.03	0.05	0.02			1.50		0.0	9.2
20	0.09	0.79	0.20	0.05	0.06	0.01			1.70		0.0	8.2
21	0.09	0.83	0.15	0.05	0.06	0.01			1.70		0.0	8.0
22	0.00	0.66	0.17	0.06	0.07	0.03			1.70		1.4	8.4
23	0.09	0.84	0.17	0.02	0.06	0.01			1.65		0.0	8.1
24	0.09	0.97	0.17	0.05	0.08	0.01			1.60		0.2	8.5
25	0.06	0.69	0.34	0.02	0.10	0.01			1.65		0.2	8.5
26	0.00	0.81	0.27	0.01	0.10	0.02			1.55	, x	0.0	8.7
27	0.00	0.66	0.26	0.00	0.10	0.01			1.55		0.0	8.6
28	0.00	0.76	0.37	0.06	0.10	0.01			1.60	20	0.0	8.0
29	0.00	0.28	0.33	0.03	0.11	0.01			1.65	5755	0.1	8.7
30										100		
31										1000	Total	
AVERAGE	0.14	0.78	0.14	0.03	0.06	0.01	#DIV/0!	#DIV/0!	Monthly Minimum		Rainfall	8.7
								SEAL.	1.45	100	101	
								of readings	29	<u> </u>	5.28	2756

For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less

than 0.5 mg/L

0

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273 PLANT ID: Α 02/2016 REPORT MONTH/YEAR:

OF

11

PAGE FILTER OPERATION No: No: No: TOTAL No: 3 No: AREA (square feet)
WASHWATER AREA (square feet) **WASH WATER** 160 160 FILT RUN WASHWATER FILT RUN FILT RUN WASHWATER FILT RUN WASHWATER WASHWATER FILT RUN HRS GALLONS HRS **GALLONS** HRS GALLONS GALLONS HRS **GALLONS** HR8 GALLONS DAY 0 17,000 102.50 17,000 102.50 34,000 0 3 35,000 17,000 95.80 18,000 95.10 4 0 0 6 119.20 36,000 18,000 119.20 18,000 0 34,000 17,000 115.20 17,000 115.20 9 0 10 17,000 90.70 17,000 90.70 34,000 11 0 34,000 17,000 94.50 17,000 94.50 13 0 18,000 94.80 18,000 94.80 36,000 15 0 18,000 95.10 34,000 16,000 95.10 0 18 18,000 95.10 18,000 95.10 36,000 19 0 20 36,000 18,000 99.30 18,000 98.50 21 0 22 36,000 18,000 98.30 18,000 98.30 23 0 24 17,000 91.00 34,000 17,000 91.00 25 0 26 91.20 33,000 16,000 91.20 17,000 27 0 28 30,000 15,000 95.60 15,000 95.60 29 0 30 31 0 122,000 691.80 123,000 691.80 0 0.00 685.00 TOTAL 482,000 117,000 686.50 120,000 98.829 17,571 98.829 #DIV/0I #DIV/0I 17,143 97.857 17,429 15,548 16,714 98.071 AVERAGE

**COPY AS NEEDED** 

ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 02/2016

PAGE 7 OF 11

- [	CHE	MICALS ADDED						IESULTS			
	CHLORINE	CHLORINE		TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm)  NORTH SQUTH EAST WEST							
,	BOOSTER LB8	BOOSTER LB6		T	P F	T	UTH F	T E	lBT F	T	EBT F
	LBO	LDG		1,36	1.26	1.43	1.40	1.09	1.02	1.45	1.36
			HA CAVE	1.98	1,90	0.25	0.22	1.30	1.22	1.30	1.25
				1.98	1,90	1.44	1.43	1.02	0.93	1.41	1.38
				1,28	1,22		1.20	1.33	1.28	1.41	1.31
						1.28	1.22	1.19	1.09	1.44	1.40
				1.41	1.36	1.29	1.20	1.35	1.29	1.53	1.44
				1,22	1.19	1.26	1,23	1.43	1.29	1.53	1.46
				1.16	1,11	1.22	1,18	1,16	1.08	1.16	1.10
				1.32	1.27	1,44	1.38	1.49	1.41	1.38	1,21
				1.28	1.21	1,22	1.12	1.24	1,20	0.76	0.74
				1.42	1.32	1.16	1.15	1.29	1.24	1.06	0.96
				1.21	1,14	1.41	1.36	1.40	1,38	1.11	1.00
8				1,23	1.00	1.39	1,33	1.40	1.36	0.82	0.8
				1.25	1.16	1,58	1,51	1.67	1,56	1.23	1.1
				1.39	1.30	1.16	1.08	1.13	1.06	1.27	1.13
				1,54	1.50	1,53	1.45	1.56	1.54	1.47	1.4
				1.30	1.24	1.34	1.30	1.04	0.93	1.40	1.3
				1,49	1.45	1.35	1.29	1,25	1,23	1.39	1.3
			0.5	1.24	1.20	1.51	1.48	1.27	1.21	1.23	1.1
				1.31	1.21	1.67	1.57	1.67	1.58	1,31	1.1
				1.59	1.52	1.46	1.36	1.56	1.47	1.60	1.4
920			The US	1.29	1.19	0.69	0.54	1.23	1.07	0.88	0.7
				1.44	1,33	1,13	1,08	1.51	1.43	1,12	1.0
				1.72	1.65	1.52	1.44	1.53	1.42	1.47	1.3
				1.56	1.48	1.44	1.40	1.35	1.28	1.12	0.9
				1.53	1.46	1.49	1.43	1.42	1,39	1.38	1.2
				1.26	1.20	1.42	1.38	1.51	1.46	1.49	1.4
				1.32	1.29	1.26	1.19	1.35	1.29	1.31	1.2
10				1,53	1.49	1.38	1.33	1.35	1,28	1.20	1.1
			No.								
E	#DIV/01	#DIV/01	Average Total	1,39	1,32	1.31	1.25	1.35	1.28	1.28	1.2
	0.0	0.0	Minimum	1,18		0.25		1.02		0.76	
			Minknum		1.00		0.22		0.93		0.74

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?



#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID: **TURBIDITY REPORT** 

KY0800273

PLANT ID: Α

APPLICABLE TO ALL PLANTS WITH FILTRATION Martin County Water District PWS Name:

Report Period (MM/YYYY):

02/2016

Date

PAGE: 8 OF 11

PWS	Name:	Martin	County Water	District					<u> 0</u> 0
DAY	Hours Plant Operated	# of Turbidity. Samples Required*	Mid - 4 am	4 am · 8 am	8 am - Noon	Noon + 4 pm	4 pm > 8 pm	8 pm - Mid	Dally Maximum
1	24.0	6	0.08	0.07	0.07	0.06	0.06	0.06	0.084
2	24.0	6	0.06	0.06	0.06	0.05	0.05	0.05	0.063
3	24.0	6	0.08	0.05	0.05	0.05	0.05	0.05	0.079
4	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.049
6	24.0	6	0.06	0.05	0.05	0.05	0.05	0.05	0.063
6	24.0	6	0.05	0.05	0.05	0.05	0.05	0.04	0.052
7	24.0	6	0.04	0.06	0.06	0.05	0.05	0.05	0.055
8	24.0	6	0.07	0.05	0.05	0.04	0.04	0.04	0.068
9	24.0	6	0.04	0.04	0.05	0.04	0.05	0.05	0.053
10	24.0	6	0.05	0.05	0.05	0.05	0.07	0.06	0.069
11	24.0	6	0.06	0.06	0.06	0.05	0.06	0.05	0.064
12	24.0	6	0.04	0.05	0.05	0.04	0.05	0.05	0.047
13	24.0	6	0.05	0.05	0.04	0.05	0.05	0.06	0.056
14	24.0	6	0.05	0.05	0.05	0.04	0.04	0.05	0.053
15	24.0	6	0.04	0.04	0.05	0.04	0.04	0.06	0.057
16	24.0	6	0.05	0.05	0.05	0.05	0.04	0.04	0.048
17	24.0	6	0.04	0.04	0.04	0.05	0.04	0.05	0.050
18	24.0	6	0.05	0.05	0.05	0.04	0.04	0.04	0.047
19	23.5	6	0.04	0.04	0.04	0.04	0.05	0.06	0.055
20	24.0	6	0.04	0.05	0.05	0.04	0.04	0.04	0.047
21	24.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.047
22	24.0	6	0.08	0.06	0.06	0.05	0.05	0.05	0.079
23	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
24	24.0	6	0.09	0.06	0.05	0.05	0.05	0.05	0.085
25	24.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.054
26	24.0	6	0.05	0.05	0.04	0.04	0.04	0.04	0.050
27	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
28	24.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.045
29	24.0	6	0.04	0.04	0.04	0.04	0.04	0.05	0.045
30	0.0	0							0.000
31	0.0	0							0.000
Total	695.5	174			то	TAL # OF TURBIDITY	SAMPLES TAKEN	174	0.085

Total	695.5	174		-	TOTAL #	OF TURBIDITY	BAMPLES TAKEN -	174
	OU USING EITHE of filtration besides e	ER CONVENTIONAL slow sand)	or DIRECT FILTRA	TION? (Y/N)	Y			
Num	ber of samples ex	xceeding>	0.1 NTU	0	0.3 NTU	0	1 NTU	0
	For slow sand file	tration, the number	of samples exceed	Ing>	1 NTU		5 NTU	
	E: The "Number of the next whole no		s Required" is the r	number of hou	irs the plant operated	divided by 4	rounded	
I certi	ify that the abov	e turbidity reading	s were taken ever	ry 4 hours du	ring plant operation	and in the ti	WITH STATE THE PROPERTY SHOWING A STATE OF THE PARTY OF	bove.
	Clanatura of Dana	ingl Eventullus Office	or Authorized Agen	4			Date	

Signature of Principal Executive Office or Authorized Agent

	A	PPLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATION	
INDIVIDUAL FIL	LTER TURBIDITY E	XCEEDANCE REF	PORT		
PWS Name:	Ма	ntin County Water Dis	strict		
PWS ID:	KY08	00273			
PLANT ID:	J <del>.</del>	A	•		
Report Period (MM/)	YYYY):	02/2			
	eeded any one of the the Summary Shee to report(s).				PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	Date and Time State was Contacted
Date	Later Humber				
-					
				,	
	_				
-					
1			1		

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.: Filter number, the turbidity mea

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID <b>KY0800273</b>		MONITORING PERIOD (MMYYYY)	02/2016
NOTE: COMPLE	TE ALL	APPLICABLE FIELDS!!! NOT ALL OF THE F	IELDS ARE PRE-
		POPULATED FOR YOU!!!	
		ORMATION CONTRACTOR OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STAT	SECTION AND DESIGNATION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE
PLANT ID A			58,000
PLANT NAME Martin County Water District			33,034
AGENCY INTEREST 2987	MΑ	XIMUM PUMPAGE (gallons per day) 1,98	81,000
<u> </u>			
		FFLUENT TURBIDITY	
APPLICABLE TO	ALL PL	ANTS WITH FILTRATION	
ANALYTE CODE 0100			-
Was each filter monitored continuously? (Y/N)		***************************************	Y
Were measurements recorded every 15 minutes? (Y/N)			<u>Y</u>
Was there a failure of the continuous monitoring equipment? (Y			N
If Yes, (1) were individual filter effluent turbidity grab sample (2) was the continuously monitoring equipment repair		7-22000	
Was individual filter level greater than 1.0 NTU in two consecutives		***************************************	N
Was individual filter level greater than 0.5 NTU in two consecutions and the second secution of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		****************************	
Was individual filter level greater than 1.0 NTU in two consecution			N
Was individual filter level greater than 2.0 NTU in two consecution	ve meas	surements in two consecutive months? (Y/N)	N
If any of the last 4 boxes are YES, fill out the Individual Filt	er Turb	dity Sheet and submit with the MOR	
COMBINED FILTER EFFLUENT TURBIDITY		ENTRY POINT RESIDUAL DISINFECTANT CO	
APPLICABLE TO ALL PLANTS WITH FILTRATION		APPLICABLE TO ALL PLANTS	S
ANALYTE CODE 0100		ANALYTE CODE 0999	
Number of hours of plant operation	695.5	Number of days of plant operation	
Were samples taken every 4 hours of plant operation? (Y/N)	Y	Were samples taken each day of operation? (Y/N)	
Number of samples taken	174	Number of lowest chlorine samples recorded	29 1.45
Highest single turbidity reading  For all filtration except slow sand filtration:	0.09	Lowest single chlorine reading  If less than required:	1.45
Number of samples exceeded 0.1 NTU	0	Was residual restored within 4 hours of plant opera	ation? (Y/N)
Number of samples exceeded 0.3 NTU		Free Chlorine (for all disinfectants except chloroming	
Number of samples exceeded 1 NTU	0	Number of samples under 0.2 mg/L	0
When filtration is slow sand filtration:		Total Chlorine (when disinfectant is Chloramine):	
Number of samples exceeded 1 NTU		Number of samples under 0.5 mg/L	
Number of samples exceeded 5 NTU	_		
CHLORINE DIOXIDE ENTRY POINT MONITORING	1000	CHLORITE ENTRY POINT MONITO	DRING
APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIL	Œ	APPLICABLE TO PLANTS UTILIZING CHLO	
ANALYTE CODE 1008		ANALYTE CODE1009	
Number of days of plant operation	29	Number of days of plant operation	29
Were samples taken each day of operation? (Y/N)		Were samples taken each day of operation? (Y/N)	
Number of samples taken Highest single chlorine dioxide reading	0.00	Number of samples taken Highest single chlorite reading	0.00
Number of chlorine dioxide samples exceeded 0.8 mg/L	0.00	Number of chlorite samples exceeded 1 mg/L	0.00
Transactor and around dampied and add to mg/E		Transco, or oriente dampies oxidedada i migra	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my Inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

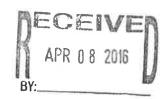
Signature of Prinicipal Executive Officer or Authorized Agent 03/04/2016

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY08002	273	MONITORING PERIOD	(MMYYYY) <b>02/2016</b>
AI 2987	NOTE: COMPLETE ALI	APPLICABLE FIELDS!!! NOT A	
		POPULATED FOR YOU!!	
PUR	CHASED APPLICABLE TO AL		)LD:
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	L WATER SYSTEMS TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	2,429,973	10 WIOMI (FWOID)	TIOV MOOTH (gallotis)
KY0980575	2,423,313		
111030073			
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48-			
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51			XX
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4			
			-
	DISTRIBUTION RESIDUAL DIS	INFECTANT CONCENTRATION	
	APPLICABLE TO AL	L WATER SYSTEMS	
ANALYTE CODE 0999			
Number of days of operation		Free Chlorine (for all disinfectants e	xcept chloramine)
Were samples taken each day of	operation? (Y/N)	Number of samples under 0.2 m	g/L <b>0</b>
Number of samples taken:		Total Chlorine (when disinfectant is	
FREE	116	Number of samples under 0.5 m	g/L
TOTAL			10000000000000000000000000000000000000
Lowest single FREE chlorine read	ding 0.22		
Lowest single TOTAL chlorine rea	ading 0.25		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penallies for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Principal Executive Officer or Authorized Agent 03/04/20



### KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTI DEP Form 4012Re	H & YEAR (mm/yyyy)	03/2016	Indicate one with "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :	KY0800273	PLANT ID: A	PLANT NAME:	Martin County Water District
PWS NAME:	Martin County V	Water District	PLANT CLASS: 3	DIST. CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:	04/05/2016
SOURCE NAME:	Crum Rese	arvolr	COUNTY:	Martin
	Tug Fo	ork		
	OPERATOR(S) RESPONS	SIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley	у	1V-A	17562
WTP SHIFT 2:	Michael S	artin	1V-A	21944
WTP SHIFT 3:	Timothy D Reed / E	Ibert Osborne	1V-A / 11-A	24590 / 27800
DISTRIBUTION:				<del></del>
THIS REP				APPLICABLE FIELD OFFICE
	NO LATER TH	HAN 10 DAYS AFTER	R THE END OF THE	MONTH.
TREATMENT PLANTS	COMPLETE:			
1. DESIGN CAPACITY (gpm):		1,66	7	
2. TYPE OF FILTRATION USE	iD:	Dual Me	edia	
3. DESIGN FILTRATION RATE	Ē (gpm/sq. ft.):	2.66	\$	
4. PERCENT BACKWASH WA	TER USED:	8.0		
5. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED:	#2 - 3/18/10	#3 - 9/2/ 09	
6. DATE SETTLING BASIN(S)	LAST CLEANED:			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and Imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 04/05/2016 DATE

al T. aller

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

		5	

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2016
PAGE 1 OF

		LICABLE TO	Name and Associate		ne				REPORT MO PAGE	1	03/2	11
	RAW WATER	HOURS PLANT		ULANT		ULANT	pH ADJU	STMENT	DISINFE		DISINFE	
DAY	GALLON8	OPERATED	LBS	Peo	Poly LB9	PPM	LBS	PPM	LBS	PPM	LB8	et PPM
1	1,965,000	24.0	224.2	13.7		7,730			327.6	20.0	165.7	10.1
2	1,913,000	24.0	224.2	14.1	2.5	0.2			311.0	19.5	169.2	10.6
3	1,941,000	24.0	224.2	13.9	4.2	0.3			311.0	19.2	169.2	10.5
4	1,926,000	24.0	224.2	14.0	4.2	0.3			311.0	19.4	169.2	10.5
5	1,937,000	24.0	224.2	13.9	4.2	0.3			311.0	19.3	169.2	10.5
6	1,903,000	24.0	224.2	14.1	4.2	0.3			315.0	19.8	169.2	10.7
7	1,946,000	24.0	224.2	13.8	4.2	0.3			327.6	20.2	169.2	10.4
8	1,917,000	24.0	224.2	14.0	4.2	0.3			327.6	20.5	169.2	10.6
9	1,941,000	24.0	224.2	13.9	4.2	0.3			327.6	20.2	169.2	10.5
10	1,907,000	24.0	224.2	14.1	4.2	0.3			330.2	20.8	169.2	10.6
11	1,925,000	24.0	224.2	14.0	4.2	0,3			311.0	19.4	159.8	10.0
12	1,930,000	24.0	224.2	13.9	4.2	0.3			319.8	19.9	156.6	9.7
13	1,947,000	24.0	224.2	13.8	4.2	0.3			315.4	19.4	169.2	10.4
14	1,791,000	24.0	224.2	15.0	4.2	0.3			330.4	22.1	163.5	10.9
15	1,970,000	24.0	210.9	12.8	4.2	0.3			330.4	20.1	163.5	10.0
16	1,934,000	24.0	192.2	11.9	4.2	0.3			330.4	20.5	169.2	10.5
17	1,982,000	24.0	192.2	11.6	4.2	0.3			343.6	20.8	169.2	10.2
18	1,947,000	24.0	192.2	11.8	4.2	0.3			335.6	20.7	169.2	10.4
19	1,975,000	24.0	192.2	11.7	4.2	0.3			328.6	19.9	177.3	10.8
20	1,969,000	24.0	192.2	11.7	4.2	0.3			333.0	20.3	169.2	10.3
21	1,741,000	21.0	168.2	11.6	3.7	0.3			294.2	20.3	160.2	11.0
22	1,899,000	24.0	192.2	12.1	4.2	0.3			335.6	21.2	183.1	11.6
28	1,901,000	24.0	192.2	12.1	4.2	0.3			338.6	21.4	183.1	11.5
24	1,868,000	24.0	192.2	12.3	4.2	0.3			335.8	21.6	183.1	11.8
25	1,865,000	24.0	192.2	12.4	4.2	0.3			333.0	21.4	183.1	11.8
26	1,929,000	24.0	192.2	11.9	4.2	0.3			333.0	20.7	183.2	11.4
27	1,893,000	24.0	192.2	12.2	4:2	0.3			322.1	20.4	183.2	11.6
28	1,913,000	24.0	192.2	12.0	4.2	0.3			327.6	20.5	183.1	11.5
29	1,891,000	24.0	192.2	12.2	4.2	0.3			335.6	21.3	183.1	11.6
30	1,915,000	24.0	192.2	12.0	4,2	0.3			338.6	21.2	183.1	11.5
31	1,885,000	24.0	192.2	12.2	4.2	0.3			333.0	21.2	183.1	11.6
OTAL	59,366,000		6401.1		123.8		0.0		10104.9		5346.6	
ERAGE	1,915,032		206.5	12.9	4.1	0.3	#DIV/0I	#DIV/0!	326.0	20.4	172.5	10.8

MAX

1,982,000

APPL	CABLE	TO ALL	PLANTS	
	Collegender			

498.4

AVERAGE

31.2

60.7

3.8

#DIV/0!

#DIV/0I

125.8

7.9

#DIV/0I

#DIV/0!

#DIV/0!

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#DIV/0I

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 03/2016

PAGE OF 11 CHEMICALS ADDED DISINFECTANT FLUORIDE CARBON PH ADJUSTMENT KMnO₄ CORROSION H202 INHIBITOR Post LBS PPM LBS PPM LB8 РРМ LBS PPM LBS PPM LB8 PPM LB\$ PPM 493.3 30.1 60.9 3.7 480.2 30.1 60.9 3.8 480.2 3 29.7 60.9 3.8 480.2 29.9 60.9 3.8 4 480.2 29.7 60.9 3.8 484.2 30.5 60.9 6 3.8 496.8 30.6 60.9 3.8 496.8 31.1 60.9 3.8 8 496.8 30.7 60.9 3.8 499.4 31.4 60.9 10 3.8 11 470.8 29,3 60.9 3.8 40.9 2.5 476.4 29.6 60.9 3.8 130.9 12 8.1 484.6 29.8 13 60.9 3.8 130.9 8.1 14 493.9 33.1 60.9 4.1 130.9 8.8 15 493,9 30.1 60.9 3.7 130.9 8.0 10 499.6 31.0 60.9 3.8 130.9 8.1 512.8 31.0 60.9 3.7 130.9 7.9 18 504.8 31.1 60.9 3.8 130.9 8.1 505.9 19 30.7 60.9 3.7 130.9 7.9 502.2 30.6 60.9 3.7 130.9 8.0 454.4 31.3 53.3 3.7 114.5 7.9 22 518.7 32.8 60.9 3.8 130.9 8.3 23 521.7 32.9 60.9 3.8 130.9 8.3 518.9 33.3 60.9 3.9 130,9 8.4 24 25 516.1 33.2 60.9 3.9 130.9 8.4 26 516.2 32.1 60.9 3.8 130.9 8.1 505.3 32.0 60.9 130,9 3.9 8.3 28 32.0 510.7 60.9 3.8 8.2 130.9 29 518,7 32.9 80.9 3,9 130.9 8.3 521.7 32.7 60.9 3.8 130.9 8.2 516.1 32.8 60.9 3.9 130.9 8.3 15,451.5 1,880.3 0.0 2,642.5 0.0 0.0 0.0 TOTAL

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 3

03/2016

PAGE

OF

11

		pH		TO	TAL	TO	TAL		CHLORINE	E SPECIFIEI		TURBIDITY (NTU)			
		TOP OF	[		LINITY		NESS	FIL	OF TER		AP		SETTLED	PLANT	
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP	
1	7.34	7.40	7.32	68	62	95	92	0.73	0.65	1.78	1.71	31.70	0.27	0.05	
2	7.37	7.35	7.26	65	60	98	94	0.68	0.61	1.73	1.68	32.80	0.35	0.06	
3	7.24	7.33	7.24	60	55	98	90	0.66	0.59	1,78	1.73	33.30	0.32	0.05	
4	7.25	7.28	7.20	60	54	84	79	0.62	0.55	1.70	1.63	32.00	0.25	0.05	
5	7.21	7.23	7.14	60	58	88	82	0.57	0.51	1.63	1.59	32.50	0.26	0.06	
6	7.19	7.18	7.09	45	42	78	71	0.56	0.50	1.67	1.64	30.80	0.31	0.06	
7	7,11	7.21	7.08	47	43	77	74	0.63	0.56	1.74	1.69	29.50	0.29	0,07	
8	7.11	7.12	7.02	45	38	65	58	0.66	0.59	1.77	1.74	27.30	0.24	0.06	
9	7.01	7.08	6.99	45	42	70	65	0.63	0.56	1.84	1.80	25.70	0.27	0.07	
10	7.03	7.06	6.93	44	38	57	55	0.70	0.64	1.90	1.86	22.40	0.31	0.07	
13	6.89	6.97	6.94	44	38	75	67	0.67	0.59	1.91	1.85	21.10	0.26	0.06	
12	7.06	6.98	7.28	30	35	62	50	0.70	0.62	1.82	1.78	19.10	0.25	0.04	
13	7.02	6.96	7.39	26	25	43	41	0.71	0.64	1.71	1.68	17.70	0.23	0.05	
14	7.14	6.96	7.36	25	22	41	37	0.73	0.67	1.68	1.64	16.00	0.23	0.06	
15	6.97	6.91	7.09	25	23	50	47	0.67	0.60	1.63	1.60	15.90	0.22	0.05	
16	6.97	6.93	7.16	25	22	45	40	0.59	0.51	1.63	1.57	14.70	0.27	0.05	
17	6.96	6.90	7.17	27	22	50	47	0.65	0.58	1.69	1.64	14.60	0.31	0.05	
18	7.02	6.92	7.19	25	23	48	45	0.66	0.58	1.74	1.68	14.20	0.43	0.05	
19	6.95	6.89	7.17	24	20	48	45	0.70	0.62	1.76	1.69	13.60	0.27	0.05	
20	6.77	6.83	7.02	18	17	49	45	0.66	0.59	1.71	1.64	13.60	0.33	0.06	
21	6.93	6.90	7.20	24	22	49	45	0.67	0.57	1.77	1.69	13.20	0.38	0.06	
22	6.94	6.89	7.17	25	20	45	44	0.64	0.59	1.79	1.72	12.40	0.35	0.06	
23	6.94	6.93	7.18	23	21	35	33	0.63	0.54	1.81	1.76	12.40	0.39	0.05	
24	6.88	6.90	7.17	24	20	35	40	0.67	0.59	1.84	1.76	11.80	0.30	0.05	
25	6.90	6.93	7.24	30	25	42	38	0.65	0.57	1.69	1.63	11.90	0.23	0.05	
26	6.89	6.85	7.07	25	22	45	37	0.63	0.54	1.72	1.62	11.60	0.28	0.05	
27	6,83	6.88	7,17	21	22	38	42	0.70	0.62	1.77	1.67	11.20	0.59	0.05	
28	6.88	6.91	7.05	24	22	40	45	0.65	0.55	1.82	1.76	10.50	0.05	0.05	
23	6.93	6.91	7.16	25	21	40	42	0.62	0.53	1.73	1.69	10.50	0.30	0.04	
30	6.88	6.91	7.17	25	22	45	41	0.56	0.46	1.75	1.69	9.67	0.28	0.04	
31	6.90	6.94	7.19	25	22	37	40	0.64	0.56	1.80	1.74	9.26	0.26	0.05	
AVERAGE	7.0	7.0	7.2	35	32	57	54	0.65	0.58	1.75	1.70	18.80	0.29	0.05	

#### OPTIONAL INFORMATION—Surface Water Plants Only

KENTUCKY DIVISION OF WATER

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

**DRINKING WATER BRANCH** 

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PWS ID: KY0800273

PLANT ID:

Α

AGENCY INTEREST: REPORT MONTH/YEAR:

2987

03/2016

BERUIT IN		COPY PAGE			JRBIDITY				Control of			PAGE	4	OF	11
	RAW DAILY	TOTAL CHILL	SEDIM		BASIN EFF		IALYTICAL	RESULTS	NTU)		AL FILTER E				CFE DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUN
1	31.70		0.27	0.61						0.07	0.07	0.05	0.04		0.05
2	32.80		0.29	0.79						0.06	0.05	0.07	0.10		0.05
3	33.30		0.24	0.89						0.06	0.05	0.06	0.05		0.06
4	32.00		0.27	0.46						0.08	0.08	0.05	0.04		0.05
5	32.50		0.24	0.45						0.07	0.07	0.05	0.04		0.05
в	30.80		0.22	0.50						0.06	0.05	0.05	0.04		0.05
7	29.50		0.22	0.63						0.05	0.05	0.11	0.21		0.10
8	27.30		0.20	0.50						0.05	0.05	0.05	0.08		0.06
9	25.70		0.23	0.58						0.10	0.10	0.05	0.09		0.06
10	22.40		0.29	0.83						0.05	0.05	0.05	0.11		0.06
11	21.10		0.22	0.60						0.05	0.04	0.13	0.19		0.06
12	19.10		0.23	0.45						0.05	0.05	0.04	0.03		0.04
13	17.70		0.20	0.44						0.05	0.04	0.04	0.02		0.04
14	16.00		0.27	0.48						0.04	0.04	0.06	0.08		0.04
15	15.90		0.21	0.63						0.04	0.04	0.04	0.03		0.03
10	14.70		0.37	0.56						0.06	0.06	0.04	0.03		0.03
17	14.60		0.25	0.66						0.05	0.04	0.04	0.02		0.03
18	14.20		0.43	0.80						0.05	0.04	0.04	0.06		0.04
19	13.60		0.29	0.50						0.04	0.04	0.04	0.09		0.03
20	13.60		0.28	0.66						0.04	0.04	0.04	0.05		0.04
21	13.20		0.34	0.90						0.06	0.06	0.04	0.07		0.05
22	12.40		0.38	0.82						0.05	0.05	0.05	0.08		0.05
. 23	12.40		0.48	0.87						0.06	0.07	0.06	0.06		0.06
24	11.80		0.28	0.65						0.05	0.04	0.04	0.04		0.05
25	11.90		0.26	0.44						0.06	0.06	0.04	0.04		0.05
26	11.60		0.19	0.71						0.05	0.05	0.04	0.04		0.05
27	11.20		0.26	0.59						0.05	0.04	0.05	0.05		0.05
28	10.50		0.26	0.36						0.05	0.04	0.04	0.05		0.04
29	10.50		0.21	0.83						0.06	0.05	0.04	0.03		0.05
30	9.67		0.35	0.45						0.05	0.05	0.04	0.02		0.04
31	9.26		0.34	0.46						0.04	0.04	0.06	0.08		0.05
AVERAG	18.8	#DIV/01	0.3	1	#DIV/0!	#DIV/0!	#DIV/0I	#DIV/0!	#DIV/0!	0.05	0.05	0.05	0.06	#DIV/0!	0.05

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID: KY0800273

APPLICABLE TO ALL PLANTS

*Please answer Y/N question below this chart.

REPORT MONTH/YEAR:

For Chloramines, # less

than 0.5 mg/L

PAGE

03/2016

11

OF

5

	FLUC	ORIDE		NALYTICAL R		L OR PPM UN NGANESE	LESS OTHERW	ISE SPECIFIE			WATER
	7200	JKIDE		NOI4	MAI	NGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	TEMP.
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.00	0.86	0.37	0.04	0.11	0.01			1.55	0.0	8.7
2	0.00	0.79	0.35	0.06	0.12	0.00			1.55	0.4	9.5
3	0.00	0.90	0.42	0.02	0.11	0.01			1.65	0.0	8.7
4	0.00	0.81	0.43	0.05	0.11	0.00			1.60	0.4	8.9
5	0.00	0.78	0.35	0.01	0.12	0.01			1.55	0.0	8.9
6	0.00	0.81	0.43	0.06	0.11	0.01			1.60	0.2	7.8
7	0.00	0.84	0.38	0.05	0.10	0.01			1.60	0.0	9.4
8	0.00	0.78	0.30	0.00	0.09	0.00			1.60	0.0	9.2
9	0.00	0.75	0.48	0.01	0.09	0.01			1.65	0.0	9.2
10	0.00	0.73	0.33	0.03	0.08	0.01			1.65	0.0	9.3
11	0.00	0.87	0.35	0.05	0.09	0.00			1.64	0.2	9.4
12	0.00	0.70	0.29	0.00	0.07	0.00			1.55	0.0	9.8
13	0.00	0.83	0.32	0.02	0.07	0.01			1.55	0.2	9.7
14	0.00	0.12	0.32	0.05	0.06	0.00			1.60	0.2	9.8
15	0.01	0.80	0.23	0.03	0.06	0.00			1.55	0.1	10.0
16	0.00	0.77	0.21	0.05	0.06	0.01			1.60	0.0	10.1
17.	0.00	0.75	0.29	0.05	0.09	0.00			1.55	0.0	10.3
18	0.01	0.81	0.23	0.01	0.06	0.01			1.55	0.0	10.3
19	0.00	0.71	0.24	0.03	0.05	0,01			1.60	0.0	10.2
20	0.02	0.56	0.32	0.00	0.05	0.00			1.60	0.0	9.6
21	0.00	0.56	0.23	0.01	0.05	0.00			1.55	0.0	10.1
22	0.12	0.89	0.26	0.02	0.04	0.00			1.50	0.0	9.6
23	0.03	0.62	0.24	0.02	0.04	0.00			1.55	0.0	10.1
24	0.00	0.74	0.23	0.00	0.04	0.01			1.65	0.0	10.0
25	0.03	0.69	0.22	0.04	0.04	0.00			1.60	0.2	10.1
26	0.00	0.77	0.23	0.05	0.05	0.01			1.65	0.0	10.5
27	0.00	0.59	0.31	0.01	0.05	0.00			1.28	0.0	10.7
28	0.02	0.68	0.20	0.03	0.05	0.00			1.55	0.3	10.7
29	0.07	0.72	0.21	0.04	0.04	0.00			1.55	0.0	10.6
30	0.13	0.79	0.23	0.02	0.05	0.01			1.60	0.0	10.6
31	0.08	0.57	0.20	0.01	0.05	0.00			1.50	0.0	10.7
AVERAGE	0.02	0.73	0.30	0.03	0.07	0.00	#DIV/0!	#DIV/01	Monthly Minimum	l otal Rainfall	9.8
							n even b		1.28		
							For Free Ch	of readings	31	2.09	
					1			.2 mg/L nines. # less	0		

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 03/2016

r	De la la la la la la la la la la la la la							PAGE	6	OF	11
	TOTAL	No:	3	No:	4	FILTER OPER	ATION 5	No.	1 10 H		
	WASH WATER	AREA (square feet)	180	AREA (square feet)	160	No: AREA (square feet)	180	No: AREA (square feet)	160	No: AREA (square feet)	-
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRB
	0									331102300	
2	31,000					15,000	91.60	16,000	91.60		
3	0										
4	30,000	15,000	94.70	15,000	94.70						
. 5	0										
6	32,000					16,000	102.50	16,000	102.60		
7	0										
8	32,000	16,000	99.70	16,000	99.70						
9	0										
10	34,000					17,000	95.00	17,000	95.10		
11	0										
12	32,000	15,000	91.10	17,000	91.10						
13	0										
14	31,000					16,000	86.40	15,000	86.40		
15	0										
16	30,000	15,000	86.40	15,000	86.40						
17	0										
18	30,000					15,000	90.60	15,000	90.60		
19	0										
20	0										
21	32,000	16,000	124.40	16,000	124.40						
22	31,000					16,000	100.50	15,000	100.50		
23	0										
24	0	40.6==									
25	31,000	16,000	90.30	15,000	90.30						
26	0					.=					
27	33,000					17,000	113.60	16,000	113.60		
28	0	45.000	00.50	45.000	00.50						
29	30,000	15,000	98.50	15,000	98.50						
30	0					45.000		4			
31	30,000	400.000	005.40	400.000	005.10	15,000	92.20	15,000	92.20		
TOTAL	469,000	108,000	685.10	109,000	685.10	127,000	772,40	125,000	772.60	0	0.00
AVERAGE	15,129	15,429	97.871	15,571	97.871	15,875	96.550	15,625	96.575	#DIV/0I	#DIV/0!

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID : KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR: 03/2016

PAGE

	СНЕ	MICALS ADDED		DISTRIBUTION SYSTEM OPERATION TEST RESULTS										
	CHLORINE BOOSTER	CHLORINE BOOSTER		N/	ORTH		L (T) AND FREE (F)	CHLORINE RESIDUA	L (ppm) AST		ST			
DAY	LBS	LBS		T	F	T	F	ī	F	T	F			
1				1.31	1.25	1.24	1.21	1.46	1.42	1.28	1.27			
2			31 1/2	1.21	1.16	1,24	1.22	1.43	1.37	1,12	1.11			
3				1.38	1,32	1.32	1.28	1,39	1.35	1.49	1.46			
4				1,50	1.47	1.26	1.25	1.46	1,40	1.47	1.43			
5				1.25	1.22	0.89	0.88	1.28	1.27	1.25	1.21			
6				1.33	1.25	1.29	1.24	1.48	1,43	1.40	1,38			
7				1.39	1.31	1.01	0,91	1.37	1,25	1.43	1,38			
8				1.53	1.47	1,33	1.26	1.47	1.45	1.42	1.42			
9				1.49	1,46	1.44	1.39	1.49	1,45	1.48	1.46			
10			100 ( S ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	1.41	1.36	1,53	1.48	1.46	1.39	1.41	1.39			
11			W.G. 121	1.64	1,58	1.12	1.04	1.57	1.51	1.44	1.39			
12				1.56	1.49	1.22	1,17	1.15	1,13	1.49	1.40			
3				1.31	1,29	1.50	1.41	1.43	1.35	1,50	1.42			
4				1.41	1.32	1.46	1,43	1.49	1.48	1.38	1.32			
ß				1.32	1.23	1.30	1.28	1.41	1,33	1.45	1,39			
6				1.18	1.14	1.12	1,07	1.10	1.03	1.11	0.97			
7				1,28	1.21	1.28	1,19	1.07	0.91	1.02	0.91			
8			166.8	1,20	1,15	1,31	1.24	1.55	1.53	1.34	1.30			
9				1.32	1.27	1.51	1.43	1.55	1.45	1.38	1.27			
0				1.69	1.60	1.45	1.36	1.57	1,49	1.52	1,46			
1			100	1.41	1.35	1.44	1.39	1.32	1.19	1.51	1.40			
2			701	1.47	1.41	1.27	1,15	1.37	1.29	1.48	1.44			
3				1.58	1.47	1.44	1.32	1.21	1,11	1.49	1.40			
4				1.32	1,24	1,39	1.28	1,39	1.26	1.44	1.41			
5			111123	1.49	1.41	1.42	1.31	1.34	1.22	1.50	1.41			
6				1.30	1,19	0,78	0.72	1.69	1.59	1.29	1.24			
7			N. S.	1.34	1,27	1.22	1.11	1.18	1.10	0.71	0,66			
8			1210	1,72	1.63	1.51	1.47	1.52	1.47	1.53	1.45			
9				1.41	1.35	1.29	1.20	1.30	1.16	1.23	1.04			
0				1.49	1.40	1.24	1.10	1.29	1.24	1.31	1.19			
11				1.50	1.43	1.55	1.49	1.52	1.47	1,30	1.24			
RAGE	#DIV/0I	#DIV/01	Average	1.41	1.35	1.30	1.23	1.40	1.33	1.36	1.30			
L.	0.0	0.0	Total Minimum	1.18		0.78		1.07		0.71				
			Minimum		1.14		0.72		0.91		0.66			

Number of Total Residuals 124 Residual Number of Total Residuals 124 Residual Total # Less then 0.2 mg/L 0

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation?



#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID: KY0800273 **TURBIDITY REPORT PLANT ID:** APPLICABLE TO ALL PLANTS WITH FILTRATION 03/2016 PAGE: Report Period (MM/YYYY): 8 OF 11 Martin County Water District PWS Name: DAY # of Turbidity. Daily Meximum Mid - 4 am 8 pm - Mid 4 am - 8 am 8 am - Noon Noon - 4 pm 4 pm - 8 pm 24.0 6 0.04 0.05 0.04 0.04 0.04 0.04 0.050 24.0 6 0.04 0.04 0.048 0.04 0.04 0.05 0.05 2 24.0 6 0.04 0.04 0.03 0.04 0.06 0.05 0.059 3 24.0 6 0.04 0.04 0.04 0.04 0.04 0.05 0.048 4 24.0 6 0.05 0.05 0.05 0.05 0.051 0.04 0.05 6 24.0 6 0.05 0.05 0.04 0.04 0.04 0.05 0.049 0 24.0 0.07 0.05 0.099 6 0.10 0.06 0.05 0.05 7 6 24.0 0.04 0.05 0.05 0.05 0.05 0.06 0.055 8 24.0 6 0.06 0.05 0.05 0.060 0.06 0.05 0.05 9 24.0 6 0.05 0.06 0.05 0.05 0.06 0.06 0.060 10 24.0 6 0.06 0.03 0.04 0.04 0.03 0.03 0.058 ti 24.0 6 0.03 0.03 0.03 0.03 0.04 0.04 0.040 12 24.0 6 0.04 0.04 0.04 0.03 0.03 0.03 0.040 24.0 6 0.03 0.03 0.03 0.03 0.04 0.03 0.040 14 24.0 6 0.03 0.03 0.03 0.030 0.03 0.03 0.03 15 24.0 6 0.03 0.03 0.03 0.03 0.03 0.033 0.03 16 17 24.0 6 0.03 0.03 0.03 0.03 0.03 0.03 0.030 24.0 6 0.03 0.03 0.03 0.03 0.03 0.04 0.037 18 24.0 6 0.03 0.03 0.03 0.03 0.034 19 0.03 0.03 24.0 6 0.04 0.04 0.04 0.03 0.039 0.04 0.04 20 21.0 6 0.04 0.04 0.05 0.04 0.04 0.04 0.047 21 24.0 6 0.05 0.05 0.05 0.04 0.05 0.04 0.054 0.04 24.0 6 0.04 0.04 0.04 0.06 0.04 0.059 23. 6 0.04 24.0 0.05 0.05 0.04 0.04 0.04 0.046 24 24.0 6 0.04 0.04 0.04 0.04 0.05 0.04 0.045 25 24.0 6 0.04 0.05 0.05 0.04 0.04 0.04 0.046 26 0.04 27 24.0 6 0.05 0.05 0.04 0.05 0.04 0.046 28 24.0 6 0.04 0.04 0.04 0.03 0.04 0.04 0.039 6 0.04 24.0 0.04 0.04 0.04 0.04 0.05 0.045 19 30 24.0 6 0.04 0.04 0.04 0.04 0.04 0.04 0.043 24.0 6 0.04 0.04 0.05 0.04 0.04 0.049 31 0.05 741.0 186 186 0.099 TOTAL # OF TURBIDITY SAMPLES TAKEN -Total ARE YOU USING EITHER CONVENTIONAL OF DIRECT FILTRATION? (Y/N) (Any type of filtration besides slow sand) 0.1 NTU.____ 1 NTU _____ 0.3 NTU Number of samples exceeding ---> 1 NTU 5 NTU For slow sand filtration, the number of samples exceeding --> *NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.

I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

04/05/2016

Tail T. alley

Signature of Principal Executive Officer or Authorized Agent

INDIVIDUAL FIL		XCEEDANCE REP	ORT		
PWS Name:	Ma	artin County Water Dis	trict		
PWS ID:		300273			
PLANT ID:		A			
Report Period (MM/Y)	YY):	03/2	2016		
	ne Summary Shee	he individual filter t ), complete the fo			PAGE 9 OF 11
Date	Filter Number	Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedance (if known)	Date and Time State was Contacted

APPLICABLE TO ALL SUPEACE WATER DLANTS WITH FUTDATION

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

- For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no obvious reason for the exceedance
- For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no obvious reason for the exceedance
- For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the
- For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMY	YYY) <b>03/2016</b>
	·	NOTE: COMPLETE A	ALL AF	PLICABLE FIELDS!!! NOT ALL C	OF THE FIELDS ARE PR
	TO PRODUCE MANAGEMENT	PLANTI	INFORM	POPULATED FOR YOU!!!	Walter State of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the C
		APPLICABL			
PLANT ID A			TOTAL	. WATER TREATED (gallons)	59,366,000
PLANT NAME	Martin County V	later District	AVE. D	OAILY PRODUCTION (gallons)	1,915,032
AGENCY INTE	REST		MAXIM	IUM PUMPAGE (gallons per day)	1,982,000
	如此在 医 医 经 经 经 经 经 经 经 经 经 经 经 经 经 经 经 经 经	APPLICABLE TO ALL			的內容的為自由自由
ANALYTE COL	DE 0100				
1	monitored continuously? ()	//N)			
	ments recorded every 15 m	*************			
	lure of the continuous moni				
If Yes, (1)	were individual filter effluen	t turbidity grab samples co	collected	every four hours of operation? (Y/N)	
(2)	was the continuously monit	oring equipment repaired v	within 5	working days? (Y/N)	
	filter level greater than 1.0				
				ments after on line for more than four h	100000000
				ments in three consecutive months? (	
				ments in two consecutive months? (Y/I	V) [
100				Sheet and submit with the MOR	
	IMBINED FILTER EFFLUE CABLE TO ALL PLANTS I			ENTRY POINT RESIDUAL DISINFEG APPLICABLE TO AL	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
			1		Section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and the section and th
ANALYTE COL	DE 0100 rs of plant operation	741	- 11	NALYTE CODE 0999 Imber of days of plant operation	
	taken every 4 hours of plan			ere samples taken each day of operation	
Number of sam	•			imber of lowest chlorine samples recor	
Highest single t	***************************************	0.1		west single chlorine reading	1.3
For all filtration	except slow sand filtration:		lf le	ess than required:	
	samples exceeded 0.1 NTU			as residual restored within 4 hours of p	
	samples exceeded 0.3 NTU			tor all disinfectants except	t chloromine):
	samples exceeded 1 NTU		0	Number of samples under 0.2 mg/L	
	is slow sand filtration; samples exceeded 1 NTU		10	tal Chlorine (when disinfectant is Chlor Number of samples under 0.5 mg/L	ramine):
	samples exceeded 5 NTU			realized of campion and of old mg/E	
	RINE DIOXIDE ENTRY PO LE TO PLANTS UTILIZING			CHLORITE ENTRY POINT APPLICABLE TO PLANTS UTILIZI	
ANALYTE COE			AN	NALYTE CODE1009	
	s of plant operation			mber of days of plant operation	
	taken each day of operation	1? (Y/N)		ere samples taken each day of operation	on? (Y/N)
Number of sam	ples taken chlorine dioxide reading			imber of samples taken	
1 * *	rine dioxide reading rine dioxide samples excee			ghest single chlorite reading imber of chlorite samples exceeded 1 r	
1.1011001 01 0110	and dioxido dampies excee	555 5.5 mg/L		and of choine samples exceeded 11	
I certify under penal	ty of law that I have personally exa	amined and am familiar with the i	e informatio	on submitted herein. Based on my inquiry of tho	se individuals Immediately

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

04/05/2016 Date

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800273		MONITORING PERIOD	(MMYYYY) <b>03/2016</b>
AI 2987	NOTE: COMPLETE AL	L APPLICABLE FIELDS!!! NOT	
aumo/w		POPULATED FOR YOU!	
PURCHA			OLD
FROM WHOM? (PWS ID)	HOW MUCH? (gallons)	TO WHOM? (PWS ID)	HOW MUCH? (gallons)
WV3303003	2,822,932		(30.00)
KY0980575	0		
			-
	*		·
			-
			(
N 12		<del></del>	
		-	
		-	
		-	-
			•
-		***************************************	-
•			
***			
) <del></del>			
	APPLICABLE TO A	SINFECTANT CONCENTRATION	而是1000年1000年1000年1000年1000年1000年1000日 1000年100日第二日第二日第二日第二日第二日第二日第二日第二日第二日第二日第二日第二日第二日
ANALYTE CODE 0999	AFFEIGABLE TO A	LL WATER STSTEMS	
Number of days of operation	31	Free Chlorine (for all disInfectants	except chloramine)
Were samples taken each day of oper	ation? (Y/N)	Number of samples under 0.2 n	· ·
Number of samples taken:	, , , , , , , , , , , , , , , , , , , ,	Total Chlorine (when disinfectant is	***************************************
FREE	124	Number of samples under 0.5 n	ng/L
TOTAL	124	,	
Lowest single FREE chlorine reading	0.66		
Lowest single TOTAL chlorine reading	0.71		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer of Authorized Agent

04/05/2016



# KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

Revised 01/04/07

MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTH DEP Form 4012Re	H & YEAR (mm/yyyy) vised 07/2006	04/2016	Indicate one with "X"	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME: WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION:	Martin County Water 2987 Crum Reservoir Tug Fork OPERATOR(S) RESPONSIBLE Earl T Alley Michael Sartin Timothy D Reed / Elbert	E / IN-CHARGE	PLANT CLASS: 3 DATE MAILED: COUNTY:  CLASS 1V-A 1V-A 1V-A/11-A	Martin County Water District  DIST. CLASS: 2  05/05/2016  Martin  CERTIFICATION NUMBER  17562  21944  24590 / 27800  APPLICABLE FIELD OFFICE
	NO LATER THAN	10 DAYS AFTER	THE END OF THE	MONTH.
TREATMENT PLANTS ( 1. DESIGN CAPACITY (gpm): 2. TYPE OF FILTRATION USE 3. DESIGN FILTRATION RATE 4. PERCENT BACKWASH WA 5. DATE FLOCCULATION BA 6. DATE SETTLING BASIN(S)	E (gpm/sq. ft.):  ITER USED:  SIN(S) LAST CLEANED:	1,66 Dual Me 2.66 0.7 #2 - 3/18/10	edia	
	11====			

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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05/04/2016

 KY0800273 A

APPLICABLE TO ALL PLANTS REPORT MONTH/YEAR:

ORT MONTH/YEAR: 04/2016
PAGE 1 OF 11

	Harris State							PAGE			
RAW WATER	HOURS PLANT	COAG	ULANT	COAG	ULANT	pH ADJU	STMENT				
TREATED	OPERATED										
GALLONS		LBS	PPM	LBS	PPM	LBS	PPM	LB8	PPM	LB9	PPM
1,938.000	24.0	192,2	11.9	4.2	0.3			333.0	20,6	183.1	11.3
1,955,000	24.0	192.2	11.8	4.2	0.3			333.6	20.5	183.2	11,2
1,874,000	24.0	192.2	12.3	4.2	0,3			366.0	23.4	183.1	11.7
1,936,000	24,0	192.2	11.9	4.2	0.3			338.6	21.0	183,1	11,3
1,906,000	24.0	183.0	11.5	4,2	0.3			338.6	21,3	183,1	11.5
1,925,000	24.0	164.7	10.3	4.2	0.3			338.6	21.1	183,1	11.4
1,798,000	22.5	154.4	10,3	3.9	0,3			309.2	20.6	171.7	11,5
1,915,000	24.0	164.7	10.3	4.2	0.3			333.0	20.9	183.2	11,5
1,924,000	24.0	164.7	10.3	4.2	0.3			333.6	20,8	183.2	11.4
1,933,000	24.0	164.7	10.2	4,2	0.3			335.8	20.8	183.1	11.4
1,812,000	24.0	164.7	10.9	4.2	0.3			325.6	21.5	183.1	12.1
1,940,000	24,0	164.7	10.2	4.2	0.3			338.6	20.9	183.1	11.3
1,919,000	24.0	164.7	10.3	4.2	0.3			354.6	22.2	183.1	11.4
1,936,000	24.0	164.7	10.2	4.2	0.3			360.0	22.3	165.2	10.2
1,940,000	24.0	164.7	10.2	4.2	0.3			365.2	22,6	165.7	10.2
1,937,000	24.0	164.7	10.2	4.2	0,3			360.1	22,3	159,8	9,9
1,875,000	24.0	164.7	10.5	4.2	0.3			365,2	23.4	159.8	10.2
1,928,000	24.0	164.7	10.2	4.2	0.3			365.2	22.7	174.9	10.9
1,915,000	24.0	164.7	10.3	4.2	0.3			337.0	21.1	159.8	10.0
1,925,000	24.0	164.7	10.3	4.2	0.3			311.8	19.4	159.8	10.0
1,901,000	24.0	128.2	8.1	4.2	0.3			305.2	19.3	159.8	10.1
1,976,000	24.0	109.8	6.7	4.2	0.3			282.4	17.1	159.8	9.7
1,903,000	24.0	109.8	6.9	4.2	0.3			272.6	17.2	163.1	10.3
1,941,000	24.0	109.8	6.8	4.2	0.3			305.8	18.9	168.6	10.4
1,915,000	24.0	109.8	6.9	4.2	0.3			323.4	20.2	169.0	10.6
1,951,000	24.0	109.8	6.7	4.2	0.3			323.4	19,9	168.6	10.4
1,934,000	24.0	109.8	6.8	4.2	0.3			335.4	20.8	169.1	10,5
1,929,000	24.0	109.8	6.8	4.2	0.3			358.6	22.3	183.1	11.4
1,854,000	23.0	105.3	6.8	4.0	0.3			382.2	24.7	173.0	11,2
1,871,000	24.0	109.8	7.0	4.2	0,3			350,6	22,5	169.2	10.8
		450.0		467.7				400000		E407.5	
57,406,000 1,913,533		4524.0 150.8	9.5	125.5	0.3	#DIV/0I	#DIV/0!	336.1	21.1	173.3	10.9
	WATER TREATED GALLONS  1,938,000  1,955,000  1,874,000  1,936,000  1,906,000  1,925,000  1,798,000  1,915,000  1,933,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,940,000  1,951,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000  1,903,000	WATER TREATED OPERATED  GALLONS  1,938,000 24.0  1,955,000 24.0  1,936,000 24.0  1,996,000 24.0  1,996,000 24.0  1,995,000 24.0  1,994,000 24.0  1,915,000 24.0  1,919,000 24.0  1,919,000 24.0  1,936,000 24.0  1,940,000 24.0  1,940,000 24.0  1,940,000 24.0  1,936,000 24.0  1,937,000 24.0  1,937,000 24.0  1,937,000 24.0  1,928,000 24.0  1,928,000 24.0  1,915,000 24.0  1,928,000 24.0  1,915,000 24.0  1,925,000 24.0  1,925,000 24.0  1,925,000 24.0  1,925,000 24.0  1,925,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0  1,931,000 24.0	WATER TREATED         PLANT OPERATED         Del           GALLONS         LBS           1,938,000         24.0         192.2           1,955,000         24.0         192.2           1,936,000         24.0         192.2           1,936,000         24.0         183.0           1,925,000         24.0         164.7           1,936,000         24.0         164.7           1,939,000         22.5         154.4           1,915,000         24.0         164.7           1,933,000         24.0         164.7           1,940,000         24.0         164.7           1,936,000         24.0         164.7           1,936,000         24.0         164.7           1,936,000         24.0         164.7           1,937,000         24.0         164.7           1,937,000         24.0         164.7           1,928,000         24.0         164.7           1,928,000         24.0         164.7           1,925,000         24.0         164.7           1,931,000         24.0         164.7           1,930,000         24.0         109.8           1,934,000         24.0 <td>WATER TREATED         PLANT OPERATED         Del Pac           GALLONS         LBS         PPM           1,938,000         24.0         192.2         11.9           1,955,000         24.0         192.2         11.8           1,874,000         24.0         192.2         12.3           1,936,000         24.0         183.0         11.5           1,925,000         24.0         164.7         10.3           1,9798,000         22.5         154.4         10.3           1,915,000         24.0         164.7         10.3           1,924,000         24.0         164.7         10.3           1,933,000         24.0         164.7         10.2           1,812,000         24.0         164.7         10.2           1,940,000         24.0         164.7         10.2           1,936,000         24.0         164.7         10.2           1,937,000         24.0         164.7         10.2           1,937,000         24.0         164.7         10.2           1,875,000         24.0         164.7         10.2           1,935,000         24.0         164.7         10.3           1,925,000</td> <td>WATER TREATED         PLANT OPERATED         Del Pac         Pob           GALLONS         LBS         PPM         LBS           1,938,000         24,0         192.2         11.9         4.2           1,955,000         24,0         192.2         11.8         4.2           1,874,000         24,0         192.2         12.3         4.2           1,936,000         24,0         192.2         11.9         4.2           1,996,000         24,0         183.0         11.5         4.2           1,925,000         24,0         164.7         10.3         4.2           1,798,000         24.0         164.7         10.3         4.2           1,924,000         24.0         164.7         10.3         4.2           1,933,000         24.0         164.7         10.3         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         &lt;</td> <td>  Nater   Plant   Plant   Dai Pac   Polymer   CALLONS   LBS   PPM   LSS   PPM   LSS   PPM   LSS   PPM   LSS   PPM</td> <td>  NATER TREATED   Del Page   Polymer   Polymer   Productions   LBS   PPM   LBS</td> <td>  WATER TREATED   DELPAS   Polymer   Pre    </td> <td>  Part   /td> <td>  WATER   OPERATED   Del Page   Polymer   Del Page   PPM   L88   P</td> <td>  PLANT   PREATED   COMPACE   Previous   Pre</td>	WATER TREATED         PLANT OPERATED         Del Pac           GALLONS         LBS         PPM           1,938,000         24.0         192.2         11.9           1,955,000         24.0         192.2         11.8           1,874,000         24.0         192.2         12.3           1,936,000         24.0         183.0         11.5           1,925,000         24.0         164.7         10.3           1,9798,000         22.5         154.4         10.3           1,915,000         24.0         164.7         10.3           1,924,000         24.0         164.7         10.3           1,933,000         24.0         164.7         10.2           1,812,000         24.0         164.7         10.2           1,940,000         24.0         164.7         10.2           1,936,000         24.0         164.7         10.2           1,937,000         24.0         164.7         10.2           1,937,000         24.0         164.7         10.2           1,875,000         24.0         164.7         10.2           1,935,000         24.0         164.7         10.3           1,925,000	WATER TREATED         PLANT OPERATED         Del Pac         Pob           GALLONS         LBS         PPM         LBS           1,938,000         24,0         192.2         11.9         4.2           1,955,000         24,0         192.2         11.8         4.2           1,874,000         24,0         192.2         12.3         4.2           1,936,000         24,0         192.2         11.9         4.2           1,996,000         24,0         183.0         11.5         4.2           1,925,000         24,0         164.7         10.3         4.2           1,798,000         24.0         164.7         10.3         4.2           1,924,000         24.0         164.7         10.3         4.2           1,933,000         24.0         164.7         10.3         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         164.7         10.2         4.2           1,940,000         24.0         <	Nater   Plant   Plant   Dai Pac   Polymer   CALLONS   LBS   PPM   LSS   PPM   LSS   PPM   LSS   PPM   LSS   PPM	NATER TREATED   Del Page   Polymer   Polymer   Productions   LBS   PPM   LBS	WATER TREATED   DELPAS   Polymer   Pre	Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part	WATER   OPERATED   Del Page   Polymer   Del Page   PPM   L88   P	PLANT   PREATED   COMPACE   Previous   Pre

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273

PLANT ID:

REPORT MONTH/YEAR: 04/2016

PAGE

							EMICALS ADDE		STREET, STREET, ST.		C. Lander			
	DISINFE	CTANT	FLUO	RIDE	CARI	BON	pH ADJ	USTMENT	KM	nO ₄	CORRO		H2	02
							Po	at						
DAY	LB\$	PPM	LBS	PPM	LBS	PPM	LB8	PPM	LB\$	РРМ	LBS	PPM	LBS	РРМ
1	516.1	31.9	60,9	3.8			130.9	8.1						
2	516.8	31.8	60.9	3.7			130.9	8.0						
3	549.1	35.1	60,9	3.9			130.9	8.4						
4	521.7	32.3	60.9	3.8			130.9	B.1						
б	521.7	32.8	60.9	3.8			130.9	8.2						
6	521.7	32.5	60.9	3.8			130,9	8.2						
7	480.9	32.1	57.2	3.8			122.6	8.2						
8: 1	516.2	32.3	60.9	3.8			130,9	8.2						
9	516.8	32.2	60.9	3.8			103.6	6.5						
10	518.9	32.2	60,9	3.8										
11	508.7	33.7	60.9	4.0										
12	521.7	32.2	60,9	3.8										
13	537.7	33.6	60.9	3.8										
14	525.8	32.6	60.9	3.8										
15	530,9	32.8	60.9	3.8										
16	519.9	32.2	60.9	3.8										
17	525.0	33.6	60.9	3.9										
18	540.1	33.6	60.9	3.8										
19	496.8	31.1	60.9	3.8										
20	471.6	29.4	60.9	3,8										
21	465.0	29.3	60.9	3.8										
22	442.2	26.8	60.9	3.7										
23	435.7	27.5	60.9	3.8										
24	474.4	29.3	60.9	3.8										
25	492.4	30.8	60.9	3.8										
26	492.0	30.2	60.9	3.7										
27	504.5	31.3	60,9	3.8										
25	541.7	33.7	60.9	3.8										
29	555.2	35.9	58.4	3.8										
30	519.8	33.3	60.9	3.9										
31	45 204 2		1,820.8		0.0		1,142.5		0.0		0.0		0.0	
TOTAL	15,281.0 509.4	31.9	60.7	3.8	#DIV/0!	#DIV/01	126.9	8.0	#DIV/01	#DIV/01	#DIV/0!	#DIV/0I	#DIV/0I	#DIV/0

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

04/2016

PAGE___

OF

____11

a other		pH		TO.	ANALYTIC TAL	AL RESULTS	-	PPM UNLESS		E SPECIFIED RESIDUAL	))	Section 5	TURBIDITY	(NTU)
		TOP OF			LINITY		NESS	TOP		PLA TA			SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	6.93	6.93	7.17	25	22	37	35	0.70	0.63	1.81	1.75	9.04	0.24	0.04
2	6.97	6.96	7.23	25	22	37	36	0.67	0.59	1.70	1.64	8.40	0.21	0.04
3	6.90	6.93	7.24	24	27	46	48	0.60	0.51	1.88	1.81	7.90	0.27	0.04
4	6.91	6.99	7.22	27	25	50	48	0.60	0.50	1.66	1.61	7.01	0.25	0.05
6	6.87	6.95	7.11	25	23	37	36	0.63	0.56	1.62	1.60	6.61	0.29	0.05
6	7.02	7.06	7.32	30	28	55	50	0.61	0.54	1.73	1.68	6.45	0.34	0.05
7	7.06	7.07	7.24	27	26	50	47	0.56	0.46	1.65	1.59	6.05	0.27	0.05
8	7.13	7.13	7.26	30	32	53	50	0.62	0.51	1.70	1.63	5.60	0.28	0.05
9	7.19	7.21	7.27	50	46	65	60	0.59	0.51	1.68	1.62	5.13	0.33	0.05
10	7.20	7.22	7.15	41	40	61	60	0.57	0.49	1.74	1.70	4.60	0.28	0.05
11	7.37	7.42	7.38	45	47	78	75	0.55	0.46	1.72	1.67	3.98	0.27	0.05
12	7.44	7.52	7.40	60	58	88	87	0.63	0.52	1.79	1.73	3.30	0.23	0.05
13	7.52	7.55	7.46	70	65	88	86	0.69	0.60	1.76	1.70	3.08	0.23	0.06
14	7.59	7.60	7.48	75	68	96	94	0.72	0.62	1.77	1.70	2.83	0.24	0.05
15	7.59	7.62	7.52	68	66	110	107	0.71	0.62	1.78	1.72	2.63	0.28	0.06
16	7.58	7.61	7.49	70	67	100	98	0.75	0.66	1.78	1.71	2.42	0.21	0.07
17	7.60	7.60	7.48	71	70	110	116	0.71	0.61	1.82	1.76	2,19	0.19	0.06
18	7.61	7.63	7.51	75	73	115	110	0.68	0.58	1.75	1.69	1.97	0.26	0.06
19	7.64	7.68	7.56	78	76	117	115	0.90	0.80	1.88	1.81	1.97	0.27	0.06
20	7.64	7.70	7.56	78	76	118	115	0.85	0.73	1.81	1.74	1.87	0.27	0.07
21	7.65	7.70	7.58	83	80	122	120	0.81	0.69	1.82	1.73	1.77	0.23	0.07
22	7.65	7.70	7.56	80	76	116	114	0.74	0.62	1.82	1.71	1.69	0,23	0.06
23	7.67	7.69	7.58	80	78	118	115	0.68	0.56	1.74	1.66	1.71	0.20	0.06
24	7.59	7.65	7.52	79	77	127	125	0.63	0.52	1.71	1.62	1.73	0.23	0.06
25	7.61	7.68	7.56	80	78	125	122	0.72	0.59	1.75	1.66	1.68	0.23	0.06
25	7.61	7.66	7.55	84	80	135	132	0.65	0.54	1.72	1.64	1.67	0.23	0.06
27	7.61	7.66	7.55	85	80	125	121	0.69	0.59	1.75	1.65	1.75	0.27	0.06
28	7.59	7.67	7.55	88	85	125	121	0.72	0.61	1.77	1.68	1.69	0.22	0.06
29	7.57	7.67	7.53	83	81	125	120	0.78	0.65	1.83	1,73	1.71	0.24	0.06
30	7.57	7.65	7.53	82	80	123	120	0.68	0.56	1.68	1.57	1.75	0.22	0,06
31 VERAGE	7.4	7.4	7.4	61	58	92	89	0.68	0.58	1.75	1.68	3.67	0.25	0.06

#### OPTIONAL INFORMATION-Surface Water Plants Only

KENTUCKY DIVISION OF WATER DRINKING WATER BRANCH

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

KY0800273 PWS ID:

PLANT ID:

AGENCY INTEREST: 2987 REPORT MONTH/YEAR:

04/2016

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA COPY PAGE AS NEEDED

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Trail To	RAW		SEDIM	ENTATION	BASIN EFFL		ALYTICAL	LOOL IS I		INDIVIDUA	L FILTER E	FFLUENT			CFE
	DAILY	- 10	40	DAILY M			#6	#1	#2	#3	ILY MAXIMU	JM #5	#6	#7	DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#4						
1	9.04		0.31	0.60						0.05	0.04	0.04	0.05		0.04
2	8.40		0.20	0.37						0.04	0.04	0.04	0.03		0.04
3	7.90		0.19	0.69						0.04	0.04	0.04	0.02		0.04
4	7.01		0.20	0.57						0.06	0.05	0.04	0.02		0.06
5	6.61		0.25	0.83						0.05	0.04	0.05	0.05		0,0
6	6.45		0.29	0.88						0.05	0.04	0.04	0.07		0.0
7	6.05		0.25	0.48						0.06	0.05	0.04	0.03		0.0
8	5.60		0.26	0.70						0.06	0.05	0.04	0.03		0.0
g	5.13		0.23	0.58						0.05	0.05	0.06	0.06		0.0
10	4.60		0.22	0.66						0.06	0.05	0.05	0.07		0.0
11	3.98		0.29	0.53						0.06	0.05	0.05	0.04		0.0
12	3.30		0.25	0.31						0.07	0.06	0.05	0.04		0.0
13	3.08		0.23	0.31						0.06	0.05	0.07	0.07		0.0
14	2.83		0.29	0.41						0.06	0.05	0.06	0.07		0.0
15	2.63		0.30	0.44						0.07	0.06	0.05	0.06		0.0
16	2.42		0.18	0.33						0.06	0.06	0.05	0.08		0.0
17	2.19		0.15	0.32						0.06	0.05	0.05	0.09		0.0
18	1.97		0.24	0.44						0.06	0.05	0.07	0.10		0.0
19	1.97		0.25	0.58						0.07	0.07	0.05	0.08		0.0
20	1.87		0.21	0.57						0.07	0.07	0.05	0.08		0.0
21	1.77		0.18	0.42						0.06	0.06	0.07	0.09		0.0
22	1.69		0.24	0.41						0.06	0.06	0.06	0.05		0.0
23	1.71		0.20	0.38						0.07	0.07	0.06	0.05		0.0
24	1,73		0.18	0.40						0.07	0.06	0.06	0.05		0.0
25	1.68		0.22	0.50						0.06	0.06	0.07	0.09		0.0
26	1.67		0.23	0.40						0.06	0.06	0.06	0.06		0.0
	1.75		0,32	0.42						0.09	0.09	0.06	0.05		0.0
27			0.21	0.42						0.07	0.07	0.06	0.04		0.0
28	1.69									0.07	0.06	0.08	0.19		0.0
29	1.71		0.30	0.34						0.07	0.06	0.07	0.06		0.0
30	1.75		0.27	0.38						0.07	0.00	0.07	0.00		0.0
51 ERAG	3.7	#DIV/0!	0.2	0	#DIV//01	#DIV//01	#DIV/0!	#DIV/01	#DIV/0!	0.06	0.06	0.05	0.06	#DIV/0!	0.0

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: PLANT ID:

KY0800273 A

11

REPORT MONTH/YEAR:

04/2016

APPLICABLE TO ALL PLANTS

*Please answer Y/N question below this chart.

PAGE

OF

	FLUC	ORIDE		INALYTICAL R		OR PPM UNI NGANESE	ESS OTHERW	SE SPECIFIED	Lowest Dally Chlorine Residual Plant Tap	RAINFALL	WATER TEMP.
									On-Line Chlorine Analyzer		DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
1	0.06	0.69	0.22	0.00	0.05	0.01			1.55	0.1	11.2
2	0.05	0.65	0.21	0.05	0.05	0.00			1.50	0.0	11.4
3	0.14	0.74	0.30	0.00	0.05	0,00			1.50	0.0	10.6
4	0.10	0.69	0.19	0.03	0.04	0.00			1.60	0.0	11.6
5	0.16	0.69	0.21	0.02	0.04	0.00			1.60	0.0	11.5
- 6	0.10	0.71	0.19	0.02	0.05	0.00			1.60	0.0	11.4
7	0.12	0.68	0.17	0.05	0.06	0.01			1.50	0.1	11.7
8	0.18	0.72	0.21	0.02	0.04	0.02			1.60	0.1	12.1
9	0.20	0.75	0.16	0.00	0.05	0.00			1.45	0.1	12.1
10	0.12	0.65	0.18	0.04	0.04	0.01			1.55	0.0	11.9
11	0.11	0.83	0.16	0.00	0.04	0.01			1.60	0.0	12.2
12	0.22	0.83	0.13	0.00	0.04	0.00			1.60	0.1	13.0
13	0.16	0.73	0.16	0.02	0.04	0.01			1.60	0.0	13.2
14	0.20	0.70	0.15	0.04	0.04	0.02			1.55	0.0	13.2
15	0.27	0.76	0.16	0.06	0.05	0.01			1.50	0.0	13.6
16	0.21	0.81	0.15	0.02	0.04	0.01			1.55	0.0	14.0
17	0.19	0.69	0.10	0.04	0.04	0.02			1.60	0.0	13.9
18	0.22	0.80	0.14	0.03	0.04	0.02			1.60	0.0	14.2
19	0.22	0.77	0.11	0.02	0.03	0.01			1.50	0.0	14.7
20	0.25	0.78	0.13	0.00	0.04	0.01			1.60	0.0	15.1
21	0.16	0.74	0.13	0.03	0.04	0.02			1.50	0.0	15.2
22	0.16	0.66	0.12	0.03	0.04	0.01			1.50	0.0	15.5
23	0.20	0.87	0.11	0.02	0.04	0.02			1.50	0.3	15.5
24	0.15	0.78	0.13	0.07	0.04	0.01			1.50	0.0	15.4
25	0.19	0.75	0.12	0.02	0.03	0.01			1.55	0.0	15.6
26	0.19	0.86	0.13	0.03	0.04	0.01			1.55	0.0	15.8
27	0.25	1.00	0,11	0.04	0.03	0.01			1.50	0.8	16.3
28	0.29	0.83	0.11	0.02	0.03	0.01			1.50	0.4	16.7
29	0.18	0.80	0.12	0.02	0.04	0.01			1.50	0.2	16.8
30	0.23	0.82	0.11	0.04	0.03	0.03			1.45	0.0	17.0
31										PAVE	
AVERAGE	0.18	0.76	0.15	0.03	0.04	0.01	#DIV/01	#DIV/01	Monthly Minimum	Rainfall	13.7
			***	•					1.45		
								of readings	30	2.25	

Disinfectant Chloramines? (Y/N)

For Free Chlorine, # less than 0.2 mg/L For Chloramines, # less than 0.5 mg/L

#### APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 04/2015

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								PAGE	6	OF	11
						FILTER OPER	-	No.	6	No:	
	TOTAL WASH WATER	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	160	No: AREA (square feet)	160	NO: AREA (square feet)	
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HR8	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HR9	WASHWATER GALLONS	FILT RUN HRS
1	0										
2	0										
3	33,000	16,000	123.40	17,000	123.40						
4	0										
6	32,000					16000,00	125.90	16,000	125.90		
6	0										
7	30,000	15,000	89.80	15,000	89.80						
. 8	0										
9	30,000					15,000	90.30	15,000	90.30		
10	0										
11	30,000	15,000	97.90	15,000	97.90						
12	0										
13	31,000					16,000	97.80	15,000	97.80		
14	0										
15	30,000	15,000	91.40	15,000	91.40						
16	0										
17	31,000					15,000	99.40	16,000	99.50		<u> </u>
18	0										
19	0										
20	0										
21	32,000					16,000	90.80	16,000	90.80		
22	0										
23	31,000	16,000	91.50	15,000	91.50						-
24	0				-						
25	30,000					15,000	95.10	15,000	95.10		
26	0										
27	32,000	16,000	99.10	16,000	99.10						
28	0										
29	32,000					16,000	97.60	16,000	97.60		
30	0										
31	0										
TOTAL	404,000	93,000	593.10	93,000	593.10	109,000	696.90	109,000	697.00	0	0.00
AVERAGE	13,032	15,500	98.850	15,500	98.850	15,571	99.557	15,571	99.571	#DIV/0I	#DIV/01

COPY AS NEEDED

ALL WATER SYSTEMS

PWS ID: KY0800273
PLANT ID: A

OF

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REPORT MONTH/YEAR: 04/2016

PAGE

DISTRIBUTION SYSTEM OPERATION CHEMICALS ADDED TEST RESULTS CHLORINE TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm) WEST BOOSTER BOOSTER NORTH BOUTH EAST LBS LBB T DAY 1.25 0.55 1,50 1.46 1.30 1.26 1,28 0.63 1,50 1.42 1.60 1.54 1.62 1.51 2 1.51 1.43 1.29 1.22 1.47 1.36 1.29 1.22 1.54 1.47 3 1.24 1.16 1.14 1.26 1.24 0.49 0.40 4 1.31 1.39 1.42 1.38 1.09 1.06 1.40 1.37 1.34 5 1,32 1.36 1.43 1.37 1.41 1.39 1.52 1.44 ō. 1.25 1.22 1.25 1.19 0.89 0.81 1.27 1.26 7 1.25 1.41 1.36 1.27 1.16 1.11 1.02 1.28 8 1.04 1.16 1.35 1.47 1.27 1.36 9 1.19 1.23 1.25 1.17 1.39 1.33 1.31 1.19 1.10 1.39 10 1.10 1.28 1.23 11 1.28 1.19 0.98 0.96 1:08 1.31 0.44 0.38 1,34 1.43 1.40 1.51 1.36 12 1,26 1.20 1.14 1.08 1,20 1.15 1.18 1.11 1.39 1.33 1.35 1.31 1.29 1.26 1.16 1.16 14 1.42 1.35 1.59 1.51 15 1.38 1.34 0.73 0,66 1.09 1.04 1.22 1:14 1.20 1.10 16 1.36 1.22 1.46 0.64 1.51 1.54 1.42 1.35 0.75 1.59 17 0.92 1.51 1.43 1.40 1.35 1.00 0.34 0.29 18 0.51 19 1,19 1.08 1.35 1.28 1.75 1.62 0.44 1.26 1.15 1.11 1.01 0.54 0.44 1.29 1.22 20 1.02 1.40 1.37 1.48 1.43 1.43 1.30 1.11 1.08 0.09 0.91 1.10 1.15 22 1.23 1.13 1.15 1.23 1,28 1.19 1.36 1.46 1.39 1.33 1.65 1.36 1.26 1.26 1.15 1.17 1.06 1.48 1.35 24 0.39 1.03 0.92 0.97 1.38 1.34 0.46 1.06 25 0.67 1.49 1.41 1.05 0.91 1.20 1.10 0.75 26 0,75 0,62 1.03 0.97 0.72 0.61 1.16 27 1.06 1.41 1,32 28 1.07 0.95 0.64 0.52 1.04 1.00 1.44 1,38 1,40 1.37 29 1.34 1.27 1.51 1.48 1.27 1.19 1.34 1.22 0.88 0.76 1.21 1.16 30 31 #DIV/01 1.22 1.15 1.19 1.12 1.22 1.15 1.27 1,21 #DIV/0! AVERAGE Average Total Minim 0.34 0.49 0.44 0.51 0.0 0.0 Free

0.29

30

30

Total # Chlorine Samples

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)
Number of days of operation?

30

0.38

30

0.40

30

30



30

0.44

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

						PWS ID :	KY080	0273	
	TURBIDITY	REPORT			201	PLANT ID:	А	\	
	APPLICA	BLE TO ALL PLA	00-411-0-10-10-10-0-	The second second	Report Period	(MM/YYYY):	04/2	016	PAGE:
PWS N		1	County Water	District					8 OF <u>11</u>
DAY	Hours Plant Operated	# of Turbidity Samples Required*	Mid - 4 am	4 am - 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	8 pm - Mid	Dally Maximum
1	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
2	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.038
3	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.039
4	24.0	6	0.05	0.04	0.04	0.04	0.04	0.06	0.061
5	24.0	6	0.04	0.05	0.05	0.05	0.05	0.05	0.050
6	24.0	6	0.04	0.04	0.04	0.04	0.04	0.04	0.044
7	22.5	6	0.04	0.04	0.04	0.04	0.04	0.04	0.043
8	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.047
9	24.0	6	0.05	0.05	0.05	0.07	0.05	0.05	0.074
10	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
11	24.0	6	0.05	0.05	0.05	0.05	0.05	0.05	0.052
12	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.059
-13	24.0	6	0.06	0.06	0.05	0.05	0.06	0.06	0.060
14	24.0	6	0.06	0.06	0.05	0.05	0.05	0.05	0.056
16	24.0	6	0.05	0.05	0.05	0.05	0.04	0.07	0.065
16	24.0	6	0.07	0.07	0.07	0.05	0.05	0.06	0.069
17	24.0	6	0.07	0.05	0.07	0.05	0.05	0.06	0.068
ta.	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.072
19	24.0	6	0.07	0.07	0.07	0.06	0.06	0.07	0.072
20	24.0	6	0.08	0.08	0.08	0.06	0.06	0.07	0.080
21	24.0	6	0.08	0.08	0.07	0.06	0.07	0.07	0.077
22	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.062
23	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.064
24	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.063
25	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.067
26	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.064
27	24.0	6	0.06	0.06	0.05	0.04	0.05	0.06	0.061
28	24.0	6	0.06	0.05	0.05	0.04	0.04	0.06	0.063
29	23.0	6	0.06	0.06	0.06	0.05	0.07	0.07	0.071
30	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.067
31	0.0	0							0.000
Total	717.5	180			тот	AL # OF TURBIDITY	SAMPLES TAKEN	180	0.080
ARE Y	OU USING EITH	HER CONVENTIONA	L or DIRECT FI	LTRATION? (Y/N	) Y		·•		
	ber of samples		0.1 NTL	0	0.3 NTU	0	1 NTU	0	_
		litration, the numbe			 1 NTU		5 NTU		
*NOTE	E: The "Number	r of Turbidity Sample	es Required" is	the number of h	ours the plant oper	ated divided by 4	rounded		
•	the next whole i								
l certi	ify that the abo	ve turbidity reading	gs were taken	every 4 hours	during plant opera	ition and in the		d above.	
	Signature of Prin	ncipal Executive Offic	er or Authorized	Agent				ite	•

For Trigger D.:

	Al	PPLICABLE TO ALL	SURFACE WATER	PLANTS WITH FILTRATION	推加的基础是可
INDIVIDUAL FIL	TER TURBIDITY E	XCEEDANCE REP	ORT		
PWS Name:	Ma	rtin County Water Dis	trict	-	
PWS ID:		00273	60		
PLANT ID:		A 04/3	2016	-	
Report Period (MM/Y)	•			-	
	eded any one of th				
(also listed on the appropriate	ne Summary Shee	t ), complete the to	ollowing and sub	omit	PAGE 9 OF
		Turbidity Reading	Trigger Level (see		Date and Time State was Contacted
Date	Filter Number	(NTU)	below)	Reason for Exceedance (if known)	State was contactor
B. Any one filter in at the end of the C. Any one filter in at any time in at any time in at any time in at any time in at any time in at any time in a	nas a measured turble e first 4 hours of open nas a measured turble each of 3 consecutive	ldity level of greater eration following a b idity level of greater e months. Idity level of greater	than 0.5 NTU in 2 c ackwash or return t than 1.0 NTU in 2 c	onsecutive measurements taken 15 mir onsecutive measurements taken 15 mir to service. onsecutive measurements taken 15 mir onsecutive measurements taken 15 mir	nutes apart
Report Required: For Trigger A.:			, the date of exceeds	ance and filter profile within 7 days of the e	exceedance, if no
For Trigger B.:	obvious reason for the filter number, the too obvious reason for the filter is the filter obvious reason for the filter is the filter obvious reason for the filter is the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious reason for the filter obvious	urbidity measurement	, the date of exceeds	ance and filter profile within 7 days of the e	exceedance, If no
For Trigger C.:	Filler number, the to exceedance	urbidity measurement	, the date of exceeda	ance and a filter self-assessment within 14	days of the

Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING PERIOD (MMYYYY)	04/2016	<u>;</u>
		NOTE: COMPLE	TE ALL	APPLICABLE FIELDSIII NOT ALL OF THE	FIELDS ARE	PRE-
		D)	ANT INE	POPULATED FOR YOU!!! ORMATION		
	THE PERSON NAMED IN COLUMN			O ALL PLANTS	Sea Supersupplied	STANDARD STANDARD
PLANT ID A			ТО	TAL WATER TREATED (gallons) 57	,401,000	
PLANT NAME	Martin County W	Vater District	-		,913,367	
AGENCY INTER	REST		MA	XIMUM PUMPAGE (gallons per day)1	,976,000	
		INDIVIDUAL I	- Water	PER WORLT INDUNITY	A 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO	
	Remember 2000 A Vince Not the last			FFLUENT TURBIDITY ANTS WITH FILTRATION		DESCRIPTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE
ANALYTE CODE	0100					
Was each filter n	nonitored continuously? (Y	(/N)				Y
	ents recorded every 15 m	1				Y
	are of the continuous moni			thad away four hours of anaration? (VIN)		. N
	ras the continuously monitor			cted every four hours of operation? (Y/N)		. 4
	Iter level greater than 1.0 I					N
				urements after on line for more than four hours? (	Y/N)	N
				surements in three consecutive months? (Y/N)		N
	<del>-</del>			surements in two consecutive months? (Y/N)		N
			ter Turbi	dity Sheet and submit with the MOR		
	BINED FILTER EFFLUE			ENTRY POINT RESIDUAL DISINFECTANT ( APPLICABLE TO ALL PLAN		TOM
	- 0400			ANALYTE CODE 0999		
ANALYTE CODE	e of plant operation		717.5	ANALYTE CODE 0999  Number of days of plant operation		30
	aken every 4 hours of plan	t operation? (Y/N)	Y	Were samples taken each day of operation? (Y/I	N)	Y
Number of samp	les taken		180	Number of lowest chlorine samples recorded		30
Highest single tu	*****		0.08	Lowest single chlorine reading		1.45
	except slow sand filtration: amples exceeded 0.1 NTU	ı	0	If less than required: Was residual restored within 4 hours of plant ope	ration2 (V/N)	190
	amples exceeded 0.7 NTU		0	Free Chlorine (for all disinfectants except chloron		
	amples exceeded 1 NTU		0	Number of samples under 0.2 mg/L		0
	s slow sand filtration:			Total Chlorine (when disinfectant is Chloramine):		
	amples exceeded 1 NTU amples exceeded 5 NTU	***************************************		Number of samples under 0.5 mg/L		_
Number of Sa	amples exceeded 5 N TO		_			
	INE DIOXIDE ENTRY PO			CHLORITE ENTRY POINT MONI APPLICABLE TO PLANTS UTILIZING CHL		DE
		3 CHEORINE DIOX	DE		-ORINE DIOXI	<i>-</i>
ANALYTE CODI	of plant operation		30	ANALYTE CODE 1009  Number of days of plant operation		30
	aken each day of operation	n? (Y/N)		Were samples taken each day of operation? (Y/	N)	
Number of samp	oles taken		0	Number of samples taken		0
	hlorine dioxide reading	ded 0.0 er = "	0.00	Highest single chlorite reading		0.00
Number of chlori	ine dioxide samples excee	aded U.8 mg/L	0	Number of chlorite samples exceeded 1 mg/L		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224,99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

05/04/2016 Date

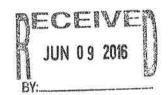
### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			M	ONITORING PERIC	DD (MMYYYY)	04/2016
Al 298	7	NOTE: COMPI	LETE ALL				FIELDS ARE PRE-
			TPATSHOWN IN	POPL	ILATED FOR YO		
The part of the same	PURCHASE		RI E TO ALL	L WATER SY	STEMS	SOLD	Million Company Com
FROM WHO	OM? (PWS ID)	HOW MUCH? (gallo			HOM? (PWS ID)	HOW MU	JCH? (gallons)
WV3303003			18,597	105-335			
KY0980575			0	N			
1(10000070			<del></del>	( <del></del>			
21-				13			
						-	
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		ISTRIBUTION RES					
ANALY/TE 000	E 0999	APPLICA	BLE TO AL	L WATER SY	rstems		
ANALYTE COD	_		30	Free Chlorin	ne (for all disinfectar	nts except chloran	nine)
Number of days	aken each day of operat	ion? (Y/N)	Y		of samples under 0	2 mg/l	0
Number of samp		10111 (1714)	1		ne (when disinfectar	,	
l cocc			120		of samples under 0	.5 ma/L	
TOTAL			120			.,	
10000	REE chlorine reading		0.29				
	OTAL chlorine reading	***************	0.34				

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Principal Executive Officer or Authorized Agent

05/04/2016



#### KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

Revised 01/04/07

### MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTH	1 & YEAR (mm/yyyy) 05/20	16	Indicate one with "X"	X	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID :		TID: A			Martin County Water District
PW\$ NAME:	Martin County Water District		PLANT CLASS:		DIST. CLASS: 2
AGENCY INTEREST (AI):	2987		DATE MAILED:		
SOURCE NAME:	Crum Reservoir		COUNTY:		Wartin
:	Tug Fork  OPERATOR(S) RESPONSIBLE / IN-CHA	ARGE	CLASS		CERTIFICATION NUMBER
WTP SHIFT 1:	Earl T Alley		1V-A		17562
WTP SHIFT 2:	Michael Sartin		1V-A		21944
WTP SHIFT 3:	Timothy D Reed / Elbert Osborne		1V-A / 11-A	-7	24590 / 27800
DISTRIBUTION:				-	
THIS REP	ORT MUST BE RECEIVED BY THE D				
	NO LATER THAN 10 DAYS	SAFTER	THE END OF T	HE	MONTH.
TREATMENT PLANTS (	COMPLETE:				
1. DESIGN CAPACITY (gpm):	<u> </u>	1,667		-	
2. TYPE OF FILTRATION USE	D:	Dual Me	dia	-	
3. DESIGN FILTRATION RATE	(gpm/sq. ft.):	2.66		÷	
4. PERCENT BACKWASH WA	TER USED:	0.8		-	
6. DATE FLOCCULATION BAS	SIN(S) LAST CLEANED: #2 - 3	/18/10 #	3 - 9/2/ 09		
6. DATE SETTLING BASIN(S)	LAST CLEANED:			-: -: -:	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both). 06/08/2016 DATE

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 05/2016
PAGE 1 OF 11

	- Control Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the 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Carried Section	DETERMINATION OF
7	RAW WATER	PLANT	pH ADJU	STMENT	DISINFE	CTANT	DISINFE	CTANT				
	TREATED	OPERATED	Del			ymer	Pr		Pre		Po	st PPM
DAY	GALLONS		LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LBS	
1	1,944,000	24.0	109.8	6,8	4.2	0.3			350.6	21.6	169,2	10.4
2	1,936,000	24.0	146.6	9.1	4.2	0.3			396.4	24.6	172.1	10.7
3	1,540,000	24.0	224.2	17.5	4.2	0.3			326.2	25.4	164.4	12.8
.4	1,485,000	24.0	257.4	20.8	4.2	0.3			343.3	27.7	162.1	13.1
5	1,650,000	24.0	257.4	18.7	4.2	0.3			409.3	29.7	148.9	10.8
ij.	1,893,000	24.0	257.4	16.3	4.2	0,3			484.6	30.7	173.4	11.0
7.	1,904,000	24.0	257.4	16.2	4.2	0.3			502.0	31.6	176.6	11.1
8	1,919,000	23.0	246.8	15.4	4.0	0.2			428.0	26.7	162.2	10.1
1.9	1,821,000	23.0	246.8	16.3	4.0	0.3			449,0	29.6	162.2	10.7
rio.	1,929,000	24.0	257.4	16.0	4.2	0.3			513.4	31.9	169.3	10.5
11	1,915,000	24.0	257.4	16.1	1.2	0.1			494.0	30.9	166.2	10.4
12	1,920,000	24.0	257.4	16,1					494.0	30.9	166.2	10.4
13	1,899,000	24.0	257.4	16,3					494.0	31.2	166.2	10.5
14	1,981,000	24.0	257.4	15.6					458.8	27.8	159.8	9.7
		1		16.0					475.8	29.5	159.8	9.9
16	1,933,000	24.0	257.4						508.4	32.0	189.1	11.9
16.	1,907,000	24.0	257.4	16.2					452.2	28.7	165.2	10.5
17/	1,890,000	24.0	257.4	16.3					414.4	28.0	152.0	10.3
18	1,774,000	22.0	236.1	16.0							183.1	11.3
19	1,937,000	24.0	257.4	15.9	-				548.5	34.0		
20	1,908,000	24.0	257.4	16.2	2.3	0.1			552.5	34.7	183.2	11.5
21	1,910,000	24.0	257.4	16.2	2,3	0.1	-		552,7	34.7	173.3	10.9
22	1,984,000	24.0	257.4	15.6	2,3	0.1			538.0	32.5	169.2	10.2
25	1,940,000	24.0	257.4	15.9	2.3	0.1			590.4	36.5	191.2	11.8
24	1,957,000	24.0	257.4	15.8	2.3	0.1	-		596.3	36.5	191.9	11.8
25	1,934,000	24.0	257.4	16.0	2.3	0.1			619.4	38,4	183.1	11.4
26	1,942,000	24.0	257.4	15.9	2.3	0.1	-		569.3	35.2	173.4	10.7
27	1,985,000	24.0	257.4	15.5	2.3	0.1			607.7	36.7	183.1	11.1
20	1,968,000	24.0	257.4	15.7	2.3	0.1			607.5	37.0	159.8	9.7
-29	1,947,000	24.0	257.4	15.9	2.3	0.1			581.4	35.8	183.1	11.3
30	1,989,000	24.0	257.4	15.5	2,3	0,1			590.5	35.6	183.1	11.0
81	1,922,000	24.0	257.4	16.1	2.3	0.1			603.9	37.7	183.1	11.4
TOTAL	58,563,000		7645.3		70.4		0.0		15552.5		5325.5	
AVERAGE	1,889,129		246.6	15.7	3.1	0.2	#DIV/0!	#DIV/01	501.7	31.7	171.8	10.9

APPLICABLE TO ALL PLANTS
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PWS ID :	KY0800273
PLANT ID:	Α

REPORT MONTH/YEAR: 05/2016

							EMICALS ADDE			The State of	Card Evilores	Almana - T	(1) (ES. (1)	0.0
	DISINFE	CTANT	FLUO	RIDE	CARE	ION	pH ADJ	USTMENT	KMnO₄		CORROSION		H2	U2
		15					Po	st						
Y	LBS	PPM	LBS	PPM	LBS	PPM	LBS	РРМ	LBS	PPM	LBS	PPM	LB8	PPM
500	519.8	32.1	60.9	3.8										
	568.5	35.2	60.9	3.8										
	490.6	38.2	40.6	3.2										
	505.4	40.8	40.6	3,3										
	558.2	40.6	40.6	3.0									5519	
	658.0	41.7	60.9	3.9										
	678.6	42.7	60.9	3.8										
	590.2	36.9	58.4	3,6										
	611.2	40.2	58.4	3.8										
	682.7	42.4	60.9	3.8										
	660.2	41.3	60.9	3,8										
	860,2	41.2	60.9	3.8										
	660.2	41.7	60.9	3.8										
	618.6	37,4	60,9	3.7										
112	635.6	39.4	60.9	3.8										
	697.6	43.9	60,9	3.8	126.9	8,0	69.5	4.4						
	617.4	39.2	60.9	3.9	126.9	8.1	69.5	4.4						
1	566.4	38.3	55.9	3.8	116.4	7.9	63.8	4.3						
	731.6	45.3	60.9	3.8	126.9	7.9	49.3	3.1						
0	735.7	46.2	60.9	3.8	126.9	8.0								
	726.0	45.6	60.9	3.8	126.9	8.0								
	707.2	42.7	60.9	3:7	126.9	7.7								
3	781.6	48.3	60.9	3.8	126,9	7.8								
4	788.2	48.3	60.9	3.7	126.9	7.8								
5	802.5	49.8	60,9	3.8	126.9	7.9								
	742.7	45.9	60.9	3.8	126.9	7.8								
	790.8	47.8	60.9	3.7	126.9	7.7								
	767.3	46.7	60.9	3.7	128.9	7.7						<u> </u>		
91.5	764.5	47.1	60.9	3.8	126.9	7.8								
96 3	773.6	46.6	60.9	3.7	126.9	7.6								
	787.0	49.1	60.9	3.8	126,9	7.9								
TAL	20,878.0		1,817.0		2,019.9		252.1		0.0		0.0		0.0	
RAGE	673.5	42.7	58.6	3.7	126.2	7.8	63.0	4.0	#DIV/0!	#DIV/0I	#DIV/01	#DIV/0I	#DIV/01	#DIV/

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID: KY0800273
PLANT ID: A

OF

REPORT MONTH/YEAR:

05/2016

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( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	ANALYTIGAL RESÚLTS (MIL) OR PAM UNLESS OTHERWISE SPECIFIED)  PH TOTAL TOTAL CHLORINE RESIDUAL								<b>3</b>	TURBIDITY (NTU)				
	19	TOP OF			LINITY		NESS	TOP FIL	OF	PLA			SETTLED	PLANT
DAY	RAW	FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	FREE	TOTAL	FREE	RAW	WATER	TAP
1	7.60	7.60	7.48	79	83	125	126	0.58	0.47	1.68	1.58	2.01	0.31	0.06
	7.49	7.58	7.48	78	75	120	118	0.61	0.50	1.73	1.65	20.20	0.39	0.07
	7.48	7.51	7.42	78	75	120	118	0.60	0.49	1.77	1.70	26.60	0.37	0.09
	7.40	7.44	7.39	78	75	115	112	0.60	0.48	1.80	1.70	26.90	0.43	0.07
8	7.42	7.42	7,37	78	75	112	108	0.81	0.68	1,90	1.80	27.60	0.64	0.06
6.	7.38	7.40	7.31	72	70	98	97	0.73	0.61	1.79	1.69	27.80	0.49	0.08
7	7.36	7.37	7.27	65	65	88	85	0.81	0.70	1.86	1.76	23.00	0.57	0.06
.8	7.29	7.29	7,19	55	61	91	85	0.81	0.68	1.78	1.65	20.50	0.36	0.06
ŝ	7.20	7.24	7.14	52	55	98	94	0.74	0.62	1.82	1.70	16.40	0.32	0.06
10	7.08	7.12	7.05	53	50	85	91	0.81	0.71	1.88	1.76	14.10	0.23	0.06
11.	7.06	7.13	7.06	48	46	77	80	0.77	0.67	1.79	1.71	12.20	0.29	0.06
12	7.07	7.11	7.12	50	45	78	75	0.73	0.59	1.65	1.59	11.10	0.38	0.06
.40	7.06	7.14	7.22	45	49	70	68	0.84	0.75	1.74	1.68	10.30	0.30	0.06
14	7.05	7.14	7.19	50	53	70	68	0.82	0.72	1.65	1.59	9.71	0.46	0.05
15	7.00	7.11	7.17	42	46	75	72	0.68	0.57	1.64	1.56	8.80	0.42	0.05
-Į6	7.01	7.12	7.20	46	50	80	78	0.74	0.63	1.67	1.58	8.40	0.59	0.07
:16	7.00	7.08	7.13	48	52	75	70	0.73	0.62	1.67	1.60	8.40	0.54	0.06
18	7.10	7.17	7.24	50	54	72	75	0.65	0.56	1.67	1.60	7.97	0.32	0.05
19	7.26	7.35	7.37	64	62	98	95	0.57	0.47	1.78	1.67	6.65	0.36	0.05
20	7.28	7.32	7.24	67	60	95	92	0.66	0.53	1.82	1.74	6.03	0.34	0.05
(24)	7.22	7.33	7.23	73	71	100	95	0.68	0.59	1.75	1.66	5,78	0.30	0.06
22.	7.25	7.32	7.24	58	65	91	93	0.57	0.44	1.71	1.62	5.53	0.27	0.05
23	7.22	7.28	7.22	63	66	97	95	0.61	0.49	1.76	1.69	5.32	0.31	0.06
241	7.20	7.28	7.20	63	58	98	95	0.61	0.49	1.81	1.69	5.04	0.31	0.06
26	7.25	7.28	7.19	58	56	90	88	0.64	0.51	1.82	1.73	5.15	0.30	0.05
26	7.16	7.29	7.20	60	57	96	99	1.04	0.92	1.90	1.76	5.00	1.11	0.06
i.	7.21	7,23	7.14	60	56	95	92	0.68	0.55	1.85	1.78	5.21	0.32	0.05
628	7.11	7.20	7.10	60	63	92	94	0.73	0.61	1.84	1.73	5.07	0.27	0.06
- (28) <b>2</b> 9	7.12	7.16	7.07	56	57	92	96	0.63	0.49	1.62	1.55	5.12	0.25	0.05
JI)	7.05	7.17	7.07	60	58	96	93	0.63	0.51	1.78	1.68	4.98	0.31	0.06
	7.05	7.14	7.06	63	60	95	94	0.72	0.60	1.91	1.81	5.00	0.29	0.06
AVERAGE	7.2	7.3	7.2	60	60	93	92	0.70	0.59	1.77	1.68	11.35	0.39	0.06

#### OPTIONAL INFORMATION Surface Water Plants Only

KENTUCKY DIVISION OF WATER

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

DRINKING WATER BRANCH

PLANT ID: Α AGENCY INTEREST: 2987 REPORT MONTH/YEAR: 05/2016

PWS ID: KY0800273

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

COPY PAGE AS NEEDED

PAGE 4 OF

		177	AP THE ME				ALYTICALI	ESULTS IN	ru)		L FILTER E		100		CFE
	RAW DAILY		SEDIM	ENTATION DAILY M	BASIN EFFL AXIMUM	LUENT	- 1				ILY MAXIM				DAILY
DAY	MAXIMUM	#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	MAXIMUM
_4	2.01		0.57	0.64						0.07	0.07	0.06	0.05		0.07
2	20.20		0.44	0.45						0.11	0.12	0.07	0.09		0.09
3, 7	26.60		0.53	0.72						0.09	0.09	0.07	0.11		0.10
i are	26.90		0.25	1.32						0.07	0.07	0.09			0.08
	27.60		0.29	1.10						0.07	0.06	0.08			0.07
6	27.80		0.27	0.98						0.07	0.06	0.09	0.50		0.10
1	23.00		0.48	1.27						0.09	0.09	0.08	0.06		0.07
- 8	20.50		0.24	1.08						0.07	0.06	0.06	0.04		0.06
9	16.40		0.19	0.90						0.07	0.06	0.05	0.04		0.06
10	14.10		0.19	0.45						0.06	0.05	0.07	0.08		0.06
11	12.20		0.35	0.72						0.08	0.08	0,05	0.04		0.06
12	11.10		0.20	0,71						0.06	0.06	0.05	0.03		0.05
10	10.30		0.33	0.80						0.06	0.06	0.07	0.10		0.06
161	9.71		0.21	1.81						0.05	0.05	0.05	0.03		0.05
16	8.80		0.20	1.20						0.05	0.05	0.05	0.03		0.05
100	8.40		0.56	1.90						0.08	0.08	0.05	0.03		0.06
17	8.40		0.55	1.18						0.06	0.06	0.07	0.08		0.07
18	7.97		0.24	0.96						0.06	0.05	0.05	0.03		0.06
. 19	6.65		0.23	0.83						0.08	0.08	0.05	0.03		0.07
ė	6.03		0.26	0.72						0.07	0.07	0.05	0.04		0.07
1-12)	5.78		0.30	0.40			.=			0.07	0.06	0.06	0.06		0.07
27	5.53		0.26	0.34						0.06	0.06	0.06	0.04		0.06
23	5.32		0.26	0.54						0.08	0.08	0.05	0.06		0.07
34	5.04		0.26	0.52						0.07	0.07	0.05	0.04		0.07
25	5.15		0.28	0.43						0.06	0,05	0.05	0.04		0.06
. 216	5.00		4.51	0.53						0.06	0.06	0.08	0.09		0.07
27	5.21		0.36	0.46						0.08	0.06	0.05	0.04		0.07
28	5.07		0.26	0.38						0.07	0.06	0.05	0.04		0.07
29	5,12		0.25	0.34						0.06	0.06	0.05	0.04		0.06
30	4.98		0.25	0.87						0.06	0.06	0.09	0.09		0.08
31	5.00		0.25	0.48						0.06	0.06	0.06	0.04		0.06
AVERAG	E 11.4	#DIV/0I	0.4	1	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0!	#DIV/0!	0.07	0.07	0.06	0.07	#DIV/01	0.07

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS:

PWSID: PLANT ID: KY0800273 Α

REPORT MONTH/YEAR:

05/2016

*Please answer Y/N question below this chart.

PAGE

OF 11

	FLUC	DRIDE	IF	ON	MAN	NGANESE			Lowest Dally Chlorine Residual Plant Tap On-Line Chlorine Analyzer	RAINFALL	WATER TEMP. DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL	INCHES	F ⁰ /C ⁰
11	0.23	0.93	0.11	0.04	0.03	0.00			1.50	2.3	16.8
2	0.01	0.88	0.20	0.04	0.09	0.01			1.50	0.4	16.8
3	0.00	0.86	0.34	0.03	0.11	0.01			1.50	0.6	17.1
4	0.00	0.48	0.30	0.06	0.11	0.02			1.50	2700	17.0
5	0.00	0.62	0.35	0.02	0.11	0.01			1.50	0.3	16.9
6	0.00	0.52	0.37	0.02	0.11	0.01			1.57	0.0	17.2
7	0.00	0.74	0.34	0.00	0.11	0.02	-		1.50	0.0	17.0
8	0.00	0.69	0.41	0.01	0.08	0.01		=	1.50	0.1	17.1
9 8	0.00	0.81	0.43	0.02	0.08	0.00			1.60	4 4	17.2
10	0.03	0.75	0.23	0.00	0.06	0.01					17.1
11	0.04	0.74	0.25	0.03	0.05	0.00			1.50	1.1	17.2
12	0.13	0.72	0.23	0.05	0.08	0.01			1.50	0.1	17.6
13.	0.09	0.78	0.24	0.03	0.08	0.01	-		1.60	0.1	17.5
14	0.09	0.57	0.22	0.03	0.09	0.02			1,60	0.0	17.3
15	0.04	0.69	0.25	0.02	0.08	0.02			1.60	0.0	16.8
16	0.11	0.79	0.19	0.02	0.08	0.01			1.50	0.0	17.1
17	0.11	0.78	0.25	0.04	0.09	0.01	-		1.50	0.1	17.3
18	0.11	0.70	0.22	0.04	0.10	0.01	ļ		1.40	0.1	17.1
19	0.11	0.81	0.17	0.03	0.09	0.01			1.55	0.2	17.2
20	0.03	0.72	0.19	0.04	0.09	0.02			1.57	0.0	17.2
. 4	0.07	0.82	0.17	0.00	0.08	0.01	* * * **		1.60	0.7	17.9
22	0.00	0.64	0.16	0.01	0.08	0.04			1.50	0.3	17.1
23 1.	0.11	0.76	0.14	0.02	0.10	0.01			1.50	0.0	17.3
2.4	0.11	0.72	0.12	0.02	0.09	0.01			1.55	0.0	17.4
25.	0.09	0.68	0.16	0.04	0.10	0.01	ļ		1.65	0.0	17.7
26	0.08	0.76	0.13	0.04	0.12	0.02					17.8
27		0.70	0.15	0.07	0.14	0.01			1.65	0.2	17.8
28	0.06	0.72	0.19	0.00	0.10	0.01			1.50	0.0	18.0
29	0.10	0.85	0.18	0.00	0.20	0.02			1.50	0.0	17.7
30		0.74	0.10	0.00	0.12	0.01			1.60	0.0	17.8
31		0.79	0.18	0.03	0.12	0.01			1.60	0.0	17.9
AVERAGE	0.06	0.73	0.22	0.03	0.10	0.01	#DIV/0!	#DIV/0!	Monthly Minimum	Rainfall	17.3
									1.40	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
							Number of	of readings	31	6.86	

For Free Chlorine, # less

than 0.2 mg/L For Chloramines, # less

than 0.5 mg/L

0

	APPICICABLE TO AU. PLANTS WITH	FILTRATION
--	--------------------------------	------------

PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 05/2016

	Harris Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the		HA COSTANIZATI	HOUSE AND STREET	CERCIPATION OF		entre exception	PAGE		OF	11 Street
P	TOTAL	No:	3	No:	4	No:	A1900 5	No:	6	No:	
	WASH WATER	AREA (aquare feet)	160	AREA (square feet)							
DAY	GALLONS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRB	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN
XXXV	34,000	17,000	98.60	17,000	97.50	GALLONS	niks	GALLONS	rino	GALLOITO	11110
H		17,000	86.00	17,000	87.50						
3	0										
4			-								
	0	annig.						30,000			
5	30,000					24.000	140.00	30,000			
6	21,000					21,000	148.20				_
7	30,000	15,000	135.50	15,000	135.50						-
8	00										
9	34,000					17,000	77.30	17,000	91.00		
10	0								-		-
11	30,000	15,000	97.60	15,000	97.60						
12	0									4	
13	31,000					15,000	88.00	16,000	88.00		
14	0										
15	30,000	15,000	99.60	15,000	99.60						
16	0										
17	31,000					15,000	94.60	16,000	94.60		
18	0										
19	30,000	15,000	88.20	15,000	88.20						
20	0	- Kilmin Britania		11.7							
21	30,000			28140		15,000	92.50	15,000	92.50		
22	0					18 3336 (9-20)		1000			
23	30,000	15,000	95.00	15,000	95.00						
24	0										
<b>7</b> 5	30,000					15,000	103.50	15,000	103.50		
26	0										
( <del>1</del> )	30,000	15,000	95.20	15,000	95.20						
28	0			//							
29	30,000					15,000	94.90	15,000	94.90		
30	0					U-7-					
31	30,000	15,000	99.30	15,000	99.30						
OTAL	481,000	122,000	809.00	122,000	807.90	113,000	699.00	124,000	564.50	0	0.00
VERAGE	15,516	15,250	101.125	15,250	100.988	16,143	99.857	17,714	94.083	#DIV/01	#DIV/0

COPY AS NEEDED

ALL WATER SYSTEMS.

PWS ID : __ KY0800273 PLANT ID:

OF

REPORT MONTH/YEAR: 05/2018

PAGE

		EMICALS ADDED		TEST RESULTS  TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm)									
	CHLORINE BOOSTER	CHLORINE BOOSTER		MO	RTH		. (T) AND FREE (F) O		L (ppm) IST	1 444	ES'T		
DAY	LBS	LBS		T	F	T	F	I	F	T	F		
4.00				1.52	1.44	0.95	0.88	1.04	0.95	1.16	1.05		
2			₹0:00	0.90	0.81	0.46	0.38	1.07	0,97	1.08	0,99		
				1.20	1.06	1.37	1.28	0.95	0.92	1.10	1.01		
4			(A)	1.19	1.11	1,11	1.02	1.20	1.13	1.39	1.33		
5				1.02	0.96	1.15	1.09	1.23	1.18	1.18	1.13		
q			7	1.22	1,11	1,29	1.23	1.15	1.06	1.39	1,31		
77				1,41	1.33	1.33	1.26	1,39	1.27	1.19	1.09		
8				1.12	0.97	1.27	1.16	1,08	0.99	1.53	1.40		
9				1.02	0.87	1.38	1.26	1.20	1.06	1.19	1.06		
10			n=115	1.24	1,23	1,49	1.42	1.28	1.22	1.12	1.09		
14				1.39	1,27	0.74	0,65	1.02	0.98	1.16	0,98		
12				1,00	0.91	1.07	0.99	1.08	1.06	1,09	0,99		
10				0.72	0.64	1.00	0.87	1.17	1.08	0.76	0.62		
10		, a		1.11	1.03	0,58	0.47	1.31	1.25	1.37	1.29		
16				1.29	1.20	1.03	0.98	1.23	1.08	1.31	1.24		
16		1909		0.49	0.37	1.16	1.05	0.95	0.81	0.35	0.29		
W		1900		1.17	1.09	0.71	0.59	0.92	0.89	1.07	1.00		
18,		in the		0.62	0.52	0.62	0.58	1.07	0.99	1.23	1.20		
(9)				1.16	1.13	1.09	1,06	1,04	1.01	1,19	1.13		
20				1.21	1.11	1.06	0.99	1.02	0.93	1,28	1.26		
21.				1.07	0.90	1.01	0.82	1,09	1.05	1.14	1.02		
K.Z				1.12	1.06	1.44	1.36	1.09	1.01	1,25	1.14		
				0.86	0.73	1,03	0,99	1,13	1.08	0,87	0.81		
24		100		1.34	1.22	1.19	1.12	1.32	1.24	1.32	1.27		
25		188		0.96	0.87	1,19	1,12	1.27	1.18	1.34	1.26		
26		- I		0.88	0.79	1.29	1.14	1.19	1.12	0.87	0.72		
27				1.26	1.20	0.34	0.27	1.32	1.28	1.50	1.39		
28				1.19	1.08	1.16	1.05	1.34	1.23	1.59	1.49		
29.				1.65	1.59	1.32	1.17	0.69	0,61	0.61	0.53		
30'				1.10	1.01	1.13	1.02	1.16	1.05	1.36	1.23		
31				1.05	0.99	1.20	1.08	1.25	1.17	0.52	0.42		
ERAGE	#DIV/01		rage	1.11	1.02	1.07	0.98	1.14	1.06	1.15	1.06		
TAL	0.0	0.0 Total	lmum	0.49		0.34		0.69		0.35			
		Min	imum		0.37		0,27		0,61		0.29		

Total # Chlorine campres
# Lass than 0.2 mg/L/U.5. mg/L
| Minimum Monthly Free
Residuals 124 Residual
| Residuals 124 Residual Number of Free Residuals 0.27 Number of Total Residuals 0.34 Total # Less than 0.2 mg/L 0

Total # Less than 0.5 mg/L

Disinfectant Chloramines? (Y/N) Number of days of operation?



#### KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID: KY0800273 **TURBIDITY REPORT** PLANT ID: Α APPLICABLE TO ALL PLANTS WITH FILTRATION Report Period (MM/YYYY): 05/2016 PAGE: 8 OF 11 **PWS Name:** Martin County Water District # of Turbidity miples Required Mid - 4 am DAY Daily..... Maximum 4 am 8 am : Wants Noon a pm - Mid Noon 4 pr Samples Required! Operated: 24.0 6 0.06 0.06 0.06 0.07 0.05 0.06 0.065 0.088 24.0 6 0.09 0.08 0.08 0.07 0.09 0.08 0.06 0.07 0.099 6 0.08 0.06 24.0 0.09 0.10 0.08 0.076 24.0 6 0.07 0.07 0.07 0.06 0.06 0.06 0.05 0.067 24.0 6 0.07 0.06 0.06 0.06 24.0 0.06 0.05 0.098 6 0.06 0.05 0.05 0.10 24.0 6 0.06 0.06 0.06 0.07 0.06 0.073 0.05 0.06 0.062 23.0 6 0.06 0.06 0.06 0.06 0.06 8 23.0 6 0.06 0.05 0.06 0.05 0.05 0.058 0.06 24.0 6 0.06 0.05 0.05 0.05 0.05 0.05 0.060 0.06 0.061 24.0 0.05 0.05 6 0.05 0.05 0.05 24.0 6 0.05 0.05 0.05 0.05 0.05 0.05 0.051 13 24.0 6 0.05 0.05 0.04 0.05 0.06 0.05 0.063 0.051 14 6 0.05 0.05 24.0 0.05 0.05 0.05 0.05 16 0.04 0.05 0.047 6 0.05 0.04 24.0 0.05 0.05 24.0 6 0.06 0.05 0.04 0.05 0.05 0.05 0.057 24.0 6 0.05 0.05 0.05 0.06 0.07 0.06 0.066 17. 18 22.0 6 0.06 0.05 0.05 0.056 0.06 0.05 0.05 19 24.0 6 0.06 0.06 0.05 0.05 0.07 0.072 0.05 24.0 6 0.07 0.06 0.06 0.06 0.06 0.06 0.065 21 24.0 6 0.06 0.06 0.06 0.07 0.06 0.065 0.06 0.06 0.06 0.064 24.0 6 0.06 0.06 0.06 0.06 24.0 6 0.06 0.06 0.05 0.05 0.07 0.071 0.06 24 24.0 6 0.06 0.06 0.06 0.05 0.06 0.066 0.07 24.0 6 0.06 0.06 0.06 0.060 2,5 0.06 0.06 0.05 24.0 6 0.07 0.06 0.06 0.06 0.06 0.06 0.071 24.0 6 0.06 0.06 0.05 0.07 0.074 0.06 0.05 24.0 6 0.07 0.07 0.06 0.06 0.06 0.06 0.068 20 24.0 6 0.06 0.06 0.06 0.06 0.06 0.06 0.063 24.0 0.08 0.06 0.06 0.06 0.077 6 0.07 0.06 31 24.0 6 0.06 0.06 0.06 0.06 0.06 0.06 0.063 740.0 186 186 0.099 TOTAL # OF TURBIDITY SAMPLES TAKEN Total ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) Y (Any type of filtration besides slow sand) 0.3 NTU Number of samples exceeding ---> 0.1 NTU 0 0 1 NTU

For slow sand filtration, the number of samples exceeding ---> 1 NTU 5 NTU

"NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.

I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

Signature of Principal Executive Officer or Authorized Agent

ALC:	AF	PPLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRATIO	)N	
INDIVIDUAL FILT	ER TURBIDITY EX	CEEDANCE REP	ORT			
PWS Name:	Ma	rtin County Water Dis	trict			
PWS ID:	KY08	00273				
PLANT ID:		4				
Report Period (MM/YY)	M):	05/2	2016			
If any filter excee	ded any one of th	e Individual filter	turbidity triggers	below,		
(also listed on the	e Summary Sheet	), complete the fo	ollowing and subr	nit		
the appropriate r	eport(s).			-		PAGE 9 OF 11
Date	Filter Number	-Turbidity Reading (NTU)	Trigger Level (see below)	Reason for Exceedar	ide ((E/mown)	Date and Time
				11 112		

#### Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 15 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

#### Report Required:

For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger B.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273		MONITORING PERIOD (MM	YYYY) 05/2016
•	NOTE: COMPL	ETE ALL	APPLICABLE FIELDSIII NOT ALL	OF THE FIELDS ARE PRE-
I I I I I I I I I I I I I I I I I I I			POPULATED FOR YOU!!!	THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT
	APPI	ICABLE T	ORMATION: TO ALL PLANTS	garatistoria tallet <del>ag</del> arasa, ja likuli
PLANT ID A	All L		TAL WATER TREATED (gallons)	58,563,000
PLANT NAME	Martin County Water District		E. DAILY PRODUCTION (gallons)	1,889,129
AGENCY INTER		_	XIMUM PUMPAGE (gallons per day)	1,989,000
			REDGE TURBURY	AND AND AND AND AND AND AND AND AND AND
	APPLICABLE T	O ALL PL	ANTS WITH FILTRATION	
ANALYTE CODE	0100			11-1
	nonitored continuously? (Y/N)		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Y
1	ents recorded every 15 minutes? (Y/N)		***************************************	Y
	re of the continuous monitoring equipment?			
	ere individual filter effluent turbidity grab sam as the continuously monitoring equipment rep			
	ter level greater than 1.0 NTU in two consecu			N
	ter level greater than 0.5 NTU in two consecu			hours? (Y/N)
	ter level greater than 1.0 NTU in two consecu			(Y/N) N
	ter level greater than 2.0 NTU in two consecu			/N) N
if any of the last	4 boxes are YES, fill out the Individual F	ilter Turbi	idity Sheet and submit with the MOR	1.3111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
	BINESSIFIEREFFIUENTAURBIDHY		APPLICABLE TO A	
APPLICA	ABLE TO ALL PLANTS WITH FILTRATION		APPLICABLE TO A	LL PLANTS
ANALYTE CODE			ANALYTE CODE 0999	
1	of plant operation	740.0	Number of days of plant operation	31
	ken every 4 hours of plant operation? (Y/N)		Were samples taken each day of opera  Number of lowest chlorine samples reco	
Number of sample Highest single tur	(MAGGERAL DE SERVER PROPERTURA DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR	0.10	Lowest single chlorine reading	1.40
	xcept slow sand filtration:		If less than required:	
	mples exceeded 0.1 NTU	. 0	Was residual restored within 4 hours of	plant operation? (Y/N)
	mples exceeded 0.3 NTU	0	Free Chlorine (for all disinfectants exce	pt chloromine):
III.	mples exceeded 1 NTU	0	Number of samples under 0.2 mg/L	
	slow sand filtration: mples exceeded 1 NTU		Total Chlorine (when disinfectant is Chlo Number of samples under 0.5 mg/L	oramine):
	mples exceeded 5 NTU		Number of samples under 0.5 mg/L	
	NE DIOXIDE ENTEX POINT MONITORING E TO PLANTS UTILIZING CHLORINE DIOX			
		IDE	APPLICABLE TO PLANTS UTILIZ	ING CHEORINE DIOXIDE
ANALYTE CODE  Number of days of		31	ANALYTE CODE 1009  Number of days of plant operation	31
· ·	ken each day of operation? (Y/N)	31	Were samples taken each day of operation	
Number of sample		0	Number of samples taken	0
	lorine dioxide reading	0.00	Highest single chlorite reading	0.00
Number of chloring	ne dioxide samples exceeded 0.8 mg/L		Number of chlorite samples exceeded 1	mg/L 0

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

06/08/2016

### KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID	KY0800273			MONITOR	ING PERIOD (	MMYYYY)	05/2016	
Al 2987		NOTE: COMPLETE	ALL	APPLICABLE FIEL	DSIII NOT A	LL OF THE F	IELDS ARE F	RE-
				POPULATED				
	: PURCHAS		_	THE RESERVE OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF T	so so	D		
	T-1		O ALL	WATER SYSTEMS	2110 12	HOWE	01107	
	M? (PWS ID)	HOW MUCH? (gallons)		TO WHOM? (I	PWS ID)	HOW MU	CH? (gallons)	
WV3303003		347,967	- II					-: 1
KY0980575		0	2,					-
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n (1)	7#.e. 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DETRIBUTION RESIDUA	magi	SEESTANT CONFER	ITPA DON			15
996546992499999999	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	APPLICABLE T	O ALI	WATER SYSTEMS	CHILD VIDE NAMED IN		SAN DE BEST VINNE PROPERTY	7.00
ANALYTE CODE	0999							
Number of days of	of operation	31	-	Free Chlorine (for all			ne)	
	ken each day of opera	ation? (Y/N)		Number of sample				0
Number of sampl	es taken:			Total Chlorine (when				
FREE			_	Number of sample	es under 0.5 m	g/L		_
TOTAL	<u> </u>		_					
	EE chlorine reading	0.27						
Lowest single TO	TAL chlorine reading	0.34						

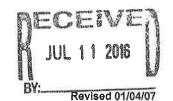
I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

06/08/2016

Return Document To:		
	A 144	
		¥
Patch III - Next p	age starts new Batch	
Agency Interest	2987	
Program Code:	03	
Received Date:	6/9/2016	
Incident Number:		
Document	ICMRSE	
Functional Area	284	
Activity ID:	CMN20160010	
View Level:	2 - Public	
Assign To: (TEMPO	ogunsanyat	
Document Title:	KY0800273 MOR 0516	
Batch Name:	7	
Duplex		
Color Map		
Oversized Attachment		
☐ Legal-sized Attachment		
☐ Other		
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Received JUN 16 2016 File Room



# KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH**

# MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONT DEP Form 4012—Re	H & YEAR (mm/yyyy) evised 07/2006	06/2016	Indicate one with "X"	X	SURFACE WATER GROUNDWATER PURCHASE/DISTRIBUTE ONLY
PWS ID : PWS NAME: AGENCY INTEREST (AI): SOURCE NAME:	KY0800273  Martin County V 2987  Crum Rese		PLANT NAME: PLANT CLASS: DATE MAILED: COUNTY:	_3_	Martin County Water District  DIST. CLASS: 2  07/08/20/6  Martin
WTP SHIFT 1: WTP SHIFT 2: WTP SHIFT 3: DISTRIBUTION: THIS REF		SIBLE / IN-CHARGE y eartin Elbert Osborne			CERTIFICATION NUMBER  17562  21944  24590 / 27800  PPLICABLE FIELD OFFICE MONTH.
TREATMENT PLANTS		A36			
1. DESIGN CAPACITY (gpm):		1,66	7	#75	
2. TYPE OF FILTRATION USE	ED:	Dual M	edia	•	
3. DESIGN FILTRATION RATI	E (gpm/sq. ft.):	2.60	6	<b>.</b>	
4. PERCENT BACKWASH WA	ATER USED:	0.8			
DATE FLOCCULATION BA     DATE SETTLING BASIN(S)	2	#2 - 3/18/10	#3 - 9/2/ 09		

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalities under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more that one year, or both).

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

07/08/2016 DATE



APPECABLE TO AND PEANTS

PWS ID : PLANT ID:

1

KY0800273 Α

REPORT MONTH/YEAR: PAGE

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	RAW WATER TREATED	HOURS PLANT OPERATED		ULANT		ULANT	pH ADJU	JSTMENT	DISINFE	ECTANT	DISINFE	CTANT
DAY	GALLONS	OFERAILO	LBS	PPM	LBS	PPM	LBS	PPM	LBS	PPM	LB9	PPM
turi.	1,977,000	24.0	257.4	15.6	4.2	0.3			603.9	36.6	169.2	10,3
2	1,938,000	24.0	257.4	15.9	4.2	0.3			583.2	36.1	169.2	10,5
3	1,993,000	24.0	257.4	15.5	4.2	0.3			583.2	35.1	183.1	11.0
4	1,935,000	24.0	214.8	13.3	4.2	0.3			614.8	38.1	183.2	11.4
5	1,960,000	24.0	193.3	11.8	4.2	0.3			583.0	35.7	183.2	11.2
e .	1,961,000	24.0	193.3	11.8	4.2	0.3			644.2	39.4	183.2	11.2
7	1,992,000	24.0	193.3	11.6	4.2	0.3			655,6	39.5	183.2	11.0
8	1,970,000	24.0	193.3	11.8	4.2	0.3			644.2	39.2	183.2	11.2
9	1,977,000	24.0	193.3	11.7	4.2	0.3			748.0	45.4	192.5	11,7
10	1,978,000	24.0	193.3	11.7	4.2	0.3			661.8	40.1	183.2	11.1
110	1,972,000	24.0	193.3	11.8	4.2	0.3			732.0	44.5	191.4	11.6
12	1,966,000	24.0	193,3	11.8	4,2	0,3			673.4	41.1	173.8	10.6
13	1,993,000	24.0	193,3	11.6	4.2	0.3			668.0	40.2	183,1	11.0
14	1,924,000	24.0	193.3	12.0	4.2	0.3			673.2	42,0	183.1	11.4
5	1,998,000	24.0	193,3	11.6	4.2	0.3			673.4	40.4	183.1	11.0
16	1,958,000	24.0	193.3	11.8	4.2	0.3			696.0	42.6	183.1	11.2
Tr.	1,960,000	24.0	193.3	11.8	4.2	0.3			707,1	43.3	183.2	11,2
18	2,027,000	24.0	256.3	15.2	4.2	0.2			715.6	42,3	193.1	11.4
19 %	1,993,000	24.0	330.6	19.9	4.2	0.3			711.6	42.8	183.1	11.0
20	1,986,000	24.0	330.6	20.0	4.2	0.3			734.3	44.3	183.1	11.1
21),	2,009,000	24.0	330.6	19.7	4.2	0.3			746.7	44.6	193.1	11.5
221	1,626,000	19.5	268.7	19.8	3,4	0.3			581.9	42.9	173.2	12.8
23	1,805,000	21.5	294.6	19,6	3.8	0.3			671.1	44.6	195.4	13.0
24.	1,973,000	24.0	330.6	20,1	4.2	0.3			738.3	44.9	213.1	13.0
25	1,923,000	24.0	330.6	20.6	4.2	0.3			759,1	47,3	213,1	13.3
26)	1,946,000	24.0	330,6	20.4	4.2	0.3			782.1	48.2	213.1	13.1
17 17	1,899,000	24.0	330.6	20.9	4.2	0.3			846.3	53,4	213,1	13,5
17. 28	1,896,000	24.0	330.6	20.9	4.2	0.3			876.8	55.4	213.1	13.5
20	1,954,000	24.0	330.6	20.3	4.2	0.3			887.5	54.5	213.1	13.1
30	1,867,000	24.0	330.6	21.2	4.2	0.3	7,1111111111111111111111111111111111111		900.3	57,8	234.3	15.0
31	58,356,000		7625.4		124.8		0.0		21096.6		5727.9	
	4 0 45 000		0540	45.7	4.0	0.0	400.00	401//01	700.0	12.1	400.0	118

AVERAGE

MAX

1,945,200

2,027,000

254.2

15.7

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APPLICABLE TO ALL	PLANTS
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PWS ID: KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 08/2016

PAGE 2 OF 11

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	DISINFE	CTANT	FLUO	RIDE	CARI	ON	pH ADJI	JSTMENT	KMr	5O ₄	CORRE		Had	02
							Po	at	-			_		
AY	LBS	PPM	LB8	РРМ	LB8	PPM	LBS	PPM	LBS	PPM	LB8	PPM	LBS	PPM
	773.1	46.9	60.9	3.7	126.9	7,7								, ////
	752.4	46.6	60.9	3.8	126.9	7.9								
3	766.3	46.1	60.9	3.7	126.9	7.6								
	798,0	49.4	60.9	3.8	126.9	7.9								
ы	768.2	46.9	60.9	3.7	126,9	7,8								
8	827.4	50.6	60,9	3.7	126.9	7.8								
2	838,8	50.5	60.9	3.7	95,1	5,7	46.4	2.8		-155000000	1			
9	827.4	50.4	60.9	3.7	79.3	4,8	69.5	4.2						
9	940,5	57.0	60.9	3.7	79.3	4.8	69.5	4.2						
10	845.0	51.2	60.9	3.7	79.3	4.8	69.5	4.2						
11	864.6	52.6	60.9	3.7	79.3	4.8	69.5	4.2						
2	847.2	51.7	60.9	3.7	79.3	4.8	69.5	4.2						
la.	851.1	51.2	60.9	3.7	79.3	4.8	69.5	4.2						
14.77	858.3	53.4	60.9	3.8	79.3	4.9	69,5	4,3				400		
15.	856.5	51.4	60,9	3.7	79.3	4.8	69,5	4.2						
16	879.1	53.8	60.9	3.7	79.3	4.9	69.5	4.3						
7.	890.3	54.5	60.9	3.7	83.4	5,1	37.7	2,3					Z-100 (E-100 )	
0	908.7	53.8	60.9	3.6	83.4	4.9								
9	894.7	53.8	60.9	3.7	92,0	5.5								
20	917.4	55.4	60.9	3.7	92.0	5.6								
11.	939.8	56.1	60.9	3,6	92.0	5.5								
2	755.1	55.7	49.5	3.7	74.7	5,5			22.6	1.7				
3	886.5	57.6	54.6	3.6	82,3	5.5			24.9	1.7				
4	951.4	57.8	60.9	3.7	92,0	5.6	69.5	4.2	27.9	1.7				
26	972.2	60.6	60,9	3.8	92.0	5.7	69.5	4.3	27.9	1.7				
26	995,2	61.3	60.9	3.8	92.0	5.7	69.5	4.3	27.9	1.7				
J. o.s	1059.4	66.9	60.9	3.8	92.0	5,8	69,5	4.4	27.9	1.8				
28	1089.9	68.9	60.9	3.9	92.0	5.8	69.5	4.4	32.9	2.1				
29.	1100.6	67.5	60.9	3.7	92.0	5.6	69.5	4.3	32.9	2.0				
30	1134.6	72.9	60.9	3.9	118.3	7.6	69.5	4.5	42.7	2.7				
TAL	26,765.7		1,809.3		2,840.3		1,198.2		267.6		0.0		0.0	
ERAGE	892.2	55.1	60.3	3.7	94.7	5,8	66.5	4.1	29.7	1.9	#DIV/0I	#DIV/0I	#DIV/01	#DIV/0

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR:

06/2016

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OF

11

	DH DH			ANALYTICAL RESULTS (might on Pr			PRE UNLESS OF PRIVISE SPECIFIED)				TURBIDITY (NTU)			
		pН		ALKAI			TAL NESS	TOF	OF	PLA				
DAY	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOTAL	TER FREE	TOTAL	FREE	RAW	SETTLED WATER	PLANT TAP
	7,00	7.11	7,03	60	58	90	87	0.65	0.53	1.71	1.59	4.98	0.28	0.06
222	7.07	7,11	7.04	60	58	90	86	0.57	0.44	1.79	1.68	4.67	0.25	0.06
	7.03	7.10	7.02	60	58	93	89	0.52	0.40	1.78	1.66	4.38	0.22	0.06
4	6.97	7.08	7.00	60	58	90	88	0.61	0.50	1.80	1.68	4.26	0.23	0.06
5	6.99	7,11	7.03	63	58	89	86	0.53	0.43	1.71	1.64	4.18	0.26	0.06
5	7.04	7.08	7.04	68	70	86	82	0.62	0.51	1.78	1.70	3.83	0.31	0.06
7	7.02	7.13	7.12	65	70	85	88	0.61	0.51	1.79	1.71	3.95	0.34	0.06
8	7.02	7.14	7.20	60	65	85	88	0.54	0.44	1.80	1.67	3.85	0.34	0.05
	7.02	7.08	7.15	65	64	87	90	0.59	0.48	1.80	1.71	3.88	0.37	0.05
10	7.01	7.13	7.12	70	68	86	88	0.62	0.52	1.82	1.75	4.07	0.36	0.05
11	7.00	7.11	7.20	70	68	88	90	0.67	0.56	1.85	1.74	4.05	0.35	0.06
12	7.00	7.10	7.22	56	65	85	82	0.75	0.64	1,87	1.75	4.20	0.33	0.05
	6.96	7.10	7.21	58	56	90	89	0.64	0.50	1.78	1.69	3.58	0.28	0.06
14 16	6.99	7.09	7.14	62	61	93	89	0.62	0.45	1.85	1.74	3.79	0.29	0.05
116	7.03	7.12	7.24	63	62	90	87	0.62	0.48	1,86	1.78	3.72	0.36	0.06
16	7.02	7.13	7.25	65	60	92	90	0.57	0.39	1.88	1.76	4.15	0.32	0.06
47	7.02	7.12	7.13	65	63	90	88	0.68	0.55	1.85	1.72	4.06	0.40	0.06
18	7.05	7.14	7.09	78	70	97	100	0.67	0.53	1.82	1.72	4.09	0.36	0.06
19	7.01	7.09	7.00	65	63	96	92	0.57	0.44	1.77	1.65	4.10	0.33	0.06
20	7.01	7.11	7.06	64	60	95	92	0.54	0.35	1.84	1.75	4.44	0.41	0.06
24	7.02	7.13	7,07	68	65	93	88	0.61	0.48	1.83	1.72	4.55	0.34	0.07
22	7.03	7.14	7.09	70	65	95	91	0.41	0.29	1.85	1.75	4.42	0.34	0.07
23	7.05	7.15	7.07	72	70	99	95	0.52	0.37	1.86	1.69	4.34	0.26	0.06
24	7.04	7.11	7.12	73	70	98	97	0.55	0.41	1,91	1.75	4.66	0.26	0.06
25	7.03	7.13	7.24	70	73	99	95	0.45	0.30	1.90	1.77	50.00	0.32	0.07
26	7.05	7.11	7.21	68	71	96	106	0.38	0.26	1.85	1.72	58.60	0.32	0.07
24	7.06	7.11	7.22	75	72	99	97	0.48	0.34	1.95	1.80	66.90	0.45	0.09
28	7.02	7.11	7.22	75	70	99	94	0.53	0.39	1.97	1.80	61.90	0.36	0.08
200	7.01	7.12	7.21	64	65	92	85	0.56	0.43	1.96	1.85	57.00	0.46	80.0
36	7.00	7.09	7.20	70	68	88	86	0.58	0.44	1.95	1.80	48.40	0.66	0.07
vi i														
AVERAGE	7.0	7.1	7.1	66	65	92	90	0.58	0.45	1.84	1.72	14.77	0.34	0.06

# OPTIONAL INFORMATION Surface Water Plants Only

KENTUCKY DIVISION OF WATER **DRINKING WATER BRANCH** 

WATER TREATMENT PLANT MONTHLY OPERATION REPORT

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA

PWS ID:

KY0800273

A

PLANT ID: AGENCY INTEREST:

2987

REPORT MONTH/YEAR:

06/2016

AREA-WIDE		AŞ NEEDE									PAGE		OF	11
	A JUXES	- 1 TE	A John	L. Sanail M.	, Al	ALTICAL	RESULTS	NTU) «	r ≥2/11		3000	ist of	n har≢adr	
RAW		SEDIM		BASIN EFF	LUENT					AL FILTER E				CFE
DAY MAXIMUM	#1	#2	#3	#4	#6	#6	#1	#2	#3	#4	UM #5	#6	#7	DAILY MAXIMUN
4.98		0.27	0.41						0.09	0.09	0.05	0.04		0.08
<i>₂</i> 4.67		0.27	0.44						0.07	0.07	0.05	0.04		0.07
4.38		0.22	0.30						0.06	0.06	0.08	0.07		0.08
4.26	- Uraca	0.29	0.35						0.08	0.08	0.06	0.04		0.07
5 4.18		0.23	0.36						0.07	0.07	0.05	0.04		0.07
3.83		0.27	0.45						0.06	0.06	0.07	0.06		0.07
3.95		0.30	0.54						0.06	0.06	0.06	0.05		0.07
3.85		0.24	0.56						0.08	0.08	0.06	0.04		0.07
3.88		0.30	0.60						0.07	0.07	0.05	0.04		0.07
10 4.07		0.28	0.63						0.06	0.06	0.07	0.06		0.07
4.05		0.25	0.53		41.11.				0.06	0.06	0.06	0.04		0.07
12 4.20		0.30	0.49						0.07	0.07	0.06	0.04		0.06
3.58		0.25	0.45						0.10	0.09	0.05	0.03		0.08
14 3.79		0.24	0.41						0.06	0.06	0.05	0.03		0.06
15 3.72		0.32	0.79						0.06	0.06	0.07	0.07		0.07
18 4.15		0.28	0.55			- 74.01			0.06	0.06	0.06	0.04		0.06
4.06		0.33	0.77					1.7	0.09	0.09	0.05	0.04		0.08
18. 4.09		0.25	0.74						0.06	0.06	0.07	0.06		0.07
4.10		0.24	0.60						0.06	0.06	0.06	0.05		0.07
20 4.44		0.36	0.93						0.09	0.09	0.06	0.04		0.08
4.55		0.28	0.52						0.08	0.08	0.06	0.04		0.07
4.42		0.32	0.73						0.07	0.07	0.06	0.05		0.07
4.34		0.31	0.35						0.06	0.07	0.08	0.06		0.09
24 4.66		0.40	0.40						0.07	0.06	0.06	0.05		0.07
50.00		0.35	0.54						0.11	0.11	0.06	0.05		0.10
28 58.60		0.26	0.56						0.08	0.08	0.06	0.05		0.08
66.90		0.30	0.77						0.09	0.09	0.10	0.10		0.11
20 61.90		0.40	0.80						0.12	0.11	0.08	0.06		0.10
29 57.00		0.31	0.94						0.11	0.12	0.07	0.06		0.11
48.40		0.33	1.72						0.09	0.09	0.07	0.05		0.09
31										1,000,000				
ERAGE 14.8	#DIV/0I	0.3	1	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	0.08	0.08	0.06	0.05	#DIV/0!	0.08

# KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE FORTE PLANTS

PWSID: PLANT ID:

KY0800273

REPORT MONTH/YEAR:

06/2016

*Please answer Y/N question below this chart.

5 OF

		wer Y/N que							PAGE	5	OF _	11
WARE T	1.0	1.0	34	NAUYFICALR	ESULTS (mg)	OR FRM UNL	ESS OTHERW	SE SPECIFIED	))*.\```			
	FLUC	ORIDE	}F	RON	MAI	NGANESE			Lowest Daliy Chiorine Residual Plant Tap On-Line Chiorine Analyzer	ない いっぱい いっぱい いっぱい いっぱい いっぱい いっぱい いっぱい いっ	RAINFALL	TEMP.  DEGREES
DAY	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE / TOTAL		INCHES	Fº/Cº
		0.81	0.15	0.01	0.12	0.01			1.50		0.0	18.0
2		0.69	0.19	0.02	0.13	0.02			1.55	j.	0.0	18.3
3		0.90	0.16	0.03	0.13	0.01			1.55	4	0.7	18.2
4		0.69	0.16	0.01	0.13	0.01			1.50		0.0	18.2
5		0.62	0.18	0.01	0.15	0.01			1.50	and Sec	0.4	18.5
/== ig=:		0.67	0.16	0.00	0.16	0.00			1.45		0.5	18.6
7		0.64	0.15	0.00	0.18	0.00			1.55	疆	0.0	18.4
8		0.68	0.15	0.00	0.17	0.00			1.55		0.0	18.5
9		0.84	0.15	0.00	0.18	0.01			1.60		0.0	18.5
10	0.09	0.78	0.16	0.00	0.19	0.01			1.60	4	0.0	18.6
11	0.06	0.72	0.15	0.00	0.21	0.01			1.60	瘤	0.0	18.9
12	0.13	0.67	0.16	0.03	0.22	0.01			1.55		0.0	19.0
13	0.11	0.81	0.13	0.03	0.23	0.01			1.60		0.6	19.2
14	0.09	0.66	0.18	0.02	0.23	0.01			1.60		0.0	19.4
16	0.10	0.75	0.17	0.03	0.23	0.01			1.50		0.0	19.5
16	0.11	0.71	0.19	0.01	0.24	0.01			1.60	- 46	1.5	19.7
17	0.09	0.91	0.19	0.01	0.29	0.01			1.55		0.0	20.0
18	0.13	0.68	0.18	0.03	0.31	0.00			1.60		0.0	20.1
19	0.22	0.95	0.20	0.00	0.25	0.01		li	1.50		0.0	20.3
20	0.09	0.76	18.00	0.04	0.26	0.02			1.55		0.0	20.6
21	0.05	0.79	0.20	0.79	0.31	0.02			1.55		0.0	20.8
22	0.00	0.62	0.21	0.02	0.29	0.02			1.55		0.3	21.0
23	0.08	0.71	0.21	0.02	0.37	0.02			1.45	12	0.2	21.0
24	0.07	0.76	0.22	0.01	0.48	0.01			1.50	*	2.3	20.9
25	0.00	0.85	0.70	0.03	0.51	0.01			1.55		0.0	21.1
26	0.00	0.71	0.89	0.10	0.46	0.01			1.45	3	0.0	21.5
27	0.00	0.82	0.84	0.02	0.45	0.01			1.50	100	0.0	21.7
28	0.00	0.75	0.85	0.02	0.43	0.02			1.60		0.9	21.9
ZIE	0.00	0.77	1.01	0.03	0.39	0.02			1.60		0.0	22.0
30.	0.00	0.85	0.75	0.02	0.36	0.01		-15	1.55		0.0	22.1
31 AVERAGE	0.07	0.75	0.90	0.04	0.27	0.01	#DIV/0!	#DIV/01	Monthly Minimum		liotai #Rainfaile	19.8
							de company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la		1.45	阿	Buckey Branches	Tide de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la co
								of readings niorine, # less	30	1	7.27	
								.2 mg/L	0			

than 0.2 mg/L For Chloramines, # less than 0.5 mg/L

Disinfectant Chloramines? (Y/N)

N

# APPLICABLE TO ALL PLANTS WITH FILTRATION ....

PWS ID : KY0800273
PLANT ID: A

REPORT MONTH/YEAR: 06/2016

PAGE OF 11 A LONG TO SERVICE าร **ราชาการรับเกียร์ เกียก**สายการการ ราชาการการ TOTAL 6 No: No: No: No: WASH WATER 160 160 AREA (square feet) 160 AREA (square feet) AREA (square feet) AREA (square feet) AREA (square feet) WASHWATER WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN WASHWATER FILT RUN FILT RUN DAY GALLONS GALLONS HRS **GALLON8** HR8 GALLONS HRS **GALLONS** HRS **GALLONS** HRS 0 ni. 94.70 94,60 15,000 30,000 15,000 0 3 4 33,000 17,000 91.20 16,000 91.20 6 0 15,000 91.30 30,000 15,000 91.30 0 95.20 -8 30,000 15,000 95.20 15,000 - 9 0 15,000 95.20 15,000 95.20 30,000 111 0 12 99.30 15,000 99.30 30,000 15,000 13 0 14,000 99.00 15,000 99.10 14 29,000 15 0 16 32,000 94.90 32,000 16,000 94.90 0 91.20 18 32,000 15,000 91.20 17,000 19 0 20 30,000 15,000 91.30 15,000 91.30 0 21 94,90 22 34,000 17,000 94.80 17,000 14 0 17,000 97.10 17,000 92.80 34,000 24 25 0 18,000 92.60 92.80 18,000 36,000 26 27 0 30,000 15,000 87.10 15,000 87.10 0 29 95.80 21,000 95.30 11,000 30 10,000 **731** 0 0 0.00 754.20 123,000 754.80 651.80 119,000 TOTAL 461,000 110,000 656.10 125,000

14,875

94.275

15,375

94.350

#DIV/0!

#DIV/0!

17,857 93. COPY AS NEEDED

93.114

15,714

14,871

AVERAGE

93.729

, comi	WATER	SVST	MS	HOR T
	1.200	386		

KY0800273 PWS ID: PLANT ID:

06/2016 REPORT MONTH/YEAR:

OF PAGE

	CHE	MICALS ADDED		DISTRIBUTION SEST MODERATION TEST RESULTS										
	CHLORINE BOOSTER	CHLORINE BOOSTER		No	RTH		. (T) AND FREE (F) C JTH	HLORINE RESIDUAL		WE	9T			
y	LBS	LB8		T	F	T	F F	1	F.	T	P			
			5	1,11	0.97	0.28	0.24	0.46	0.34	1.19	1.06			
				0.97	0.82	1.02	0.94	1.20	1,12	1.01	0.88			
				1.01	0.93	1.20	1.10	1.09	1.00	1.04	0.90			
				1.14	1.02	0.86	0.75	1.19	1.04	1.09	1.02			
Sex end				0.37	0.29	1.28	1.19	1,17	1.07	0.89	0.81			
				0.97	0.89	0.34	0.26	0.95	0,82	0.94	0.81			
				1.20	1.14	0.88	0.79	1.38	1.33	0.92	0.87			
Į.				0.93	0.84	1.12	1.01	1,29	1,18	0,60	0.54			
				0.92	0.79	1.12	1.01	1.14	1.00	1,27	1,22			
Ş				1.16	1,06	1,20	1,10	1.09	1,03	1.29	1,17			
i r				1.34	1.21	0.89	0.85	1,63	1.48	1.49	1,37			
				1,30	1.25	0.42	0,31	0.86	0,70	1.23	1.16			
喜品				1.10	1.02	1.39	1,29	1.18	1.05	1.06	1.00			
, ,				0.87	0,72	0.34	0.27	0.74	0.66	1.06	0.96			
				0.83	0.70	1.22	1.08	1.46	1.38	0.38	0.32			
				0.93	0.67	1,34	1.20	1.14	0.98	1.32	1.28			
			ylla g	0.91	0.77	1.12	1,00	1.13	0.99	0.84	0.73			
				0.71	0.65	0,53	0.49	1.36	1.30	1,42	1.31			
			1200	1,25	1.18	1.18	1.02	1.19	1.08	1.02	0.92			
				0.77	0.89	1:14	0.94	1.06	0.99	0.81	0.73			
		<del>(emass</del>		1.01	0.88	0.80	0.73	0.90	0.79	0.30	0.27			
			(A) B)	0.92	0.76	0.53	0.44	0.84	0.67	0.51	0.41			
				0.83	0.67	0.92	0.80	1.03	0,91	1.19	1.03			
				1.23	1.11	0.30	0.24	1.18	0.98	1.01	0.89			
γo.			11.15	1.35	1.26	1,08	0.90	1.14	1.08	1:26	1.22			
				0.97	0.84	0.31	0.22	1.17	0.99	1,16	0,98			
				0.69	0.52	0.83	0.71	0.57	0.46	0.68	0.57			
8-1-4				0.99	0.87	1.05	0.88	0.60	0.44	1.34	1.22			
				1.19	1.09	0.43	0,31	0.69	0.56	0.58	0.50			
0				0.34	0.30	1.07	0.88	1.20	1.05	0.80	0.43			
				0.07	0.00									
AGE	#DIV/0!	#DIV/0I	Average	0.97	0.88	0.87	0.76	1.08	0.95	0.98	0.89			
	0.0	0.0	Total Minimum	0.34		0.28		0.46		0.30				
			Malman		0.29	6	0.22		0.34		0.27			

# Less than 0.2 mg/L/0.5 mg/L Minimum Monthly Free Residual
Minimum Monthly Total
Residual 0,22 Number of Free Residuals 120 0.28 Number of Total Residuals 120 0

Disinfectant Chloramines? (Y/N) Number of days of operation?

N 30

Total # Less than 0.2 mg/L Total # Less than 0,5 mg/L

						PWS ID:			_
	TURBIDITY				_	PLANT ID:		4	_
	APPLICAL	BLE TO ALL PL	ANTS WITH F	LTRATION	Report Period	(MM/YYYY):	06/2	2016	PAGE:
	Name:		County Water	District					8 OF <u>11</u>
DAY	Hours Plant Operated	a or Turblait/ Samples Required	Mid -4 am	4 am - 8 am	eles Bajin - Novo	Noon - 4 apress		S (JIN) - MILI	Maximum
24	24.0	6	0.08	0.07	0.07	0.06	0.06	0.07	0.078
2	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.066
3	24.0	6	0.08	0.07	0.06	0.06	0.06	0.06	0.075
	24.0	6	0.06	0.06	0.06	0.06	0.07	0.07	0.073
8	24.0	6	0.07	0.07	0.07	0.07	0.06	0.06	0.069
16	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.070
	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.066
80	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.074
7	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.069
10	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.069
41	24.0	6	0.07	0.06	0.06	0.06	0.06	0.06	0.065
12.	24.0	6	0.06	0.06	0.06	0.05	0.06	0.06	0.063
13	24.0	6	0.08	0.07	0.06	0.06	0.06	0.06	0.078
14	24.0	6	0.06	0.06	0.06	0.05	0.05	0.06	0.061
16	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.071
- 66	24.0	6	0.06	0.06	0.06	0.06	0.06	0.06	0.063
17	24.0	6	0.08	0.07	0.07	0.06	0.06	0.06	0.078
18	24.0	6	0.06	0.06	0.06	0.06	0.06	0.07	0.072
19	24.0	6	0.07	0.07	0.06	0.06	0.06	0.06	0.068
20	24.0	6	0.07	0.06	0.06	0.06	0.06	0.08	0.078
21. 27	24.0	6	0.07	0.07	0.07	0.06	0.07	0.07	0.074
22	19.5	5	0.07	0.07	0.07	0.07	0.06	0.06	0.067
23	21.5	6	0.07	0.06	0.07	0.06	0.06	0.09	0.086
24	24.0	6	0.06	0.06	0.07	0.06	0.06	0.07	0.070
26	24.0	6	0.10	0.09	0.09	0.07	0.07	0.07	0.096
26	24.0	6	0.08	0.08	0.08	0.08	0.08	0.08	0.083
27	24.0	6	0.11	0.10	0.10	0.10	0.09	0.09	0.105
28	24.0	6	0.09	0.09	0.09	0.08	0.10	0.09	0.101
-29	24.0	6	0.09	0.09	0.09	0.11	0.08	0.08	0.106
30	24.0	6	0.08	0.08	0.08	0.09	0.08	0.08	0.085
100	0.0	0							0.000
Total	713.0	179			то	TAL # OF TURBIDITY	SAMPLES TAKEN	180	0.106
	YOU USING EITHI	ER CONVENTION slow sand)	AL or DIRECT FIL	TRATION? (Y/N	) <u>Y</u>	j	3		
Num	nber of samples e	xceeding>	0.1 NTU	5	0,3 NTU	0	1 NTU	0	4.0
	For slow sand fil	tration, the numb	er of samples ex	ceeding>	1 NTU	W. C.	5 NTU	·	== <b>=</b>
	E: The "Number the next whole no		oles Required" is	the number of h	ours the plant ope	rated divided by 4	rounded		
I cert	tify that the abov	e turbidity readi	ngs were taken	every 4 hours o	during plant opera	ation and in the ti	me frames note	ed above.	_
	Signature of Prince	cipal Executive Off	cer or Authorized	Agent		<del>-</del> 0	/ / Da	ate	-

	AF	PLICABLE TO ALL	SURFACE WATER F	LANTS WITH FILTRAT	ION con	
INDIVIDUAL FILT	ER TURBIDITY EX	(CEEDANCE REP	ORT			
PWS Name:	Mai	tin County Water Dis	trict			
PWS ID:	KY08	00273				
PLANT ID:		1				
Report Period (MM/YY)	<b>(</b> Y):	06/2	016			
	ded any one of the Summary Sheet eport(s).					PAGE 9 OF 11
		Turbidity Reading	Trigger Level (see	acting the attention of the	1	Date and Time
Date	Filter Number	(NTU)		Reason for Exceed	arice (if known)	State was Contacted
111			×			
34						
			*****			

## Trigger Levels:

- A. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart.
- B. Any one filter has a measured turbidity level of greater than 0.5 NTU in 2 consecutive measurements taken 16 minutes apart at the end of the first 4 hours of operation following a backwash or return to service.
- C. Any one filter has a measured turbidity level of greater than 1.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 3 consecutive months.
- D. Any one filter has a measured turbidity level of greater than 2.0 NTU in 2 consecutive measurements taken 15 minutes apart at any time in each of 2 consecutive months.

## Report Required:

For Trigger B.:

For Trigger A.: Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

Filter number, the turbidity measurement, the date of exceedance and filter profile within 7 days of the exceedance, if no

obvious reason for the exceedance

For Trigger C.: Filter number, the turbidity measurement, the date of exceedance and a filter self-assessment within 14 days of the

exceedance

For Trigger D.: Filter number, the turbidity measurement, the date of exceedance and arrange for a Comprehensive Performance Evaluation

(CPE) with the Drinking Water Branch no later than 30 days following the exceedance

MAKE COPIES AS NEEDED

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM

PWS ID	KY0800273			MONITORING	PERIOD (MMYYYY	06/2016	
-		NOTE: COMPLETE A	ALL APP	LICABLE FIELDSI POPULATED FO		HE FIELDS ARE	PRE-
Composition and the	And the second second	PLANTI	INFORMA			owie za zakonili w zakonili	SHEW.
		APPLICABL	E TO ALI	PLANTS		· · · · · · · · · · · · · · · · · · ·	
PLANT ID A				/ATER TREATED (ga		58,356,000	_
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I certify under penalty of law that I have personally examined and am familiar with the Information submitted herein. Based on my inquiry of those individuals Immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Signature of Prinicipal Executive Officer or Authorized Agent

07/08/2016 Date

# KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY080	00273	MONITORING PERIOD	(MMYYYY) 06/2016
AI 2987	NOTE: COMPLETE ALL	APPLICABLE FIELDS!!! NOT A	
		POPULATED FOR YOU!!	Continue 1 to 1
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TOTAL	120		
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Signature of Prinicipal Executive Officer or Authorized Agent

07/08/2016

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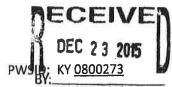
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# Patch III - Next page starts new Batch

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Document	ICMRSE
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# Kentucky Division of Water Operational Evaluation Reporting Form



Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" TTHM and HAA5 results for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAA5 levels and avoid non-compliance.

- Once 3 quarters of Stage 2 DBP data is available and every quarter from that time on, Page 1 of this form is to be used to
  determine if one or more of the compliance monitoring sites have exceeded the Operational Evaluation Levels (OEL) for
  TTHM and/or HAAS. Use additional pages as needed.
- If the calculated OEL for any site exceeds the MCL, you shall complete Page 2 and submit it to the State no later than 90 days following the end of the quarter. This report includes an examination of system treatment and distribution practices, including storage tank operations, excess storage capacity, distribution system flushing, changes in sources or source water quality, and treatment changes or problems that may contribute to TTHM and HAA5 formation and what steps could be considered to minimize future exceedances.
- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

Date of OEL Report: 12/11/15

Date of written approval for limited evaluation (if applicable):

		Results from <u>1st</u> Qtr. 20 <u>15</u> (Two Quarters Ago)	Results from <u>2nd</u> Qtr. 20 <u>15</u> (Previous Quarter)	Results from 3rd Qtr. 2015 (Current Quarter)	Operation Evaluation Level (OEL)	Check If Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page 2 and submit to
Site ID	Analyte	Α	В	С	D= (A+B+(2*C))/4	DOW
	ттнм	0.039	0.049	0.121	0.083	×
SM8	HAA5	0.099	0.057	0.056	0.067	
	ттнм	0.036	0.064	0.144	0.097	$\boxtimes$
SM7	HAA5	0.128	0.062	0.066	0.081	
- 4.0	ТТНМ	0.030	0.119	0.107	0.091	$\boxtimes$
118	HAA5	0.098	0.030	0.037	0.051	
	ттнм	0.044	0.054	0.109	0.079	
119	HAA5	0.078	0.056	0.057	0.062	
	ТТНМ				0,000	
	HAA5	330			0.000	
	TTHM				0.000	
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Sample Collection a	in nationing			
Were all TTHM and I	HAA5 samples collected and	handled using proper SOPs?	Yes 🛛 No 🗌	
Who collected the sa	amples? PWS 🔲	Contract Lab		
Did sample collection	on and handling factors cont	ribute to exceedance? Yes	☐ No ⊠	
Other/Explain:				
Source Quality				
Did source water qu	ality factors contribute to e	xceedance? Yes 💢	No 🗌	
(check@llfthat@pply	)			
Point or non-poi	int source contamination	Storage time longer than	normal	☐ Heavy Rainfall or snowmelt
New source place	ced on-line	Algae bloom in source w	ater	Lake or reservoir turnover
Stream flow rate	es/reservoir level higher	Stream flow rates/reserv	olr level lower	Long term drought
than normal		than normal		
Other/Explain:				
Treatment Change	e/Problems			
Did water treatmen	t factors contribute to exce	edance? Yes 🔀 No 🗌		
(check@il@hat@pply	)			_
Problem with cl	earwell operation	Increased filter effluent	turbidity	Filters operated beyond capacity
Abnormal influe	nt turbidity		ion problems	Excessive filter run-time
Abnormal influe	nt temperature	Abnormal flow rates/sho	ort-circuiting	☐ TOC removal problems
Pre-disInfectant	added/changed	Sludge blanket/carryove	r problems	Abnormal pH/Alkalinity
DisInfectant fee	d higher than normal			
Other/Explain:	_			
Distribution Syste	em			
Did distribution sys	tem factors contribute to ex	ceedance? Yes 🗌 No 💢		
(check@ilithat@pply	<b>'</b> )			
Flushing (routin	e or compliant)	Fires or hydraulic distur	oance	☐ Valves operated in vicinity
Disinfectant res	Idual lower than normal	High volume customer u	sage	☐ Breaks or line replacements
Disinfectant res	ldual higher than normal	■ Water temperature high	er than normal	Booster chlorination
Water quality at	t Master Meter exceeds MC	. 🔲 Low volume customer u	sage (contributing to	o high water age)
Other/Explain:				
Storage Tank Ope	rations			
Did water storage o	perations/factors contribut	e to exceedance? Yes 🔲	No 🛛	
(check@ll@hat@pply	<i>(</i> )			
Tank removed f	rom service	☐ Tank upstream from sar	nple site	Excessive storage capacity
☐ Tank cleaned/m	naintenance	Operated "last in –first of	out"	Excessive ambient temperature
Excessive tank of	draw-down	☐ Improper level fluctuation	ons	Disinfectant residual low in tank
Other/Explain:				
Additional Comm	ents			
				THE THE TAX IN THE COURSE
1				
				$C_1 = 0.0$
Completed By:	Earl T Alley		Plant Manager	Cost T. alley
	(Printed Name)		(Title)	(Signature)
		_ = = =		(Signature)  Date  12/17/15
Phone:	606-298-7439 ext	E-mail:	etalley47@bellsou	utn.net : /4/17/13
				(3)

Rev. December 2013

Page 2 of 2

# Division of Water Revised Total Coliform Rule Public Water System Information Form

Lobon
-
Total
Popul
Minin
Refere

Population Calculation & Minimum Number of Required Samples	Samples
Total # of all meters (enter the all meters for water system)	3551
Standard Calculation	X 2.69
Population	=9552
Minimum Number of Samples	# 10
Reference Total Coliform Frequency Chart on back for Min # of Samples	f Samples

Questions: If the answer is Yes to any question in this section, please continue to the next section to complete the appropriate		
information.	Yes	No
Will Public Water System use an alternate population method allowed by the regulation instead of standard calculation?		NO
Will Public Water System take more than the required minimum total coliform samples?		NO
Will Public System have alternate repeat sample site plan?	yes	

The additional samples that will be taken plus the minimum required samples is the total number used for compliance. Total number of Minimum Number of Samples Source Standard Calcutation Population Number 9552

PWS must attach/include alternative repeat sampling SOP and/or proposed alterative repeat sample site plan with this form.

samples

Signature Earl T. allen

Return completed form and supporting information and documents before September 30th 2015 to:

Division of Water

Compliance Technical Assistance Branch

200 Fair Oaks Lane 4th ATTN: Rodney Ripberger/RTCR

Frankfort, KY 40601





# TOTAL COLIFORM MONITORING FREQUENCY FOR PUBLIC WATER SYSTEMS SERVING MORE THAN 1,000 PEOPLE

Population Served	Minimum Number of Samples Per Month	Population Served	Minimum Number of Samples Per Month
0 to 1000	1	70,001 to 83,000	80
1,001 to 2,500	2	83,001 to 96,000	06
2,501 to 3,300	m	96,001 to 130,000	100
3,301 to 4,100	4	130,001 to 220,000	120
4,101 to 4,900	5	220,001 to 320,000	150
4,901 to 5,800	9	320,001 to 450,000	180
5,801 to 6,700	7	450,001 to 600,000	210
6,701 to 7,600	Φ.	600,001 to 780,000	240
7,601 to 8,500 -	6	780,001 to 970,000	270
8,501 to 12,900	10	970,001 to 1,230,000	300
12,901 to 17,200	15	1,230,001 to 1,520,000	330
17,201 to 21,500	20	1,520,001 to 1,850,000	360
21,501 to 25,000	25	1,850,001 to 2,270,000	390
25,001 to 33,000	30	2,270,001 to 3,020,000	420
33,001 to 41,000	FORE DEP. 40	3,020,001 to 3,960,000	450
41,001 to 50,000	50	3,960,001 or more	480
50,001 to 59,000	09		
59,001 to 70,000	70		





# Standard Operating Procedure Guidance for

# Selection of Alternate Repeat Monitoring RTCR Sites

Insert Water System Name
Insert Public Water System ID Number (PWSID)

Martin County Water District Ky0800273

East T. Albey Plant Manager 10/01/15

Prepared By: Insert Name/Title Date

John T. Mills General Manager 10/01/15

Approved By: Insert Name/Title Date

Approved By: Insert Name/Title Date

Effective Date: January 1, 2016

# 5.2 Repeat Sample Determination

- a. Samples must be collected within 24 hours of learning of a Total Coliform positive (TC+) routine sample result. At least three repeat samples must be collected and analyzed for Total Coliform.
  - One repeat sample must be collected from the same tap as the original sample.
  - One repeat sample must be collected upstream according to Section 5.3.
  - One repeat sample must be collected downstream according to Section 5.3.
- **b.** Systems must collect all repeat samples the same day.
- c. DOW may allow systems with a single service to collect the required set of repeat samples over a three day period or collect a larger volume in one or more sample containers as long as the volume collected is at least 300 ml.
- d. If a repeat sample is TC+, the sample must be analyzed for the presence of E. coli (EC).
- c. If any repeat TC+ sample is also EC+, then the EC+ sample result must be reported to DOW by the end of the day that the PWS is notified.
- f. If one or more repeat samples are positive, the PWS must continue to collect additional sets of repeat samples, at the same three sites, until all samples in a set are coliform absent or an assessment has been triggered and DOW has been notified.
- g. A routine sample, within the five service connections of the initial routine sample, that was collected after an initial routine sample, but before the system learns of the initial routine sample being TC+, may be counted as a repeat sample instead of a routine sample.

# 5.3 Determining Repeat Sample Collection Upstream and Downstream

# Step 1: Sites Within Five Service Connections

Locations must be representative of the distribution system and within 5 service connections of the original TC positive sample. If these locations are not available, proceed to Step 2.

# Step 2: Sites Outside Five Service Connections

The PWS must select an alternative repeat monitoring location that better represents the location of the contamination into the distribution system. In the area of the original TC+, use the following list to determine the locations that are expected to better identify pathways of contamination in the distribution system. This procedure is outlined below.

- a. Allocate sample locations along the same path of water flow through the system at active locations.
- b. Locate sampling points near hospitals, hospices, schools, day cares, and acute care facilities.
- c. Allocate sampling locations to each major land use area.
- d. Allocate sampling locations to account for presence of dead ends.
- e. Allocate sampling locations to each major service area or pressure zone.
- f. Allocate sampling locations to each major area of different pipe material and/or oldest area of the system.
- g. Allocate sampling locations throughout service areas according to the population distribution.

1. Background

The Revised Total Coliform Rule (RTCR) 40 CFR Subpart Y (141.851 through 141.861) sets forth the requirements for Total Coliform and E. coli monitoring for all Public Water Systems. The RTCR purpose is to increase public health protection through the reduction of potential pathways of entry for fecal contamination into distribution systems.

Public Water Systems (PWS) must develop a written sample site plan that includes all the sample locations, including routine and repeat monitoring locations required to comply with the requirements set by the RTCR. The written sample site plan is subject to review and revision by the Kentucky Division of Water (DOW). However, PWS have two (2) options to comply with the repeat monitoring locations in accordance 40 C.F.R. 141.853(a)((5)(i).

(1) Add fixed locations for the repeat samples on the sample site map; or

(2) Submit a Standard Operating Procedure (SOP) for selecting alternate repeat monitoring locations for approval. PWSs can choose to use this approved SOP Guidance rather than develop their own.

2. Purpose

The purpose of this document is to set the guidelines for sample site determination of repeat sample locations required by the RTCR.

3. Scope

This procedure applies to all community and non-community water systems under the RTCR.

4. Responsibilities

Public Water Systems are responsible for determining adequate sample locations that will be representative of the area of origin of the initial positive total coliform sample. It is also the responsibility of the PWS to follow the specifications within this Standard Operating Procedure for determination of repeat sample locations.

## 5. Procedure

If a State PWS follows the requirements set forth in this DOW SOP for the selection of repeat sample locations, the repeat sample locations are not required to be fixed locations on the sample site plan. The system can focus on the extent of the contamination in the distribution system by determining locations specific to the situation.

5.1 Routine Sampling Requirements

Total coliform samples locations for routine sample must be collected at sites which are representative of the water quality throughout the distribution system according to the system's sample site plan. The number of sampling locations required and the selection of these locations is not in the scope of this SOP but is covered in 40 CFR 141.853.

- h. Locate sampling points near and away from system storage facilities.
- i. Locate sample points in both high and low demand areas.

# 6. Compliance Determination

All routine and repeat samples are used in the determination of compliance for the month.

# 7. Training

Personnel who are responsible for the collection of the repeat samples should have training prior to the collection of the samples.

# 8. Records

Chain of Custody sheets, water quality field data, and RTCR results should be documented and maintained in the records of the PWS. RTCR Results must be submitted to DOW within 10 days following the end of the month. When reporting repeat samples (RP) on the State Reports each of the RP samples must reference the laboratory sample number of the original positive routine sample. When reporting a set of RP samples, the RP sample taken from the original total coliform positive site must be reported with the same sampling point identified on the original positive routine sample. The pre-defined generic sampling points RPU and RPD should be used to identify the upstream and downstream repeat sampling points respectively.

# Division of Water Revised Total Coliform Rule Public Water System Information Form

	Pop
PWSID: KY 0800273	
Name: Martin County Water District	Tota
Address: 387 East Main Street, Suite 140	
City/State/Zip: Incz Ku 4/224	Рор
County: Mart:a	
Contact Person: John M:115	
Phone Number: 606-298-3885	Min
Email: im: 1/5 @ bell south, net	Refe

Population Calculation & Minimum Number of Required Samples	Samples
Total # of all meters (enter the all meters for water system)	3551
Standard Calculation	X 2.69
Population	C220=
	3
Minimum Number of Samples	± ,0
Reference Total Coliform Frequency Chart on back for Min # of Samples	f Samples

Questions: If the answer is Yes to any question in this section, please continue to the next section to complete the appropriate	_	
information.	Yes	No
Will Public Water System use an alternate population method allowed by the regulation instead of standard calculation?		NO
Will Public Water System take more than the required minimum total coliform samples?		NO
Will Public System have alternate repeat sample site plan?	yes	

The additional samples that will be taken plus the minimum required samples is the total number used for compliance. Total number of Minimum Number of Samples Source Standard Calcutation Population Number 9552 samples

PWS must attach/include alternative repeat sampling SOP and/or proposed alterative repeat sample site plan with this form.

Signature Earl T. alluy Date 10

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Division of Water

Compliance Technical Assistance Branch

200 Fair Oaks Lane 4th ATTN: Rodney Ripberger/RTCR

Frankfort, KY 40601



OC

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4,101 to 4,900	ın	220,001 to 320,000	150
4,901 to 5,800	9	320,001 to 450,000	180
5,801 to 6,700	7	450,001 to 600,000	210
6,701 to 7,600	00	600,001 to 780,000	240
7,601 to 8,500	6	780,001 to 970,000	270
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12,901 to 17,200	15	1,230,001 to 1,520,000	330
17,201 to 21,500	20	1,520,001 to 1,850,000	360
21,501 to 25,000	25	1,850,001 to 2,270,000	330
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33,001 to 41,000	28.2.40	3,020,001 to 3,960,000	450
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50,001 to 59,000	09		
59,001 to 70,000	200		





# Standard Operating Procedure Guidance for

# Selection of Alternate Repeat Monitoring RTCR Sites

Insert Water System Name
Insert Public Water System ID Number (PWSID)

Markin County Water District Ky0800273

East T. Alby Plant Manager 10/01/15

Prepared By: Insert Name/Title Date

John T. Mills General Manager 10/01/15

Approved By: Insert Name/Title Date

Approved By: Insert Name/Title Date

Effective Date: January 1, 2016

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- f. If one or more repeat samples are positive, the PWS must continue to collect additional sets of repeat samples, at the same three sites, until all samples in a set are coliform absent or an assessment has been triggered and DOW has been notified.
- g. A routine sample, within the five service connections of the initial routine sample, that was collected after an initial routine sample, but before the system learns of the initial routine sample being TC+, may be counted as a repeat sample instead of a routine sample.

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2. Purpose

The purpose of this document is to set the guidelines for sample site determination of repeat sample locations required by the RTCR.

3. Scope

This procedure applies to all community and non-community water systems under the RTCR.

4. Responsibilities

Public Water Systems are responsible for determining adequate sample locations that will be representative of the area of origin of the initial positive total coliform sample. It is also the responsibility of the PWS to follow the specifications within this Standard Operating Procedure for determination of repeat sample locations.

# 5. Procedure

If a State PWS follows the requirements set forth in this DOW SOP for the selection of repeat sample locations, the repeat sample locations are not required to be fixed locations on the sample site plan. The system can focus on the extent of the contamination in the distribution system by determining locations specific to the situation.

5.1 Routine Sampling Requirements

Total coliform samples locations for routine sample must be collected at sites which are representative of the water quality throughout the distribution system according to the system's sample site plan. The number of sampling locations required and the selection of these locations is not in the scope of this SOP but is covered in 40 CFR 141.853.

- h. Locate sampling points near and away from system storage facilities.
- i. Locate sample points in both high and low demand areas.

# 6. Compliance Determination

All routine and repeat samples are used in the determination of compliance for the month.

# 7. Training

Personnel who are responsible for the collection of the repeat samples should have training prior to the collection of the samples.

# 8. Records

Chain of Custody sheets, water quality field data, and RTCR results should be documented and maintained in the records of the PWS. RTCR Results must be submitted to DOW within 10 days following the end of the month. When reporting repeat samples (RP) on the State Reports each of the RP samples must reference the laboratory sample number of the original positive routine sample. When reporting a set of RP samples, the RP sample taken from the original total coliform positive site must be reported with the same sampling point identified on the original positive routine sample. The pre-defined generic sampling points RPU and RPD should be used to identify the upstream and downstream repeat sampling points respectively.

# Kentucky Division of Water Operational Evaluation Reporting Forn

MAR 0 9 2016
PWSID: KY 380

Facility Name: Martin County Water District

The Stage 2 Operational Evaluation Level (OEL) process is used to "predict" TTHM and HAA5 results for the next compliance period. It provides a water system with a process for evaluating their entire system to identify ways to reduce future TTHM and HAA5 levels and avoid non-compliance.

- Once 3 quarters of Stage 2 DBP data is available and every quarter from that time on, Page 1 of this form is to be used to
  determine if one or more of the compliance monitoring sites have exceeded the Operational Evaluation Levels (OEL) for
  TTHM and/or HAA5. Use additional pages as needed.
- If the calculated OEL for any site exceeds the MCL, you shall complete Page 2 and submit it to the State no later than 90 days following the end of the quarter. This report includes an examination of system treatment and distribution practices, including storage tank operations, excess storage capacity, distribution system flushing, changes in sources or source water quality, and treatment changes or problems that may contribute to TTHM and HAA5 formation and what steps could be considered to minimize future exceedances.
- Unless the State has issued a written approval limiting the scope of the operational evaluation, Page 2 should be entirely completed.

Date of OEL Report: 03/03/16

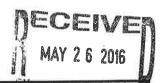
Date of written approval for limited evaluation (if applicable): ___

		Results from <u>2nd</u> Qtr. 20 <u>15</u> (Two Quarters Ago)	Results from <u>3rd</u> Qtr. 20 <u>15</u> (Previous Quarter)	Results from 4th Qtr. 20 <u>15</u> (Current Quarter)	Operation Evaluation Level (OEL)	Check If Column D Exceeds 0.080 mg/L for TTHMs or 0.060 mg/L for HAA5—If so, complete Page 2
Site ID	Analyte	А	В	С	D= (A+B+(2*C))/4	and submit to DOW
	ттнм	0.049	0.121	0.098	0.092	
SM8	HAA5	0.057	0.056	0.058	0.057	
	ттнм	0.064	0.144	0.101	0.103	
SM7	HAA5	0.062	0.066	0.038	0.051	
110	ттнм	0.119	0.107	0.145	0.129	$\boxtimes$
118	HAA5	0.030	0.037	0.045	0.039	
440	ттнм	0.054	0.109	0.082	0.082	$\boxtimes$
119	HAA5	0.056	0.057	0.052	0.054	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0,000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5				0.000	
	ттнм				0.000	
	HAA5		7		0.000	
	ттнм				0.000	
	HAA5				0,000	
	ТТНМ				0,000	
	HAA5				0.000	

Sample Collection and F	ianding		
Were all TTHM and HAA	5 samples collected and	handled using proper SOPs? Yes 🔀 No 🗌	
Who collected the samp	•	Contract Lab 🛛	
		tribute to exceedance? Yes No 🖂	
Other/Explain:			
Source Quality			
Did source water quality	y factors contribute to	exceedance? Yes 🔀 No 🔲	
(check@llithat@pply)			
Point or non-point s	ource contamination	Storage time longer than normal	Heavy Rainfall or snowmelt
New source placed of	on-line	Algae bloom in source water	Lake or reservoir turnover
Stream flow rates/re	eservoir level higher	Stream flow rates/reservoir level lower	Long term drought
than normal		than normal	
Other/Explain:			
Treatment Change/Pr	roblems		No.
Did water treatment fac	ctors contribute to exce	edance? Yes 💢 No 🗌	
(check@llfthat@pply)			
Problem with clearw	vell operation	Increased filter effluent turbidity	Filters operated beyond capacity
Abnormal influent to	urbidity	Coagulation/sedimentation problems	Excessive filter run-time
Abnormal Influent to	emperature	Abnormal flow rates/short-circuiting	TOC removal problems
Pre-disInfectant add	led/changed	Sludge blanket/carryover problems	Abnormal pH/Alkalinity
Disinfectant feed high	gher than normal		
Other/Explain: F:/fer	+ #6 needs re	pair work and new media.	
Distribution System			
Did distribution system	factors contribute to ex	cceedance? Yes 🛛 No 🗌	
(check@llfthat@pply)			
Flushing (routine or	compliant)	Fires or hydraulic disturbance	☐ Valves operated in vicinity
☐ Disinfectant residua	I lower than normal	High volume customer usage	🔀 Breaks or line replacements 🐇
☐ Disinfectant residua	l higher than normal	Water temperature higher than normal	■ Booster chlorination
☐ Water quality at Ma	ister Meter exceeds MC	L Low volume customer usage (contributing t	o high water age)
Other/Explain:			
Storage Tank Operati	ions		
Did water storage opera	ations/factors contribu	te to exceedance? Yes 🔲 No 🔀	
(check@ll@hat@pply)			
☐ Tank removed from	service	Tank upstream from sample site	Excessive storage capacity
☐ Tank cleaned/maint	tenance	Operated "last in –first out"	Excessive ambient temperature
Excessive tank draw	v-down	☐ Improper level fluctuations	Disinfectant residual low in tank
Other/Explain:			
Additional Comments	S		2
			61-411
Completed By:	Earl T Alley	Plant Manager	(Signature)  Date  uth.net : 3/4/16
	(Printed Name)	(Title)	(Signature)
			Date
Phone:	606-298-7439 ext	5 E-mail: etalley47@bellso	utn.net : 3/4/16

Rev. December 2013

Page 2 of 2



ID	SE Report for Sta	ndard Monitoring	Page 8 of 10
٧.	PEAK HISTORICAL MONTH	AND STAGE 2 DBPR COMPLIANCE	Total Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the
•••	MONITORING SCHEDULE	Control of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
A.	Peak Historical Month*	August	KY0800273
В.	Is Your Peak Historical Mon Monitoring Plan?	nth the Same as in Your IDSE Standard	d
	xYesNo		
	If no, explain how you select additional sheets if needed)	cted your new peak historical month (	attach
			:
	A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR		

# C. Proposed Stage 2 DBPR Compliance Monitoring Schedule*

Stage 2 Compliance	Pr	ojected Sampling [	Date (date or week	x) ¹
Monitoring Site ID	period 1	period 2	period 3	period 4
SM7	2 / 2016 4th week	5 / 2016 4th week	8 / 2016 4th week	11 / 2016 4th week
SM8	2 / 2016 4th week	5 / 2016 4th week	8 / 2016 4th week	11 / 2016 4th week

¹ period = monitoring period. Complete for the number of monitoring periods from Section II.C.

Attach additional copies of this sheet if you need more room.

Martin County Water

Stage 2 Sites Water Plant 5M8-Calf Creek

# MARTIN COUNTY UTILITY BOARD

387 East Main Street Suite 140 INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913 Fax

May 20, 2016

Kentucky Division of Water ATTN: Kellee Husband, Stage 2 DBP Rule Compliance & Technical Assistance Section 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

> RE: IDSE Change PWSID: KY0800273

Dear Mr. Chitti,

In accordance with 401 KAR 8:510 and 40 CFR 141.621 Martin County Water District respectfully requests that their monitoring requirement be reduced to 2 samples per quarter. The change is being requested because Martin County's population has fallen below 10,000 customers. Please find a revised page 8 for the IDSE, enclosed page 8.

Your approval and processing of these documents is greatly appreciated. We are scheduled to collect our routine samples next week. If you have any questions, please contact me at

Sincerely,

Earl T. Alley, Chief Treatment Operator

Martin County Water District

Patch III – Next page starts new Batch

DEMS
MAY 2 7 2016
RECEIVED

Agency Interest Number:	2987	
Program Code:	03	38
Received Date:	5/2/0/10	
Document Description	TCMRSE	
Functional Area Code:	287	9

Batch Name: 8	Operator
Prepared:	Operator
Scanned:	Operator Rescan Required:
Quality Check:	Operator
Rescanned:	Operator
Indexed:	Operator
DePrep:	Operator

	Duplex (2-sided)	
· · · · · · · · · · · · · · · · · · ·	Color pages	
	11 x 17 pages	
	81/2 x 14 (legal)	
	Other	

NAME:	Martin Co. Water District
COUNTY:	Martin
PWSID:	KY0800273
AI:	2987
Rated Design Capacity	
(dbm):	1,667
Rated Design Filtration Rate	
(gpm/ft²):	2.66
Number of Filters:	4
Area per Filter (ft²):	313
Total Area of Filters (ft²):	1,251
Source:	Curtis Crum Reservoir & Tug River
Allowable Draw (gpd):	2,000,000

Notes:	Notes: Currently none of the cells are locked. You can safely delete data
	without messing up the formatting, by hitting delete, backspace,
	orselecting the cells, right clicking, and then choosing 'Clear
	Contents. You can paste data straight in from another source, but,
	don't cut & paste cells or otherwise move them around in the data
	entry area. It messes up the cell references on later sheets when
	Excel tries to do calculations. The tabs that are colored light blue
	are the only worksheets you will need to enter information into.
	Data you enter will be automatically transferred to the other
	worksheets for calculation. (Formulas for calculations have been
	prefilled into the other worksheets.) Headings for rows/columns
	where you need to enter data are colored light grey, the others are
	white. Comments are listed on cells giving instructions and
	directions for where to find needed data. Although this workbook is
	designed to be as automatic as possible, you will still need some
	knowledge of Excel.

E - 0		Number of						
		Days	Total	Average Daily			Length of Plant	
		Operated per	Production	Production	Peak Production		Operation on Peak	Average Length of Plant
Year	Month	Month	(gal)	(pdb)	(pdb)	Peak Day	Day (hr)	Operation per Day (hr)
2013	February	28	53,998,000	1,928,500	1,989,000	7	24.0	23.7
2013	March	31	59,361,000	1,914,871	2,000,000	23	24.0	23.2
2013	April	30	56,784,000	1,892,800	2,012,000	19	24.0	23.0
2013	May	31	59,506,000	1,919,548	1,982,000	-	24.0	23.6
2013	June	30	57,449,000	1,914,967	1,967,000	5	24.0	23.6
2013	July	31	57,272,000	1,847,487	1,907,000	-	24.0	23.9
2013	August	31	57,960,000	1,869,677	1,947,000	31	24.0	23.6
2013	September	30	56,480,000	1,882,667	1,977,000	10	24.0	23.5
2013	October	31	55,864,000	1,802,065	1,887,000	2	24.0	23.4
2013	November	30	54,378,000	1,812,600	1,984,000	30	24.0	22.6
2013	December	31	59,649,000	1,924,161	1,976,000	10	24.0	23.8
2014	January	31	61,153,000	1,972,677	2,052,000	18	24.0	23.9

# ENERGY AND ENVIRONMENT CABINET KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER

# **Routine Surface Inspection**

Site/Permit ID: 0800273	ffice: Hazard					
Site Name: MARTIN CO. WA	TRICT.	Program: <b>Drinking Water</b>				
Site Address: HC69 Box 875			X=			
City: INEZ State			Zip: 41224	Count	y: Martin	
Inspection Type: Routine Surfa	ace	Purpo	se: Comprehensi	ive	AI #: 2987	
Inspection Date: 9/23/13			Time: Start 9.45 AM End 10.55 AM			
Latitude: 37 52 20.3			Longitude: 82 31 09.8			
Coordinate Collection Method: G40-Handheld			receiver Revision Code: 112108			
		Drinking	Water Data			
Plant Name: MARTIN CO.	Contact N	Jame: Justin	Blackburn			
WATER DISTRICT						
Phone No.: 606-298-3885	Fax No:			Email Ad	dress:	

# I. Administrative Requirements

# **Comments:**

I. Compliance Status - Not Evaluated

# II. Operator Certification/Accreditation Requirements

Operator in Charge or on duty.

Operator Name	Plant Certification #	Distribution Certification #
Tom Alley	0716	
Mike Sartin		09709

# **Comments:**

II. Compliance Status - Not Evaluated

# III. Record Keeping Requirements

# **Comments:**

III. Compliance Status - No violations observed

# IV. Reporting Requirements

#### **Comments:**

# IV. Compliance Status - No violations observed

V. Operation & Maintenance/Performance Requirements				
Plant Type: C N P Service Connections:3100 Population Served:10,246				
Average Production MGD: 1.6 Max. Production MGD: 1.9 Design Capacity MGD: 2.0				
Source: Tug Fork and Reservoir				

RATING CODES: S1=No Violations Observed; S2=No Violations Obs-but impending viol trends obs; U1=Out of Compliance-No action taken; U2= Out of Comp-LOW non-recurrent Adm. or O & M; U3= Out of Compliance-NOV; NA = Not Applicable; NE = Not Evaluated. (Add additional comments if U1-U3.)

	RATING	Equipment / Inspection Data	Checking block means item is present:
	S1	a) Intakes, pumps, piping	# Of Levels # Pumps2 Max pump.1440
		b) Aeration	
	SI	c) Rapid mix 🛛	Type: Mechanical paddle If other:
CHEMICAL	S1	d) Flocculation 🖂	# of Stages 1 # of Trains 2 Variable Speedyes
& PHYSICAL	S1	e) Sedimentation 🖂	Type: Up flow # of trains:2
TREATMENT	S1	f) Chemical feed coagulation	Polyaluminum Cl/SO4
		g) Carbon Feed:	Feed Site 1: Feed Site 2:
	S1	h) Filters & controls	Dual Media Filter to Waste 🗵
	S1	i) Filters / size sq.ft each./ rate	# 4 Size245 Filtration Rate:2
	S1	i) Automatic analyzers:	Chlorine: Turbidity: Each filter: ph:
	SI	k) Chemical storage:	Dry on pallets?  Chemical containment:
	S1	1) Clearwell / screened vents	Size:100,000 Baffling: Locked Screened S
	SI	m) Pumps # and size in gpm	High Service2 @ 1400 Backwash 1 @ 2600
SITE DATA	S1	n) Site Data: Sewer Plant	Cl. Free:1.24 Total: pH:
	S1	o) Site Data: Speedway	Cl. Free: 1.40 Total: pH:
		p) Site Data:	Cl. Free: Total: pH:
		q) Site Data:	Cl. Free: Total: pH:
	SI	r) Disinfection Pre: Post:	Pre Type: Chlorine gas Post type:
	S1	s) Automatic chlorinator	Automatic changeover N Proper Fan
DISINFECTION	S1	t) Separate room & ventilation	Crash Bar 🛛 Alarm 🖂
	S1	u) Safety equipment	SCBA Ammonia Detector
	S1	v) Laboratory equipment	Adequate Space  Equipment  Lighting :
LABORATORY	S1	(1) Turbidimeter 🛛	Type: hach Last calibrated: daily
&	S1	(2) Adequate reagent supply	X Yes ☐ No
RECORDS	S1	(3) Chlorine Test Kit 🔀	Type: lamotte DPD reagent up-to-date: X Y N
	S1	w) Monthly operating reports	Daily Record Sheet Agreement:
	S1	x) Housekeeping	
	S1	y) Master meter; Recorder	Raw: Finished: Raw: Finished:
DISTRIBUTION		z) Blowoffs / hydrants; flushing	Flushing Schedule: Blowoffs on deadends:
	S1	aa) Water storage:	# of Tanks 16 Total Storage: 3 million
		bb) Booster pumps / chlorinators	Booster pumps: Booster chlorinators:
PLANT	S1	cc) Plant Data:	Cl free: 1.66 total: pH:
ON	S1	dd) Turbidity	Raw: Settled: Combined Filter:0.07
SITE		ee) Bacteriological monitoring	Samples per mo. Records:
OBSERVATION	S1	ff) No cross-connections observed	None observed: Observed: Program:
		gg) Wastewater discharge	KPDES Is sizing adequate? Yes No

Comments:							
V. Compliance Status - No violation	ns observed						
VI. Discharge/Emission Complianc	e						
Comments:							
VI. Compliance Status - No violation	ons observed						
VII. Monitoring/Analyses Evaluation	on						
Comments:  VII. Compliance Status - No violation	ons observed						
VIII. Environmental /Health Impa	ct						
Work Site Hazard Assessment:		X ATTACHED	⊠ REVIEWED				
Comments:							
VIII. Compliance Status – No violat	ions observed						
IX. Documentation							
<ul> <li>Samples taken by DEP</li> <li>Samples taken by outside source</li> <li>Instrument readings taken by DEP regional office</li> <li>Photographs obtained by DEP</li> <li>Copies of records obtained by DEP</li> <li>Other documentation</li> </ul>							
Inspector: Robert D. Back	Title: Environmental Insp	pector III	<b>Date:</b> 09/23/13				
Signature:							

Signature:

E-Signed by Robert Back
VERIFY authenticity with Approved

Overall Compliance Status

No violations observed

No violations observed, but impe	ending violation trends observed	
Out of Compliance- No action tal	ken	
Out of Compliance LOW non-red	current administrative or O & M	
Out of Compliance - NOV		
Comments:		
Delivery Method: Regular Mail	Cert. Mail #:	



STEVEN L. BESHEAR GOVERNOR LEONARD K. PETERS SECRETARY

#### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water 233 Birch St Hazard, KY 417012115 www.kentucky.gov

September 26, 2013

Martin Co Water District 14 Flat Hollow Inez, Kentucky 41224

RE:

Martin Co Water District -- 2987

Permit No.: KY0800273 Martin County, Kentucky Activity ID: CIN20130002

Dear Martin Co Water Dist:

Attached for your information and records is a copy of the DW Comp-Surface performed at Martin Co Water District on September 23, 2013.

If you have any questions or comments concerning this inspection, please contact the Hazard Regional Office at: (606) 435-6022.

Sincerely,

E-Signed by Robert Back VERIFY authenticity with Approveit

Robert Back Environmental Inspector Hazard Regional Office Division of Water

RB

Enclosure:



# ENERGY AND ENVIRONMENT CABINET KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER

# **Routine Surface Inspection**

Site/Permit ID: 0800273	Water		Regional O	ffice: Hazard	
Site Name: MARTIN CO. WATER	Γ.	Program: Drin	iking Water		
Site Address: HC69 Box 875					
City: INEZ State		e: KY	Zip: 41224	Count	y: Martin
Inspection Type: Routine Surface	Purpose:	Comprehensiv	'e	AI #: 2987	
Inspection Date: 12/18/13			: Start 9.00 AM End 9.45 AM		
Latitude: 37 52 20.3	Longitu	Longitude: 82 31 09.8			
Coordinate Collection Method: G40	)-Handheld	receiver Revision Code: 112108			on Code: 112108
	Dri	inking W	ater Data		
Plant Name: MARTIN CO. Cor	tact Name:	Tom Alle	y		
WATER DISTRICT			•		
Phone No.: 606-298-3885 Fax No:				Email Add	dress:

# I. Administrative Requirements

#### **Comments:**

I. Compliance Status - Not Evaluated

# II. Operator Certification/Accreditation Requirements

Operator in Charge or on duty.

Operator Name	Plant Certification #	Distribution Certification #
Tom Alley	0716	
Mike Sartin		09709

#### **Comments:**

II. Compliance Status - Not Evaluated

# III. Record Keeping Requirements

#### **Comments:**

III. Compliance Status - No violations observed

# IV. Reporting Requirements

#### **Comments:**

# IV. Compliance Status - No violations observed

V. Operation & Maintenance/Performance Requirements	
Plant Type: C N P Service Connections:3100 Population Served:10,246	
Average Production MGD: 1.6 Max. Production MGD: 1.9 Design Capacity MGD: 2.0	
Source:Tug Fork and Reservoir	

RATING CODES: S1=No Violations Observed; S2=No Violations Obs-but impending viol trends obs; U1=Out of Compliance-No action taken; U2= Out of Comp-LOW non-recurrent Adm. or O & M; U3= Out of Compliance-NOV; NA = Not Applicable; NE = Not Evaluated. (Add additional comments if U1-U3.)

	RATING	Equipment / Inspection Data	Checking block means item is present:
	S1	a) Intakes, pumps, piping 🔀	# Of Levels # Pumps2 Max pump.1440
		b) Aeration	
	SI	c) Rapid mix 🖂	Type: Mechanical paddle If other:
CHEMICAL	S1	d) Flocculation	# of Stages1 # of Trains2 Variable Speedyes
& PHYSICAL	S1	e) Sedimentation 🖂	Type: Up flow # of trains:2
TREATMENT	S1	f) Chemical feed coagulation	Polyaluminum Cl/SO4
		g) Carbon Feed:	Feed Site 1: Feed Site 2:
	SI	h) Filters & controls	Dual Media Filter to Waste 🛛
	S1	i) Filters / size sq.ft each./ rate	# 4 Size245 Filtration Rate:2
	SI	j) Automatic analyzers:	Chlorine: X Turbidity: X Each filter: X pH:
	S1	k) Chemical storage:	Dry on pallets?  Chemical containment:
	S1	l) Clearwell / screened vents	Size:100,000 Baffling: Locked Screened S
	S1	m) Pumps # and size in gpm	High Service2 @ 1400 Backwash 1 @ 2600
SITE DATA	S1	n) Site Data: Sewer Plant	Cl. Free:1.40 Total: pH:
	S1	o) Site Data: Speedway	Cl. Free:1.51 Total: pH:
		p) Site Data:	Cl. Free: Total: pH:
		q) Site Data:	Cl. Free: Total: pH:
	S1	r) Disinfection Pre: Nost:	Pre Type: Chlorine gas Post type:
	S1	s) Automatic chlorinator 🖂	Automatic changeover  Proper Fan
DISINFECTION	S1	t) Separate room & ventilation	Crash Bar 🛛 Alarm 🖂
	S1	u) Safety equipment	SCBA Ammonia Detector
	SI	v) Laboratory equipment	Adequate Space X Equipment X Lighting : X
LABORATORY	S1	(1) Turbidimeter 🛛	Type: hach Last calibrated: daily
&	S1	(2) Adequate reagent supply	X Yes ☐ No
RECORDS	S1	(3) Chlorine Test Kit 🖂	Type: lamotte DPD reagent up-to-date: XY N
	S1	w) Monthly operating reports	☐ Daily Record Sheet ☐ Agreement: ☐
	SI	x) Housekeeping	
	S1	y) Master meter; Recorder	Raw: Finished: ; Raw: Finished:
DISTRIBUTION		z) Blowoffs / hydrants; flushing	Flushing Schedule: Blowoffs on deadends:
	SI	aa) Water storage:	# of Tanks 16 Total Storage: 3 million
		bb) Booster pumps / chlorinators	Booster pumps: Booster chlorinators:
PLANT	S1	cc) Plant Data:	Cl free: 1.69 total: pH:
ON	S1	dd) Turbidity	Raw: Settled: Combined Filter: 0.06
SITE		ee) Bacteriological monitoring	Samples per mo. Records:
OBSERVATION	S1	ff) No cross-connections observed	None observed: Observed: Program:
		gg) Wastewater discharge	KPDES Is sizing adequate? Yes No

V.	V. Compliance Status - No violations observed						
VI.	Discharge/Emission Complianc	e					
Com	nments:						
VI.	Compliance Status - No violation	ons observed					
VII	I. Monitoring/Analyses Evaluation	on					
Con	nments:						
VII.	Compliance Status - No violation	ons observed					
VI	II. Environmental /Health Impa	ct					
Wo	ork Site Hazard Assessment:			⊠ REVIEWED			
Con	nments:						
VIII	I. Compliance Status – No violat	ions observed					
IX.	Documentation						
	Samples taken by DEP Samples taken by outside source Instrument readings taken by I Photographs obtained by DEP Copies of records obtained by I Other documentation	DEP regional office					
Ins	spector: Robert D. Back	Title: Environmental	Inspector III	<b>Date:</b> 12/23/13			
Services.	E-Signed by Robert Back FRIFY authenticity with Approved						

**Comments:** 

Overall Compliance Status

No violations observed

No violations observed, but impe	ending violation trends observed	
Out of Compliance- No action tal	ken	
Out of Compliance LOW non-re	current administrative or O & M	
Out of Compliance - NOV		
Comments:		
Delivery Method: Regular Mail	Cert. Mail #:	

PUMP STATION INDEX				
NO.	NAME	GPM	ELEV.	
P1A	KY 40 E	670	660	
P2A	BIG ELK	240	720	
P3A	BONE HOLLOW	40	690	
P4A	KY 292 SOUTH	130	680	
P5B	TURKEY	90	-	
P6B	KY 40 W	420	630	
P7B	CALLOWAY	90	650	
P8B	MIDDLE FORK	245	650	
P9B	KY 645	90	680	
P10B	PETER CAVE	130	700	
P11B	BUFFALO HORN	60	800	
P12B	DAVELLA ROAD	350	700	
P13A	CASSELL BRANCH	30	640	
P14A	BIG LICK BRANCH	30	680	
P15B	MEATHOUSE BRANCH	25	800	

# Neal, Russell (EEC)

Sent: To: Subject: From:

etalley47 [etalley47@bellsouth.net] Friday, September 05, 2014 10:00 AM Neal, Russell (EEC) Sanitary Survey Reply

Dear Mr. Neal,

In reply to Martin County Waters 2014 Sanitary Survey in which the activated carbon feed system was not operational. As of June 17, 2014, CI Thornburgh Co. out of Huntington West Virginia set up a liquid activated carbon feed system called Thorn Sorb. We are pleased to advise you that this situation has been addressed and resolved.

Water Plant Manager Earl T Alley Sincerely,



STEVEN L. BESHEAR GOVERNOR LEONARD K. PETERS SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT KENTUCKY 40601
www.kentucky.gov
May 23, 2014

John Mills Martin Co Water District 387 E Main St Ste 140 Inez, KY 41224

> RE: AI: 2987 PWSID: KY0800273 Drinking Water Sanitary Survey

Dear Mr. Mills:

The Division of Water conducted a Drinking Water Sanitary Survey (attached) of Martin Co Water District on April 7 and 29, 2014. A Capacity Development assessment was done as part of the survey.

Non Significant (written response within 90 days must address deficiencies as resolved or provide a corrective action plan; August 21, 2014)

• The activated carbon feed system was not operational at the time of the inspection. The feeder is in place but not functioning.

#### The Division Recommends:

- Acquiring a certified technician to test backflow prevention devices.
- Performing an annual review to determine if rates fully cover the expense of water treatment and distribution.
- Reducing water loss to at least the industry standard of 15%.
- Updating the Emergency Response Plan.
- Maintaining copies of the Operation and Maintenance (O&M) Manual in locations other than the water treatment plant office.

All deficiency responses should be sent to the attention of Russell Neal, Compliance and Technical Assistance Branch, Division of Water, 200 Fair Oaks Lane, 4th Floor, Frankfort, KY 40601 (phone 502-564-3410, extension 4969).



Assistance with the "Managerial and Financial Assessment" section of the sanitary survey for Martin Co Water District can be obtained by contacting Byron Bland at 502-564-3410 extension 4840.

If you have any questions regarding the "Technical Inspection" portion, contact Robert Back in the Hazard Regional Office at 606-435-6022.

Sincerely,

Russell Neal

Sanitary Survey Coordinator

Division of Water

C: Hazard Regional Office

# KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER

# **Drinking Water Sanitary Survey**

Managerial and Financial Assessment of Surface Water & Ground Water Systems

PWS ID: KY0800273

Agency Interest Number: 2987

Al Name: Martin County Water District

**County: Martin** 

Regional Office: Hazard

Capacity Development Inspection Date(s): April 9, 2014

	SYSTEM	/ CONTA	CT INFO	ORMA'	TION		
Full Name: John Mills				Title: General Manager			
Phone Number: 606-298-3885 FAX Number: 606-298-4913				E-Mai	l Address:	jmills@bellso	uth.net
Mailing Address: 387 East main S Physical Address of Office: 387 E	0	City:	Inez		State: KY	Zip Code: KY	
	WATER TRE	ATMENT	PLANT	INFO	RMATION	1	
Plant Contact Person: Tom Alley	Title:	Opera	tor		Phone N	umber: 606-298-7439	
Physical Street Address: 14 Flat	Hollow				City: Inez		
Plant Type: C (community)	Plant Class: III (500,	,000-3,000	),000 gp	d)	Plant Cap	acity: 2.4 MGD	1,667 GPM
	DISTRIBU	TION SYS	STEM IN	VFORM	NOITAN		
Distribution Contact Person: John Mills			Genera	al Mana	ger	Phone N	umber: 606-289-3885
Distribution Class: IID-Pop. 1500-15,000			System Service Connections (meters): 3651				
			System Population Served Reported:				
Meters Served Outside Your Syst	em: 0	Conse	nsecutive Systems Population Served Calculated: 0				
	WATER PURCHASE	D, SOLD,	& EME	RGENO	CY CONN	ECTIONS	
WATER PURCHASED FRO	M: Not Applicab	le		Mactor		unt Monthly	Amount Available by
SYSTEM NAME	PWS ID#	AI#	М	eters	(	average)	Contract (monthly)
Kermit, WV	WV3303003			1		0	Unlimited
Mountain Water District	KY0980575	3672		1		0	6,000,000
Prestonsburg Utility Comm	KY0360358	1298		1	E	mergency	Unlimited
WATER SOLD TO:	Not Applicable			nber of	: Amo	unt Monthly	Amount Available by
SYSTEM NAME	PWS ID#	Al#		Master I		average)	Contract (monthly)

#### PWS ID Number: KY0800273

#### I. OPERATOR COMPLIANCE

Are operators cross-trained (by shift, b	Yes 🛛 No	□ N/A □					
Do you have contingency plans for rep	Yes 🔀 No	□ N/A □					
Who provides training/technical assista  ☐ AWWA ☐ DCA ☒ DOW ☒ KRW	Who provides training/technical assistance for license renewal? (✓ all that apply):  ☐ AWWA ☐ DCA ☒ DOW ☒ KRWA ☐ KWWOA ☐ RCAP ☐ Other						
What type of training is typically obtained? (✓ all that apply): ☑ REGULATIONS ☑ SAFETY ☐ UMI ☑ WATER QUALITY							
Does the system pay for registration, lo	odging and meals?		Yes 🛛 No	□ N/A □			
Does the system allow operators to att	tend training on company t	ime?	Yes 🔀 No	□ N/A □			
	<u>Water Ti</u>	reatment Plant	Distribution Sys	tem_			
Length of each shift:	<u>12</u> hours		<u>8</u> hours				
Number of operators per shift:	1		2				
How are weekends covered?	Set Shift		On-call				
How are holidays covered?	Set Shift		On-call				
Do operators leave the water plant property while the plant is producing water?  How long are the operators typically away from the plant?  What duties are they performing when they are away from the plant?							
	OPERATOR C	ERTIFICATION					
LICENSEE NAME	LICENSEE AI #	LICENSE ID	LICENSE TY	PE			
Earl T. Alley	27500	2414	DW Distribution IID				
	27500	17562	DW Treatment IVA				
Michael Sartin	32746	17540	DW Distribution IID				
	32746	13623	DW Treatment IIIA				
Jerry L. Belcher	50886	13637	DW Treatment IIIA				
John T. Mills	111291	21442	DW Distribution ID				
Is the system staffed with appropriate	ely certified operators? (Ve	rify certification with DCA.)	Yes 🛛 No	□ N/A □			
COMMENTS:							

#### PWS ID Number: KY0800273

# II. MONITORING, REPORTING & DATA VERIFICATION

(Part A must be completed for all water systems. Part B must be completed for groundwater systems only.)

PART A (Complete for all water s	ystems.)			
REPORTING ITEM – Information gathered from DWW	RETENTION TIME			
Bacteriological — <u>10</u> per month (See DWW)	5 Years	Yes 🖂	No 🗌	N/A 🗌
Chlorine/Chloramines – Free chlorine monthly with BACTs, daily for MORs, residual chlorine monthly	10 Years	Yes 🖂	No 🗌	N/A 🗌
C-T Profiling Data	See if doing/min 1 year	Yes 🔀	No 🗌	N/A 🗌
Individual Filter Turbidity Data (Other than MOR)	3 Years	Yes 🖂	No 🗌	N/A 🗌
MORs – Monthly (Turbidity Analysis)	1 Year	Yes 🖂	No 🗌	N/A 🗔
Lead & Copper - 30 every 3 years (June to September)	12 Years	Yes 🖂	No 🗌	N/A 🗌
Nitrate – Annually	10 Years	Yes 🖂	No 🗌	N/A 🗌
Nitrite – 1 sample in the $1^{st}$ 3 years of the 9 year compliance cycle	10 Years	Yes 🖂	No 🗌	N/A 🗌
Secondary/Corrosivity – Annually	10 Years	Yes 🖂	No 🗌	N/A
Sodium – annually; can be with SECs	10 Years	Yes 🖂	No 🗌	N/A 🗌
IOCs (Inorganic Chemicals) – Annually	10 Years	Yes 🖂	No 🗌	N/A
<i>SOCs</i> (Synthetic Organic Compounds) – >3300, 2 quarterly samples in 12 consecutive months in 3 years.	10 Years	Yes 🖂	No 🗌	N/A 🗌
VOCs (Volatile Organic Chemicals) – Annually	10 Years	Yes 🖂	No 🗌	N/A
TOCs (Total Organic Carbon) – Monthly, Raw TOC/Alkalinity & CFE TOC	10 Years	Yes 🖂	No 🗌	N/A 🗌
TTHMs & HAA's 4 per quarter (see DWW)	10 Years	Yes 🖂	No 🗌	N/A 🗌
Asbestos – 1 sample in the 1 st 3 years of the 9 year compliance cycle (SOC) *Check for Waiver (only purchasers can have waiver)*	Begin 2011/2013	Yes 🖂	No 🗌	N/A 🗌
RADs (Radionuclides) – Every 6 years	See if conducting	Yes 🗌	No 🗌	N/A ⊠
LT2 Cryptosporidium and E.coli Plan – 3 years after bin classification (see rule - first one is April 2009)	3 Years	Yes 🗌	No 🗌	N/A ⊠
LT2 Source Water Monitoring Avoidance	3 Years	Yes 🗌	No 🗌	N/A ⊠
LT2 Toolbox Treatment Monitoring Results	3 Years	Yes 🗌	No 🗌	N/A ⊠
Stage 2 IDSE Sampling Plan or 40/30 Certification	10 years	Yes 🗌	No 🗌	N/A 🗵
Stage 2 IDSE Report	10 years	Yes 🛚	No 🗌	N/A
Bromate (Only used on systems treating with Ozone)	10 Years	Yes 🗌	No 🗌	N/A ∑
Chlorine Dioxide	10 Years	Yes 🗌	No 🗌	N/A ∑
Chlorite (Only used on systems treating with Chlorine Dioxide)	10 Years	Yes 🗌	No 🗌	N/A ∑
Dioxin – w/SOCs if required *Check for Waiver*	10 Years	Yes 🗌	No 🗌	N/A ∑
Data Summaries (if actual data not retained)	12 Years	Yes 🗌	No 🗌	N/A ∑
NOVs (Notices of Violation)	10 Years	Yes 🖂	No 🗌	N/A
Sanitary Surveys (every 3 years)	10 Years	Yes 🖂	No 🗌	N/A [
CCR (Consumer Confidence Report) – Annually by July 1 (by April 1 to consecutive systems)	Current one on file	Yes 🖂	No 🗌	N/A 🗆

Agency Interest Number: 2987 PWS ID Number: KY0800273 N/A 🗌 Yes 🖂 No 🗌 Date updated 2008 Does the system maintain a current sampling plan for BacTs? N/A 🗌 Yes 🖂 No 🗌 Date updated 2008 Does the system maintain a current sampling plan for LCR? Yes 🖂 No 🗌 N/A 🗌 Does the system maintain a current sampling plan for DBPs? Date updated 2009 Does the system have an up-to-date map of distribution assets? (Map shall show a minimum of all line sizes, cutoff valves, fire hydrants, flush hydrants, Yes 🖂 No 🗔 N/A Date updated 2009 tanks, booster pumps, chlorination stations, connections to emergency or alternative sources, wholesale customer master meters, & the type of piping material in the distribution system and its location.) PART B (Complete for groundwater systems only.) Not Applicable N/A Yes No 🗌 **GWR** Corrective Action 10 years N/A Yes No 3 years **GWR Public Notices** N/A  $\square$ No 🗀 Yes 🗌 5 years GWR Fecal-positive invalidation Yes 🔲 No 🗌 N/A 10 years GWR State-specified minimum disinfectant residual (letter from CTAB) No 🗌 N/A 🗌 Yes 🗌 5 years GWR Lowest daily disinfectant residual level (submitted with MOR) What method is used to record this? (i.e. SCADA, chart recorders, download to CD) GWR Date and duration of time less than minimum daily Yes 🗍 No 🗍 N/A 🗌 5 years disinfectant residual level GWR Records of state-specific compliance requirements for N/A 🔲 Yes 🗌 No 🗌 5 years membrane filtration and alternative treatment Yes 🖂 No  $\square$ N/A 🗀 Does the system maintain compliance records as required? (answer for both Parts A & B) COMMENTS: The monitoring and reporting documents were well organized and available for review. **III. MANAGEMENT & OPERATIONS** What professional organizations does the water system belong to? KRWA, League of Cities N/A 🔲 Yes 🖂 No 🗌 Is the system subject to Public Service Commission regulations? N/A 🏻 Yes 🖂 No 🗌 Does the system attend Water Management Council meetings of the Area Development District? No □ N/A  $\square$ Yes 🖂 Does the system have a governing entity? If not, explain: ___ What is the name of the system's CHAIRMAN? Bill Harvey What is his or her mailing address? 384 East Main Street, Inez, KY 41224 How often does the governing body meet? Monthly Yes 🖂 No  $\square$ N/A 🗍 Do operators attend these meetings? Is the governing entity provided with documented information regarding technical, managerial, No 🗌 N/A  $\square$ Yes 🖂 and financial operations of the water system? (Inspect)

Does the system offer continuing education opportunities for members of the governing entity?

Is the governing entity familiar with water treatment?

No □

No 🗌

Yes 🖂

Yes 🛛

N/A 🗀

N/A 🗌

PWS ID Number: KY0800273 Agency Interest Number: 2987

Does the governing entity visit the water plant?	Yes 🛚	No 🗌	N/A 🔲 📗
How often? Monthly			
Does the system have regular staff meetings?	Yes 🛚	No 🗌	N/A 🔲
How often? Morning meetings			
Who is involved? Operators			
Does the system have a documented strategic plan (mission statement, goals and objectives)? (Inspect)	Yes 🛚	No 🗌	N/A 🗌
Does the system have a defined organizational structure?	Yes 🛚	No 🗌	N/A 🗌
Does the system have a documented description of each job classification with minimum position qualifications? (Inspect)	Yes 🛚	No 🗌	N/A 🗌
Does the system have documented policies and procedures governing human resource management (such as an employee handbook)?	Yes 🛚	No 🗌	N/A 🗌
Does the system periodically review its insurance coverage is in place for liability, property, automobiles, directors, and officers?	Yes 🛚	No 🗌	N/A 🗌
Does the system have a documented policy for delegation of authority such as signing agreements, contracts, resolutions, easements, etc.?	Yes 🛛	No 🗌	N/A 🗌
Does the system have a documented procurement policy for purchasing supplies?	Yes 🛚	No 🗌	N/A 🗌
Does the system have professional services available under a current contract, retainer, or other similar arrangement for engineering, accounting, and legal counsel?	Yes 🛚	No 🗌	N/A 🗌
Does the system have an asset management program?	Yes 🗌	No 🖂	N/A 🗌
Does the system have a documented preventive maintenance program?	Yes 🛚	No 🗌	N/A 🗌
Does the system have a capital improvement plan? (Inspect)	Yes 🗌	No 🖂	N/A 🗌
How many years does the plan cover?			
Does the system have a documented policy governing water main extensions? (Inspect)	Yes 🛚	No 🗌	N/A 🗌
Are chemicals inventoried? If so, how? Day tanks, weights, volumes each day	Yes 🛚	No 🗌	N/A 🗌
Are distribution materials inventoried? If so, how? Monthly inventory count	Yes 🛚	No 🗌	N/A 🗌
Is there a bid process for chemicals, pipe, or large item purchases?	Yes 🗌	No 🖂	N/A 🗌
Does the system have rules and regulations governing the provision of service? (Inspect)	Yes 🛚	No 🗌	N/A 🗌
Does the system make available in a public place the rules, rates, and regulations? (Inspect)	Yes 🛚	No 🗌	N/A 🗌
Does the system provide 24-hour service response for customers?	Yes 🛚	No 🗌	N/A 🗌
Does the system notify customers prior to performing scheduled maintenance?	Yes 🛚	No 🗌	N/A 🗌
Does the system log customer complaints and track resolution?	Yes 🛚	No 🗌	N/A 🗌
Does the system provide any educational activities to the public?	Yes 🗌	No 🗌	N/A 🗌
Who is responsible for providing this?			
What types of educational activities are done?			
Does the system have sufficient O & M manuals? (Inspect) (O & M manuals shall include: a detailed design of the plant, daily operating procedures, a schedule of testing requirements designating who is responsible for the tests, and safety procedures for operation of the facility – including storage and inventory requirements for materials and supplies.)	Yes 🔀	No 🗌	N/A 🗌
How are the operators made aware of O & M procedures? Manuals are kept at the treatment plant office and are available for operators to use when needed.			

Yes 🖂 No 🗌 N/A 🗀 Has the system received any NOVs for MCLs in the last 3 years? If yes, answer the following: Yes 🗍 No 🖂 N/A 🗌 If more than one NOV, were any for the same contaminant? Yes 🖂 No 🗌 N/A 🗌 Was a public notice issued when required? What remedial measures did the system take to prevent future occurrences of these violations? None N/A 🗍 Yes 🖂 № П Does the system maintain a log of all breaks or ruptures per 401 KAR 8:150, Section 4? (Inspect) No 🖂 Is the system operating at or above 85% of its Rated Design Capacity or using at or above 85% of Yes 🗌 N/A 🗌 water available through purchase contracts? (see COW) Plant is currently operating at 80.0% (gpm) and 78.8% (gpd) of its Rated Design Capacity. If system's average daily demand (including volume of water specified through contracts) exceeds N/A 🖂 No 🗌 Yes 🗌 85% of total available capacity (including both plant capacity and water available through purchase contracts), does system have a plan for obtaining additional capacity, including cost and timeframes to address the needed additional capacity? If applicable, describe plan for obtaining additional capacity: _ COMMENTS: IV. FINANCIAL Yes 🖂 No 🗌 N/A Does the system prepare an annual operating budget? (Provide summary) Yes 🖂 No 🗌 N/A 🗌 Does the system prepare an annual capital budget? (Inspect) Who prepares the budget? CPA and Governing Board No 🗌 N/A 🗌 Yes 🖂 Do the operators have input into the budget? Yes 🖂 No 🗍 N/A  $\square$ Are training and license funds built into the budget? N/A 🗀 Yes 🖂 No 🗌 Does the governing entity review and approve the budget? Does the system prepare regular monthly reports to show variances between budgeted and actual Yes 🔀 No  $\square$ N/A 🗌 revenue and expenses? (Inspect) Does the system maintain its financial records utilizing the Kentucky Uniform System of N/A 🗔 Yes 🖂 No  $\square$ Accounting or a comparable system? (Inspect) No  $\square$ N/A  $\square$ Yes 🖂 Are financial statements audited by a CPA as required? (Inspect) (Water districts, special districts – i.e. regional water commissions and cities have specific requirements.) Yes 🖂 No 🗌 N/A If audit is completed, does the governing entity receive and review the audit report? Yes 🖂 No  $\square$ N/A 🗍 Does the system employ a method for depreciation of system assets? Is the system operating at a retained earnings surplus? Yes 🗌 No 🖂 N/A 🗌 (Retained earnings is the net Income that is available at the end of the year and available for transfer.) No 🖂 Is the current debt-to-equity ratio below 1.0? Yes 🗍 N/A  $\square$ (The debt-to equity ratio for any given year is computed by dividing total liabilities by total equity.) Does the water system meet a debt coverage ratio needed for bond ordinances, loan agreements, and bond requirements? A typical value is 1.2. Yes 🖂 №П N/A  $\square$ (Debt coverage ratio is computed by dividing cash available for debt service (net income with annual interest, depreciation, amortization, and other non-cash items added back) by debt service requirements for the year.) No 🖂 Yes 🗍 N/A 🗌 Does the water system revenue go to meet other expenses (i.e. electric, sewer or garbage)?

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Yes 🖂

Yes 🖂

No 🗌

No 🗌

N/A 🗌

N/A 🗌

Is there a documented policy for delinquent accounts?

What is it? Customers get 3 months and monthly late notices before being disconnected

For accounts payable, has the system kept payments less than 45 days past due over the last 12

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months?				
Does the system	write-off bad debt annually?	Yes 🖂	No 🗌	N/A 🗌
Where does the	system typically go for financial assistance? Coal Severance			
Does the system	have any long-term debts?	Yes 🖂	No 🗌	N/A 🔲
Is the system cu	rrent on all debt service payments (if applicable)?	Yes 🔀	No 🗌	N/A 🗌
Is the system me	eeting reserve account requirements (if applicable)?	Yes 🖂	No 🗌	N/A 🗌
	<pre>oved* rate structure in place? (Provide copy of rate sheet.) overning entity/PSC as applicable.)</pre>	Yes 🛚	No 🗌	N/A 🗌
What are the da	tes of the system's last 2 rate increases? 2009 & 2001			
Does the system	perform a review annually to determine if the rates fully cover the expenses?	Yes 🗌	No 🖂	N/A 🗌
Are long-term ne	eeds built into rate increases?	Yes 🖂	No 🗌	N/A 🗌
Do rates promot	e conservation in time of drought?	Yes 🗌	No 🛛	N/A 🗌
7 P=0 ViP	COST OF WATER PRODUCED, PURCHASED AND SOLD			
Does the system	calculate the cost to produce water?	Yes 🖂	No 🗌	N/A 🗌
Producers	How much does it cost your system to produce 1,000 gallons of water?	\$ <u>2</u> .	<u>89</u>	N/A 🗌
What is the highest wholesale price you pay per 1,000 gallons of water?		\$ <u>1.</u>	<u>72</u>	N/A 🗌
Purchasers	Purchasers What is the lowest wholesale price you pay per 1,000 gallons of water?		\$ <u>1.72</u>	
	What is your highest wholesale price which you charge per 1,000 gallons of water?	\$		N/A 🗌
Sellers	What is your lowest wholesale price which you charge per 1,000 gallons of water?	\$		N/A 🗌
	WATER LOSS	1		
Does the system	track water loss on a monthly basis?	Yes 🔀	No 🗌	N/A 🗌
		58%		
Report water los	ss for the past year as a percentage of total water produced/purchased in gallons and	400,115	5,320 gallo	ns
as a dollar value	(use \$1.50 as an example if cost to produce water is unknown).	\$ <u>1,156,3</u>	33	
If water loss is a	bove 15%, does the system have a plan to address this?	Yes 🖂	No 🗌	N/A 🗌
   If yes, describe p	olan to address water loss: The system installed master meters to track water flows, ificant issues with water theft, fire department use and with water lines being un			
	ne system has a depreciation account that is considered to be the capital budget. A 580 lons of water. The utility spends \$1,156,333 to produce water that is never sold.	% water lo	ss equals	

#### **V. SECURITY**

Does the system have a documented safety policy?	Yes 🖂	No 🗌	N/A 🗌
Does the system provide regular safety training to its employees?	Yes 🖂	No 🗌	N/A 🗌
Is the utility a member of the Local Emergency Planning Committee?	Yes 🖂	No 🗌	N/A 🗌
Does the system have an updated Emergency Response Plan that is reviewed annually? (Inspect)	Yes 🗌	No 🖂	N/A 🗌
Does the emergency response plan include a plan for responding to water shortages and loss of	Yes 🖂	No 🗌	N/A 🗌
service?	Yes 🗌	No 🖂	N/A 🗌
Is the Emergency Response Plan exercised?			

How is the Emergency Response Plan communica	ated to all employees? The employees know of it.			
Are there safeguards on water plant operations operations of plant grounds?	when operators may be doing work outside on the	Yes 🗌	No 🛚	N/A 🗌
What types of safeguards? auto shut offs				
Does the plant ever disable the telemetry/SCADA	A system and run on manual?	Yes 🗌	No 🛚	N/A 🗌
Has the system developed procedures for securi	ng computer/SCADA usage?	Yes 🔀	No 🗌	N/A 🗌
Are backup copies of O & M manuals maintained	in a location other than the water plant?	Yes 🗌	No 🖂	N/A 🗌
Is the raw water, treatment, distribution, and pu standby power generation or is there a secondar suppliers for emergency generators or dual elect	y source of power? (e.g. contracts in place with	Yes 🗌	No 🔀	N/A 🗌
Are backup emergency generators exercised regu	ularly?	Yes 🗌	No 🗌	N/A ⊠
Is other backup equipment exercised regularly?		Yes 🗌	No 🗌	N/A 🖂
Have arrangements been made with outside con emergency equipment?	tractors, other utilities, etc. to provide needed	Yes 🛚	No 🗍	N/A 🗌
If the system has an inactive water plant, is the pemergencies?	olant exercised to maintain preparedness for	Yes 🗌	No 🗌	N/A ⊠
How often?				
How is the plant disinfected prior to bringing it b	ack on line?			
Is equipment shared with the wastewater plant?		Yes 🗌	No 🖂	N/A 🗌
If so, how is the equipment disinfected prior to u	ise at the water plant?			
COMMENTS:				
	COLUMN TATION ( / - U sh - + h )			
	DOCUMENTATION (✓ all that apply)			
Photographs obtained by DEP				
Copies of records obtained by DEP				
Other documentation				
	OVERALL COMPLIANCE STATUS			
No Violations Observed				
No Violations Observed – Advisory Action Tal	ken (impending trends)			
Out of Compliance – Verbal Notice Given (no	n-recurrent deficiency noted or violation corrected	at time of ins	spection)	
CDPM: BJ Bland	Title: Environmental Technologist III	Date: May 6	5, 2014	
	4			

# Drinking Water Sanitary Survey TECHNICAL INSPECTION OF SURFACE WATER PLANT AND DISTRIBUTION SYSTEM OPERATIONS

PWS ID: KY0800273

**Agency Interest Number: 2987** 

AI Name: Martin County Water District

County: Martin

WTP Latitude: 37* 52' 19.53" WTP Longitude: 82* 31' 10.99"

CTAB Inspection Date(s): 4/25/14 4/29/14

TREATMEN	T PROCESS SUMMARY		
Primary Source: Curtis Crum Reservoir	Maximum Pumping Rate: 1400 GPM		
Secondary Source: Tug Fork of the Big Sandy River	Filter Design Rate (gpm/ft ² ): 2.66		
Pre-sedimentation Size:	Aeration: 1)N/A 2) N/A		
Sedimentation (Primary): Solids Contact	Filter (Primary): High Rate/Mixed (Sand/Garnite/Anthracite)		
Sedimentation 2: 1) N/A	Filter 2 (if 2 different filter types): 1) N/A		
2) N/A	2) N/A		
Total Clear Well Size (gallons): 100,000	Size (gallons): 100,000 Total Distribution Storage Capacity (gallons): 4,032,000		
Does each component of the WTP meet 10 State Standards of	or has each been approved by the Division of Water? Yes \in \text{No } \square		
COMMENTS:			

CHEMICALS SUMMARY					
Pre-Disinfection/Treatment: 1) Chlorine Liquid	Primary Coagulant: Polyaluminum Chlorides/Sulfates				
2) N/A	Secondary Coagulant (Name): Polymer				
Post-Disinfection: 1) Chlorine Liquid					
2) N/A					
Filter Aid Name: Super Floc	Corrosion Control: pH Adjustment/Caustic				
Taste and Odor: N/A	Softening: N/A				
Iron and Manganese Removal: Hydrogen Peroxide	Fluoride Supplement: Hydrofluosilicic Acid				
COMMENTS:					

PLANT SCHEMATIC (OPTIONAL)							
Include a plant schematic indicating the following details.  Place an "X" in the box to indicate this item is included on the schematic.							
Source water type/location	Major unit processes (including baffling factors and volumes)						
Flow measurement locations	☐ Chemical injection locations						
☐ Piping Flexibility (including # of raw and finished water mains) ☐ Waste handling							

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# I. SOURCE

SOURCE					
SOURCE NAME	WATER WITHDRAWAL NUMBER	PERMITTED AMOUNT (MGD)	IS CAPACITY ADEQUATE?	ARE TH WAT QUAL ISSUI	ER ITY
Curtis Crum Reservoir	0683	2	Yes ⊠ No □	Yes 🗌	No 🛛
Tug Fork	1060	2	Yes ⊠ No □	Yes 🗌	No 🛛
Upstream land uses (✓ all that apply): ☐ Farmland ☐ Industry ☐ Logging ☐ Minim	ng 🛭 Oil and Gas 🗌 R	ecreation 🛭 Resi	dential  Other		
Upstream discharges within 5 miles (✓ all that a ☐ Farmland ☐ Industry ☒ Logging ☒ Mini	pply): ng	ecreation 🛭 Resi	dential		
☐ Water/Wastewater Discharge ☐ Other	_				
Is there a source water protection plan in place?	(Call ADD if no one at pl	ant knows.)		Yes 🛚	No 🗌
Are there any sources of Cryptosporidium in the watershed?					No 🗌
Describe the sources: <u>Sewage</u>					
Is the system drought-vulnerable? (Has the system ever been on water conservation or dealt with a dwindling water Yes \sum No \subseteq source during warm weather?)					
Does the system perform both source and finished water quality monitoring as required?  Yes  No					No 🗌
What type of water quality monitoring is done on the source water (✓ all that apply):  ⊠Alkalinity □BacTs ⊠Hardness ⊠Iron ⊠Manganese ⊠pH ⊠Temperature ⊠Turbidity □None					
If multiple sources are available, is the one in use the "best" in terms of both water quality and quantity? Yes 🗵 No					No 🗌
Are there any factors that have limited the capaci	ty of raw water source(s)	with in the last 10	years?	Yes 🗌	No 🛚
If the capacity of a raw source has been limite been successfully addressed? If not, explain:	d within the past 10 yea	rs, have the contr	ibuting factors already	Yes 🗌	No 🗌
Are there any unaddressed factors that have redu	ced the quality of raw wa	ter source(s) in the	last 10 years?	Yes 🗌	No 🖂
If the quality of the raw water source(s) has be factors already been successfully addressed?	een reduced within the placed in the placed	oast 10 years, have	e the contributing	Yes 🗌	No 🗌
Are there any unaddressed factors that have limit last 10 years?	ed the water available for	r purchase from co	ntracted source(s) in the	Yes 🗌	No 🛚
If water available for purchase through contra the contributing factors already been successf	acted source(s) has been ully addressed? If not,	limited within the	e past 10 years, have	Yes 🗌	No 🗌
COMMENTS:					

		INT	AKE STRUC	CTURE			
LO	CATION	WE WHEN WE TO MY TO THE		# of	SCREEN	IS FLOODING A	IS SILT BUILD-UP
ROAD/AREA	LATITUDE	LONGITUDE	TYPE	INLETS	GRID SIZE	PROBLEM?	A PROBLEM?
HW 292 Tug Fork			Fixed	1	0.375	YES	NO
Route 908 Reservior Rd			Fixed	3	0.375	NO	NO

Agency Interest Number: 2987 PWS ID Number: KY0800273 Number of raw water mains: 2 which are: PUMPED ☐ or GRAVITY FED ☐ Yes 🛛 No 🗌 Is raw water flow measured? If yes, when was the meter last calibrated? 2013 List any chemicals fed at the source: _ Yes No 🖂 If source is a reservoir, is it aerated? List depths of intake levels (normal pool): 9' Screens are: STATIONARY ⋈ or MECHANICAL □ No 🖂 Yes 🗌 Is screen clogging a problem? How are screens cleaned? Yes 🗌 No 🖂 Are Zebra mussels a problem? If yes, list actions taken: _ How often are the submerged portions of the intake inspected? As needed When was the date of the last inspection? 2013 COMMENTS: II. TREATMENT/PUMPS PRE-SEDIMENTATION CHEMICAL FEED **FLEXIBILITY** LIST CHEMICALS FED CAPACITY (gallons) CAPABILITY TO BYPASS Yes No No Yes No No Yes 🗌 No 🗌 Yes No No No  $\square$ Yes 🗌 Are treatment chemicals fed at the inlet to the pre-sedimentation basin? If so, is the chemical fed: ALL THE TIME or INTERMITTENTLY ? Yes 🗌 No 🗌 Is algae growth a problem? How often are the pre-sedimentation basin(s) cleaned? COMMENTS: AERATION N/A REASON FOR AERATION CAPACITY (gallons) **TYPE** COMMENTS:

	RAPID Inspec		
TYPE	NUMBER	VOLUME (gallons)	PHYSICAL CONDITION
Mechanical Mixer	I	471	Good

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List chemicals in the order they are fed at the rapid mix: Delpac, polymer, H2O2		
Is adequate mixing of chemicals taking place?	Yes 🖂	No 🗌
Are there flow splits after the rapid mix?	Yes 🖂	No 🗌
If so, is the flow distribution even?	Yes 🖂	No 🗌
COMMENTS:		

	FLOCC	ULATION BA Inspected	SINS			
ТҮРЕ	# of TRAINS / STAGES	VARIABL DRI		VOLUME (gallons)	PHYS: CONDI	_
Horizontal Paddle	2 / Single	Yes 🖂	No 🗌	161,200	Go	od
	1	Yes 🗌	No 🗌			
List any chemicals fed in the f	locculation process: Chlorine Li	quid		··		
What is the size and appearance	ce of the floc? Size: OK & Appo	earance: OK				
How often are flocculation bas	sins cleaned? As needed					
Are the flocculation speeds tap	pered (decreased) through the flo	cculation stage	es?		Yes 🗌	No 🖂
Are there flow splits after floc	culation?				Yes 🗌	No 🖂
Is flow distribution even?					Yes 🗌	No 🗌
COMMENTS:					T	

SEDIMENTATION BASINS Inspected						
TYPE	TRAINS / STAGES	VOLUME (gallons)	SQ. FT. AREA PER BASIN	% WITH TUBE SETTLERS	PHYSIC CONDIT	
Solids Contact/Sludge Blanket	2 / 1	161,200	1257	100	Goo	d
	1					
List any chemicals fed in the sedim	nentation process:		771			
What is the sedimentation turbidity	goal? <u>0.5</u>					
Where is this sample taken? top of	f reactor					
What is the overflow rate of the ba	sins? 2.8 gpm/ft ²					
If system has an Actiflo process, w	hat is the rise rate?					
How often are the basins cleaned?	As needed					
How often is sludge removed from	the basins? Daily					
Sludge removal is: MECHANICA	L 🛛 or MANUAL					
What was the sludge depth at the ti	ime of this inspection	n? <u>9'</u>				
What was the settled water turbidit	ty at the time of this	inspection? <u>0.47</u>				
Is there evidence of short-circuitin	g (flow or density cu	rrents)?			Yes 🗌	No 🛛
Is baffling present in the basins?					Yes 🗌	No 🛚
If yes, describe the baffling:						

If multiple sedimentation basins, describe the piping from the basins to the filters: Common pipe then gravity fed to filters		
Is there evidence of floc carryover to the filters?	Yes 🗌	No 🖂
COMMENTS:		

			FILTE					
	Plant flow	rate divided by tota	Total Number of		at the time of insp	ection.		
TYPE	MEDIA TYPE	FILTER RATE (at insp.)	FILTER CONTROL	SURFACE WASH TYPE	FILTER TO WASTE	FILTER AREA		SICAL
Conventional	Mixed Media	2.66 gpm/ft ²	Rate of Flow		Yes	312.8	G	ood
		gpm/ft²						
List any chemic	als fed in the filtration						1	
<u>·</u>	red water turbidity go							
	to the combined filter						Yes 🖂	No 🗌
To individual fil							Yes 🖂	No 🗌
What criteria are	e used for filter backy	vash? Run time,	Furbidity, Head 1	oss				
What is the back	wash rate in gallons	per minute? 356	5					
Is filter backwas	sh rate ramped up and	l down?					Yes 🖂	No 🗆
Is backwash flow rate measured?					Yes 🖂	No 🗆		
Are filters ever bumped?					Yes 🗌	No 🗵		
Is air scouring used?					Yes 🗌	No 🗵		
What was the co	ombined filter effluen	t turbidity at time	e of inspection?	0,051				
Are individual f	ilters monitored for to	urbidity?					Yes 🛚	No 🗌
Are the IFE turb	oidimeters calibrated	per the manufacti	urer's instruction	s? (inspect doct	imentation)		Yes 🖂	No 🗆
Is this turbidity	continuously recorded	d?					Yes 🖂	No 🗆
Can this data be	retrieved in usable for	orm from storage	(tape or CDs)?				Yes 🖂	No 🗆
Is filter to waste	e (rewash) present?						Yes 🖂	No [
Is it used?							Yes 🛛	No [
	measured while filte						Yes 🗌	No 🗵
Are flows adjus	ted on remaining in-s	ervice filters dur	ing a backwash?				Yes 🖂	No 🗆
COMMENTS:								
		,	MEMBRANE F	II TRATION				
			N/A					
What type of m	embrane filtration is	used? N/A						
The membrane	filtration process is P	RESSURE 🗌 oi	· VACUUM 🔲 o	driven.				
What is the des	igned membrane flux	(flow per unit of	membrane area)	?				
Are pre-filters u	ised ahead of the mer	nbranes?					Yes 🗌	No 🗆
Describe the dir	rect integrity testing p	procedure.						

PWS ID Number: KY0800273	Agency Interest Number: 2987
Describe how membrane breaks are isolated and repaired.	

How are the membranes "backwashed"?		
What type of chemical cleaning is used?		
How is this waste handled?		
Have there been any operational or maintenance issues with the membranes?	Yes 🗌	No 🗀

If yes, explain: COMMENTS:

DESCRIPTION OF TAXABLE INC.	19 E 7	100
RESIDUALS HANDLING		
What percent of plant production is used for in-plant processes (backwash, chemical feed, sanitary)? $\underline{1}\%$		
How are spent backwash water and other liquid residuals handled? Holding Pond then discharged KPDES		
If applicable, is the spent backwash holding tank/lagoon volume adequate?	Yes 🛛	No 🗌
Does the plant discharge water from this tank/lagoon back to a body of water?	Yes 🖂	No 🗌
Does the plant have a KPDES discharge permit? If so, what is the permit number? KYG640104	Yes 🖂	No 🗌
Is the discharge meeting permit requirements?	Yes 🖂	No 🗌
Is the discharge point upstream of the intake?	Yes 🗌	No 🛛
If yes, how far upstream is the discharge point from the intake?		
Is spent backwash water recycled?	Yes 🗌	No 🛚
If yes, is the spent backwash water recycled as a: "SLUG" ☐ or as a CONSTANT FLOW ☐?		
What percent of the flow is recycled?%		
Are chemical feed rates adjusted during recycling?	Yes 🗌	No 🗌
Are raw water flows adjusted during recycling?	Yes 🗌	No 🗌
Are all recordkeeping requirements of the Filter Backwash Rule being followed?	Yes 🖂	No 🗌
How are solid residuals handled? Hauled to approved site		
COMMENTS:		

CHEMICAL FEED EQUIPMENT				
CHEMICAL NAME	PURPOSE	FEEDER TYPE	FEED POINT	NUMBER & CONDITION
Polymer	Coagulation	Metering Pump	Quick/Flash Mix	2 Good
Polyaluminum Cl/SO4	Coagulation	Metering Pump	Quick/Flash Mix	2 Good
Hydrofluosilicic Acid	Coagulation	Metering Pump	Clearwell	1 Good
Powdered Activated Carbon	Taste Odor	Volumetric	Quick/Flash Mix	1 Not in Operation

How are chemical feeders calibrated? <u>Drawdown</u>		
How often are chemical feeders calibrated? Any time chemical change is made.		
Are chemical dosages calculated?	Yes 🛛	No 🗌
How often are dosages calculated? Daily		
Are chemicals NSF or United Laboratories certified and approved by DOW prior to use?	Yes 🛚	No 🗌
Do the bulk liquid feed systems have day tanks?	Yes 🛚	No 🗌
Are there at least two feeders provided for essential processes (such as coagulation and disinfection)?	Yes 🖂	No 🗌
Are spare parts available?	Yes 🖂	No 🗌
Is there enough storage for at least a 30-day supply of chemicals used?	Yes 🖂	No 🗌
Are there containment areas around the chemicals in case of spills or leaks?	Yes 🖂	No 🗌
Are in-plant water supplies protected from backflow (cross connections)?	Yes 🖂	No 🗌
Does a certified tester test backflow prevention devices?	Yes 🗌	No 🛛
If yes: What is the testing frequency? Last Tested:		
COMMENTS: Carbon feed system is not operational. System is looking at installing a liquid carbon feed system.		

GAS CHLORINE SAFETY N/A		
Is the chlorine room enclosed and separate from other operating areas?	Yes 🗌	No 🗌
Is there a working exhaust fan in the chlorine room?	Yes 🗌	No 🗌
Does it provide one complete air change per minute?	Yes 🗌	No 🗌
Does it exhaust from floor level?	Yes 🗌	No 🗌
Is intake air near the ceiling?	Yes 🗌	No 🗌
Is there an external audible and visual alarm?	Yes 🗌	No 🗌
Are switches located outside the chlorine room?	Yes 🗌	No 🗌
Are chlorine tanks secured?	Yes 🗌	No 🗌
Are the scales operational?	Yes 🗌	No 🗌
Is automatic switchover of chlorine cylinders provided?	Yes 🗌	No 🗌
Is there a shatterproof viewing window in chlorine room?	Yes 🗌	No 🗌
Is there a crash bar on the door of the chlorine room?	Yes 🗌	No 🗌
Does the door open out and to the exterior of the building?	Yes 🗌	No 🗌
Is there a SCBA unit meeting NIOSH standards outside the chlorine room?	Yes 🗌	No 🗌
Are personnel trained to use the SCBA?	Yes 🗌	No 🗌
Is the "buddy system" practiced when changing or moving chlorine cylinders?	Yes 🗌	No 🗌
Is leak detection provided?	Yes 🗌	No 🗌
Is ammonia available for chlorine leak detection?	Yes 🗌	No 🗌
Is there a chlorine tank repair kit?	Yes 🗌	No 🗌
Are personnel trained and certified to use the kits?	Yes 🗌	No 🗌
COMMENTS:		

CHLORINE DIOXIDE SAFETY		
N/A		
Many materials will catch fire and burn violently when in contact with chlorite.		
Is sodium chlorite stored in a separate room?	Yes 🗌	No 🗌
Is sodium chlorite stored away from organic material?	Yes 🗌	No 🗌
COMMENTS:		

GAS (ANHYDROUS) AMMONIA SAFETY N/A		
Is the ammonia room enclosed and separate from other operating areas?	Yes 🗌	No 🗌
Is there a working exhaust fan in the ammonia room?	Yes 🗌	No 🗌
If there is a working exhaust fan, does it provide one complete air change per minute?	Yes 🗌	No 🗌
Does the exhaust fan exhaust from ceiling level?	Yes 🗌	No 🗌
Is intake air near the floor?	Yes 🗌	No 🗌
Are switches located outside the ammonia room?	Yes 🗌	No 🗌
Are ammonia tanks secured?	Yes 🗌	No 🗌
Is there a shatterproof viewing window in ammonia room?	Yes 🗌	No 🗌
Is there a crash bar on the door of the ammonia room?	Yes 🗌	No 🗌
Does the ammonia room door open out and to the exterior of the building?	Yes 🗌	No 🗌
Is there a SCBA unit meeting NIOSH standards outside the ammonia room?	Yes 🗌	No 🗌
Are personnel trained to use the SCBA?	Yes 🗌	No 🗌
Is leak detection provided?	Yes 🗌	No 🗌
If leak detection is provided, is there an external audible and visual alarm?	Yes 🗌	No 🗌
How are ammonia leaks detected?		
COMMENTS:		

	DISINFECT	ION	
TYPE	APPLICATION POINT	REDUNDANCY AVAILABLE	FEEDER TYPE
Chlorine Liquid	Quick/Flash Mix	Yes No No	Metering Pump
Chlorine Liquid	Pre-Clearwell	Yes 🛛 No 🗌	Metering Pump
		Yes No No	
What is the means used to measur	re disinfectant chemical usage?		
How is the disinfectant residual n	nonitored? cl17, lab meter		
Is there an on-line, recording chlo	orine analyzer on the plant tap (for system	ns serving >3,300)?	Yes ⊠ No □
Are C-Ts calculated daily?			Yes ⊠ No □
COMMENTS:			
2 28 11			
	CLEARWE	LLS	
		DISINFECTANT RE	SIDUAL
VOLUME (gallons)	BAFFLING TYPE	TOTAL	FREE

100,000	none	1.86	1.75	
500,000 x2				
List chemicals in the order in which they are	fed into the clearwell: Flou	<u>ıride</u>		
If multiple clearwells, are they:  IN SERIES (one following the other)	or  PARALLEL (side by	y side and not connected)		
Are hatches secured?	7		Yes 🖂	No 🗌
Are vents screened?			Yes 🖂	No 🗌
How often are clear wells cleaned? Never				
COMMENTS:				

	WATER (Low service/raw water, high	PLANT PUMPS service/finished wa	iter and backwa	ısh)	
FLOW STREAM	LOCATION	NUMBER OF PUMPS	CAPACITY (gpm)	PUMP TYPE	FLOW CONTROL METHOD
Finished Water	Pipe Gallery	2	1400	Vertical Turbine	Automatic
Backwash Water	Gravity or High service	2	3567	Vertical Turbine	Automatic
Are documented maintenance pump run times, pump testing	e and pumping records maintained by g, maintenance log)	for all distribution pr	umping stations?	(minimum of Ye	s 🛛 No 🗌
Do all pumping facilities ha	ve the ability to meet demand wit	th one pump out of	service during	peak demand? Ye	s 🛛 No 🗌
COMMENTS:					

ТҮРЕ	FLOW STREAM (Location)	MANUFACTURER	LAST CALIBRATION DATE
Chlorine	Clearwell	Hach cl17	4/15/14
Turbidity	Individual Filter Effluent	Hach 1720d	3/7/14
Turbidity	Combined Filter Effluent	Hach 1720d	3/7/14

	LAI	BORATORY (PLANT)			
PARAMETERS TESTED	FREQUENCY	EQUIPMENT USED	CALIBRATION MET	HOD	
Chlorine	4 hours	Lamotte	standards		
Turbidity	4 hours	Hach	standards		
рН	4 hours	Hach	Buffers		
MN, FE, Fl	1 day	Hach			
Is laboratory space and lighting a	dequate?		Yes 🖂	No 🗌	
Are analyses conducted according		ods?	Yes 🖂	No 🗌	
Does the lab have SOPs for samp			Yes 🗌	No 🖂	
Are daily log sheets used to record day-to-day operations, testing, etc?  Yes					
		the computer)  or HAND-WRITTE	en 🖂		
COMMENTS:					

	IN-PLANT SAI (for example, top and b			
	CHLC	DRINE	wII	TURBIDITY
SITE	FREE	TOTAL	рН	TOKBIDIT
Raw			6,68	17.1
Top Filter 2	0.61	0.67	6.66	0.28
Top Filter 3	0.58	0.64	6.67	0.34
Bottom filter 3				0.,54
Bottom filter 4				0.053
Bottom filter 5				0.053
Bottom filter 6				0.055
Тар	1.73	1.85	7.11	0.047

# III. DISTRIBUTION SYSTEM/FINISHED WATER STORAGE

	DISTRIBUTION SYSTEM		
Does the system have standard specifications for	r design and construction of the distribution system	ı? Yes ⊠	No 🗌

Does the system prohibit new connections where pressure on the discharge side of the meter will be <30 psi?	Yes 🖾	No 🗌
Is the system able to meet minimum pressure requirements of DOW and/or other regulating authority?	Yes 🛚	No 🗌
Does the system have a documented leak detection program?	Yes 🛛	No 🗌
Does the distribution system have a sufficient number of valves to isolate portions of the system (for leak detection, maintenance, etc.)?	Yes 🛚	No 🗌
If there are separate distribution system areas, are they interconnected with each other?	Yes 🛚	No 🗌
If they are not interconnected, how many separate areas are there?		
What prevents these systems from being interconnected?		
How many pressure zones are there? 13		
What is the range of distribution pressures? 40-280		
Do any distribution areas require reduced pressure valves?	Yes 🛛	No 🗌
What piping materials are included in the distribution system? PVC, PE, AC, DI		
Does the system have a program for flushing water mains?	Yes 🛚	No 🔲
Describe the process for sterilizing new mains/main breaks: Disinfect, flush, sample		
What types of on-line instrumentation are located at booster or pump stations and tanks? Telemetry		
Does the system have a documented program for exercising distribution system valves?	Yes 🛛	No 🗌
Does the system have a documented program for regular testing of water meters including raw water, distributed and customer?	Yes 🛚	No 🗌
Is there a water meter replacement program?	Yes 🛚	No 🗌
Are there main break/emergency notification procedures?	Yes 🖂	No 🗌
Does the system have a documented procedure for issuing a boil water advisory and a consumer advisory? The procedure shall identify when (how soon after the occurrence) and how the system shall notify the affected health department, to whom that notification shall be made both during and after normal business hours, and procedures for issuing the advisory to the public. The public notification shall include instructions for the public (including how to properly boil water) and an explanation of steps being taken to correct the problem.	Yes 🛚	No 🗌
Describe how the decision is made to issue a Boil Water Advisory: Loss of pressure or chlorine		
Does the system have a cross-connection control program?	Yes 🖂	No 🗌
If yes, is the cross-connection control program documented in writing?	Yes 🖂	No 🗌
If the cross-connection control program is not documented in writing, describe the process for finding and eliminating cross connections:		
Does a certified tester test the backflow prevention devices on a regular basis?	Yes 🗌	No 🛛
Has a calibrated hydraulic model been developed for the system?	Yes 🛚	No 🗌
COMMENTS:		

			DISTRIBU	TION STORAC Inspected	E FACILIT	TES			
LOCATION						OVERFLOW			%
ROAD/AREA	LATITUDE	LONGITUDE	VOLUME (gallons) TANK TYPE	SCREEN/ FLAPPER	>10' FROM TANK	LAST CLEANED/ INSPECTED	TELEME -TRY	TURNOVEI (Per Day)	

Yes 🛛

No 🗌

PWS ID Number: KY08002	73					Agency Inter	est Number:	2987
					J.			
Are all storage tanks profess piping)? How often are tank	ionally inspectors: INSPECTI	ed at least ever ED <u>5 yrs</u> and	y 5 years (includ CLEANED <u>as</u>	ling interior, needed?	coating sys	tems, &		
Are all storage tanks and was sites fenced for security?	ter plants equip	ped with hatch	nes, covers, scree	ens, vandal g	uards and lo	ocks and all tank	Yes 🛚	No 🗌
Are all hatches, screens, and	overflows on t	he storage tanl	ks checked at lea	st monthly?			Yes 🖂	No 🗌

Is there corrosion protection in the tanks?

COMMENTS: Tank list attached in separate document.

DISTRIBUTION BOOSTER PUMPS AND/OR BOOSTER DISINFECTION FACILITIES  Inspected								
	LOCATION		PUMP or	NUMBER & CAPACITY OF	DISINFECTION	AUXILIARY		
ROAD/AREA	LATITUDE	LONGITUDE	DISINFECTION	PUMPS (gpm)	TYPE	POWER		
				@				
				@				
				@				
				@				
				@				
				@				
				@				
				@				
				@				
				@				

		DISTRIBUTION (a minimum of			
SITE	CHLORINE		II	TURBIDITY	OTHER
	FREE	TOTAL	рН	TORBIDITT	OTIEK
Speedway	1.69	1.80			
Sewer Plant	1.57	1.66			
HW 3 Subway	1.74	1.89			
Fire Dept	1.61	1.73			

PWS ID Number: KY0800273	Agency Interest N	Agency Interest Number: 2987			
Is the system maintaining the required chlorine (0.2 mg/l) system?	/ chloramine (0.5 mg/l) residuals in the distribution	Yes 🛚	No 🗌		
COMMENTS: Tank list attached in separate document.					
M.	AINTENANCE				
Is plant housekeeping adequate?	Y	Yes 🛛	No 🗌		
Is distribution storage housekeeping adequate?	Yes 🛛	No 🗌			
Are adequate supplies of spare parts kept on hand?	Yes 🛛	No 🗌			
Are needed tools available?	Yes 🛛	No 🗌			
If not, is preventive maintenance performed?	Yes 🗌	No 🗌			
Is a lock-out/tag-out system used for electrical repairs?		Yes 🛚	No 🗌		
What is the general condition of operating equipment? Good					
COMMENTS:					
	CUMENTATION				
	✓ all that apply)  ☐ Photographs obtained by DEP				
✓ Instrument readings taken by DEP ☐ Other documentation					
		an Area and	lancia Directoria		
OVERALL TECH	NICAL COMPLIANCE STATUS				
No Violations Observed     ■					
☐ No Violations Observed - Advisory Action Taken (Impend	ding trends)				
Out of Compliance – Verbal notice given (Non-recurrent	deficiency noted or violation corrected at time of inspection	n.)			

TITLE: Environmental Inspector III

INSPECTOR: Robert Back

DATE: 4/29/14

TANK INDEX					
NO.	NAME	SIZE (1000)	OVERFLOW ELEV.		
T1A	BUCK CREEK	150	991		
T2A	LITTLE ROCKCASTLE	150	1080		
T3A	292 SOUTH	100	1113		
T4A	BIG ELK	100	1080		
T5A	WOLF CREEK	100	819		
T6B	CLEARWELL	(2) 500	894		
T7B	COLDWATER	150	853		
T8B	TURKEY	50	9,83		
T9B	INEZ	500	860		
T10B	INEZ	150	860		
T11B	KY 40 W	200	1171		
T12B	CALLOWAY	100	1164		
T13B	MIDDLE FORK	260	942		
T14B	BUFFALO HORN	50	950		
T15B	BIG SANDY AIRPORT	1040	1360		
T16B	KY 645	67	1026		

を表と

# ENERGY AND ENVIRONMENT CABINET KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER Routine Surface Inspection

Site/Permit ID: 0800273	Division:	Division: Water		Regional Office: Hazard	
Site Name: MARTIN CO. WA	Γ,	Program: Drinking Water			
Site Address: HC69 Box 875					
City: INEZ		ate: KY Zip: 41224		Count	y: Martin
Inspection Type: Routine Surfa	ace	Purpose	: Comprehensi	ve	AI #: 2987
Inspection Date: 9/15/15			Time: Start 9.05 AM End 9.30 AM		
Latitude: 37 52 20.3	Longitude: 82 31 09.8				
Coordinate Collection Method	receiver		Revisio	on Code: 112108	
	Dri	inking W	ater Data		
Plant Name: MARTIN CO.	Contact Name: Tom All		ey		
WATER DISTRICT					
Phone No.: 606-298-3885 Fax No:				Email Ad	dress:

# I. Administrative Requirements

#### **Comments:**

I. Compliance Status - Not Evaluated

# II. Operator Certification/Accreditation Requirements

Operator in Charge or on duty.

Operator Name	Plant Certification #	Distribution Certification #
Tom Alley	0716	
Mike Sartin		09709

#### **Comments:**

II. Compliance Status - Not Evaluated

# III. Record Keeping Requirements

#### **Comments:**

III. Compliance Status - No violations observed

# **IV. Reporting Requirements**

#### **Comments:**

#### IV. Compliance Status - No violations observed

V. Operation & Maintenance/Performance Requirements				
Plant Type: C N P Service Connections:3100 Population Served:10,246				
Average Production MGD: 1.6 Max. Production MGD: 1.9 Design Capacity MGD: 2.0				
Source:Tug Fork and Reservoir				

RATING CODES: S1=No Violations Observed; S2=No Violations Obs-but impending viol trends obs; U1=Out of Compliance-No action taken; U2= Out of Comp-LOW non-recurrent Adm. or O & M; U3= Out of Compliance-NOV; NA = Not Applicable; NE = Not Evaluated. (Add additional comments if U1-U3.)

	RATING	Equipment / Inspection Data	Checking block means item is present:
	S1	a) Intakes, pumps, piping 🛛	# Of Levels # Pumps2 Max pump.1440
		b) Aeration	
	S1	c) Rapid mix 🛛	Type: Mechanical paddle If other:
CHEMICAL	SI	d) Flocculation 🖂	# of Stages 1 # of Trains 2 Variable Speedyes
& PHYSICAL	S1	e) Sedimentation	Type: Up flow # of trains:2
TREATMENT	S1	f) Chemical feed coagulation	Polyaluminum Cl/SO4
		g) Carbon Feed:	Feed Site1: Feed Site 2:
	S1	h) Filters & controls	Dual Media Filter to Waste 🔀
	S1	i) Filters / size sq.ft each./ rate	# 4 Size245 Filtration Rate:2
	S1	j) Automatic analyzers:	Chlorine:  ☐ Turbidity: ☐ Each filter: ☐ pH: ☐
	S1	k) Chemical storage:	Dry on pallets?  Chemical containment:
	S1	1) Clearwell / screened vents	Size:100,000 Baffling: ☐ Locked ☒ Screened ☒
	S1	m) Pumps # and size in gpm	High Service2 @ 1400 Backwash 1 @ 2600
SITE DATA	S1	n) Site Data: Sewer Plant	Cl. Free:1.21 Total: pH:
	S1	o) Site Data: Speedway	Cl. Free: 1.37 Total: pH:
		p) Site Data:	Cl. Free: Total: pH:
		q) Site Data:	Cl. Free: Total: pH:
	S1	r) Disinfection Pre: Post:	Pre Type: Chlorine gas Post type:
	S1	s) Automatic chlorinator 🖂	Automatic changeover   Proper Fan
DISINFECTION	S1	t) Separate room & ventilation	Crash Bar 🛛 Alarm 🖂
	S1	u) Safety equipment	SCBA Ammonia Detector
	S1	v) Laboratory equipment	Adequate Space X Equipment X Lighting:
LABORATORY	S1	(1) Turbidimeter 🔀	Type: hach Last calibrated: daily
&	S1	(2) Adequate reagent supply	Xes □ No
RECORDS	S1	(3) Chlorine Test Kit 🔀	Type: lamotte DPD reagent up-to-date: X Y N
	S1	w) Monthly operating reports	Daily Record Sheet Agreement:
	SI	x) Housekeeping	
	S1	y) Master meter; Recorder	Raw: Finished: ; Raw: Finished: X
DISTRIBUTION		z) Blowoffs / hydrants; flushing	Flushing Schedule: Blowoffs on deadends:
	S1	aa) Water storage:	# of Tanks 16 Total Storage: 3 million
		bb) Booster pumps / chlorinators	Booster pumps: Booster chlorinators:
PLANT	S1	cc) Plant Data:	Cl free: 1.74 total: pH:
ON	S1	dd) Turbidity	Raw: Settled: Combined Filter:0.09
SITE		ee) Bacteriological monitoring	Samples per mo. Records:
OBSERVATION	S1	ff) No cross-connections observed	None observed: Observed: Program:
		gg) Wastewater discharge	KPDES Is sizing adequate? Yes No

V. Compliance Status - No violations observed		
VI. Discharge/Emission Compliance		
Comments:		
VI. Compliance Status - No violations observed		
VII. Monitoring/Analyses Evaluation		
Comments:  VII. Compliance Status - No violations observed		
VIII. Environmental /Health Impact		
Work Site Hazard Assessment:		⊠ REVIEWED
Comments:		
VIII. Compliance Status – No violations observed		
IX. Documentation		
<ul> <li>Samples taken by DEP</li> <li>Samples taken by outside source</li> <li>Instrument readings taken by DEP regional office</li> <li>Photographs obtained by DEP</li> <li>Copies of records obtained by DEP</li> <li>Other documentation</li> </ul>		
Inspector: Robert D. Back Title: Environmenta	l Inspector III	<b>Date:</b> 09/15/15
Signature:  E-Signed by Robert Back VERIFY authenticity with Approveit		

**Comments:** 

Overall Compliance Status

No violations observed

No violations observed, but impound Out of Compliance- No action ta		
Out of Compliance LOW non-re	current administrative or O & M	
Out of Compliance - NOV		
Comments:		
omments.		



STEVEN L. BESHEAR GOVERNOR LEONARD K. PETERS SECRETARY

### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water 233 Birch St Hazard, KY 417012115 www.kentucky.gov

September 21, 2015

Martin Co Water District 14 Flat Hollow Inez, Kentucky 41224

RE:

Martin Co Water District -- 2987

Permit No.: KY0800273 Martin County, Kentucky Activity ID: CIN20150002

Dear Martin Co Water Dist:

Attached for your information and records is a copy of the DW Comp-Surface performed at Martin Co Water District on September 15, 2015.

If you have any questions or comments concerning this inspection, please contact the Hazard Regional Office at: (606) 435-6022.

Sincerely,

E-Signed by Robert Back VERIFY authenticity with Approve It

Robert Back Environmental Inspector Hazard Regional Office Division of Water

RB

Enclosure:



Steven L. Beshear Governor

Leonard K. Peters Secretary Energy and Environment Cabinet



Commonwealth of Kentucky

Public Service Commission
211 Sower Blvd.
P.O. Box 615

Frankfort, Kentucky 40602-0615

Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

October 9, 2015

David L. Armstrong Chairman

James W. Gardner Vice Chalrman

Daniel E. Logsdon Jr. Commissioner

Mr. William Harvey Martin County Water District 387 East Main Street, Suite 140 Inez, KY 41224

Re:

Periodic Water Inspection

Martin County Water District water system

Martin County, KY

Dear Mr. Harvey:

Public Service Commission staff performed a periodic inspection of the Martin County Water District water system on December 10, 2014, reviewing utility operations and management practices pursuant to Commission regulations. The report of this inspection is enclosed with this letter.

Based on the inspector's observations, the following deficiencies were identified:

- 1. Martin County Water District was not conducting pressure recordings through its system as required in <u>807 KAR 5:066 Section 5(2)</u>. This regulation requires that a pressure gauge be maintained for a minimum of one week per month in continuous service at some representative point on the utility's mains.
- 2. The tariff for Martin County Water District does not address penalties for fire departments not reporting their unmetered water usage to the District as required in 807 KAR 5:095 Section 9. This regulation requires fire departments to report their water use quarterly, and that the penalty for not submitting these reports shall be stated in the tariff.
- 3. Martin County Water District failed to obtain Certificates of Public Convenience and necessity on construction projects that extended the area where water service is available to customers in 2013. This is a violation of <a href="KRS 278.020">KRS 278.020</a> which requires a Certificate of Public Convenience and Necessity before beginning construction on water line projects.

The following deficiency was noted on the previous inspection on April 11, 2012. This deficiency from the previous inspection has not been addressed. It will need to be addressed with this inspection.



Periodic Water Inspection Martin County Water District water facilities October 9, 2015 Page 2 of 2

4. Unaccounted for water loss is over 60%, above the 15% recoverable water loss that is permitted to be recovered in rates as required in <u>807 KAR 5:066</u> Section 6(3).

For the four deficiencies listed above, you will need to inform PSC Staff how you will remedy these deficiencies. You will need to address each deficiency in a letter providing the following information for each deficiency:

- Why the deficiency occurred
- What is being done to correct the deficiency
- What action is being taken to prevent this deficiency from occurring again

The letter addressing the District's actions regarding the deficiencies needs to be returned by November 23, 2015.

These deficiencies were not addressed with the April 11, 2012 inspection. They appear to have been corrected in the December 10, 2014 inspection, but shall continue to be monitored by the Martin County Water District.

- 5. Martin County Water District needs to test all of its meters every ten years. While 600 meters were tested in 2014, it appears that this number is a catch up spurt. A regular, planned meter testing program needs to be established.
- Employees need to be trained in accepted methods of artificial respiration.
   This needs to be a routine process for new employees and for necessary refresher training.

If you have any questions regarding this inspection, feel free to contact me at 502-782-2614 or via email at Mark.Rasche@ky.gov.

Sincerely,

Mark Rasche, P.E., Manager Water and Sewer Branch Division of Engineering

**Enclosures** 

Copy: Mr. John Mills

Martin County Water District 387 East Main Street, Suite 140

Inez, KY 41224

# COMMONWEALTH OF KENTUCKY **PUBLIC SERVICE COMMISSION UTILITY INSPECTION REPORT**

Report Date: December 12, 2014 Report Number: MartinCountyWD121014

### BRIEF

Inspector:

Jason Pennell

Inspection Date:

December 10, 2014

Type of Inspection:

Periodic Regulatory Compliance Inspection

Type of Facility:

Treatment and Distribution

Name of Utility:

Martin County Water District

Location of Facility:

387 East Main Street Suite 140

Inez, KY 41224

Purpose of inspection:

Periodic inspection of utility facilities operation and maintenance practices to

verify compliance with PSC regulations.

Applicable Regulations:

KRS Chapter 278 and 807 KAR Chapter 5

## INSPECTION

**Description of Utility:** 

Distribution system

**Number of Customers:** 

3,700

Area of Operation:

Martin County

**Supply Source:** 

Martin County Water District Water Treatment Plant

**Distribution Description:** 

Average daily consumption of approximately 1,884,997 gallons; 300 miles of

distribution line; total storage capacity of approximately 2,617,000

**Workforce Summary:** 

13 Employees

Utility Reps. in Inspection: Joe Hammond, Consultant, John Mills, Superintendent, and Tom Allley, Water

Plant Operator

Date of Last Inspection:

April 11, 2012

DTR from Last Inspection: 5

**DTRs not Cleared:** 

# COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION UTILITY INSPECTION REPORT

Report Date: December 12, 2014
Report Number: MartinCountyWD121014

### **FINDINGS**

Utility did not produce pressure charts that showed a continuous 24 hour pressure recording for one week per month. 807 KAR 5:066, Section 5(2).

Martin County Water District has not filed with the Commission a copy of its water purchase contracts where the utility purchases water from Mountain Water District and Kermit, WV as required by 807 KAR 5:013, Section 13.

Utility does not have a tariff in place requiring fire departments, who withdraw water from its water distribution system for fire protection or training purposes, to report usage or a penalty for failure to submit the reports 807 KAR 5:095, Section 9(1)(2).

# ADDITIONAL INPECTOR COMMENTS

Water loss for 2012 was 60.87 percent and water loss for 2013 was 60.86 percent.

During the inspection visit, the utility was made aware of the regulatory change to 807 KAR 5:006, Section 26 Section (3) which requires the addition of the date, time of inspection, and the person conducting the inspection onto inspection logs/forms of facilities. Commission Staff will verify this on the next inspection visit.

The utility stated that they have added two meters to its system to help monitor leaks. The utility is also working with Kentucky Rural Water to help identify leaks.

In 2013 the utility replaced 3 miles of distribution main and the service connections on the main. The project was financed with Coal Severance money.

Submitted by

Sason Pennell

Utility Regulatory and Safety Investigator III

# Division of Engineering Water and Sewer Branch Water Utility Inspection

General Information	
TREATMENT FACILITY	
ource Water:	
eservoir lake supplied by pumping from the Tug River	
ant Capacity:	
3 million gallons per day	
/g. Amount Produced:	
884,997	
ant Constructed	
69	
ant Expansion (if any):	
1987 clarifier # 2 was added and in 2000 clarifier # 3 was added.	

6.	Source Water:
	The utilities water treatment plant, but the utility has the ability to purchase water from Kermit, WV and Mountain Water District in an emergency situation.
7	Area of Operation
	Martin County
8.	Miles of Water Line
	300 miles of 14"-1"
9.	Avg. Amount Purchased:
	Does not purchase water from another utility
10.	Yearly Avg. Loss:
	2013-60.86%
	2012-60.87%
11.	Does the utility's unaccounted-for water loss exceed fifteen percent (15%) of total water produced and purchased in accordance with 807 KAR 5:066, Section 6(3)?
	Yes
12.	How does the utility control its water loss in the system?
	Leak detection, the utility has 16 master meters they use to help with leak detection.  The utility is also starting to work with Kentucky Rural Water to help with locating leaks.
13.	Does the utility have a proactive water loss prevention/leak detection program in place?
	Yes

14.	Does the utility have a tariff in place to require water users, for the purpose of fighting fires or training firefighters to any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district, to maintain estimates of the amount of water used for fire protection and training, and to report this water usage to the utility on a regular basis per KRS 278.170(3)?		
	Yes, but no fine		
15.	Is the utility limited by contract to purchase a minimum amount of water per month?  If so, List the minimum amount:		
	No		
16.	Is the utility limited by contract to a maximum amount of water per month? If so, what is the maximum amount allowed:		
	No		
17.	Does the utility wholesale water to other utilities? If so, what utilities:		
	No		
	NUMBER OF CUSTOMERS		
	NOMBER OF COOTOMERO		
18.	List the number of customers last billing period:		
	3,700		
19.	List the number of requests for service (meter connections) received by the utility:		

	LAST INSPECTION FOLLOW-UP	
Date	of last PSC inspection and number of deficiencies noted in the last report	
insuff	11, 2012, 5 deficiencies (Unaccounted for water loss, fire department tariff, icient meter testing, not providing safety training, not providing instruction for its byees in accepted methods of artificial respiration).	
Did t	Did the utility respond to the deficiencies noted in the last inspection report?	
Could	d not find a response from the Utility	
	OFFICE INFORMATION	
	the utility display its rates and conditions for service or a sign stating the vailable for review in accordance with KRS 278.160(1)	
Yes		
publi	the utility provide in its place of business a suitable area available to the ic for inspection of its tariffs, rules and regulations, and statutes in rdance with 807 KAR 5:011Sec.12?	
Yes		
Does Sec.1	the utility have any special contracts in accordance with 807 KAR 5:011	
Yes		
	the utility filed these contracts with the Commission?	

	No .
•	Is the utility posting and maintaining regular business hours and providing employees to assist their customers in accordance with 807 KAR 5:006 Sec. 13(1)?
	Yes
•	Is a telephone number published in all areas served (if service area extends to other counties) to permit customers to contact the utility in accordance with 807 KAR 5:006 Sec. 14(1)?
	Yes
	Does the utility have at least one employee designated to resolve disputes, answer questions, and negotiate partial payment plans in accordance with 807 KAR 5:006 Sec.14 (1)(a):
	Yes
	How many employees does the utility have?
	13- 4 water treatment operators, 6 distribution operators, and 3 office employees
	How many days a week is the office open in accordance with 807 KAR 5:006 Se 14(1) (b)?
	5
	As a minimum for utilities under \$250,000 gross annual operating revenue, are the customers of the utility provided with a designated representative available during utility's established working hours at least one day a week for (7) hours answer questions they may have?
	N/A

	Yes
33.	Does utility have on file at its principal office an updated water distribution system map in accordance with 807 KAR 5:006 Sec.23?
	Yes
34.	Has utility filed a copy of such map upon request with the Commission?
	Not requested
35.	Are all records required by PSC regulations kept in the office of the utility and available to staff of the PSC upon reasonable notice at all reasonable hours per 807 KAR 5:006 Sec. 24?
	Yes
36.	Does the utility have an Operation and Maintenance Manual per DOW's regulation 401 KAR 8:020 Section 2(13) and PSC regulation 807 KAR 5:066 Section 3(1)?
	Yes
37.	Does this manual contain a proactive meter testing/replacement (change out) plan?
	Yes
38.	Does this manual contain a proactive leak detection/water loss prevention plan?
	Yes
39.	Does this manual contain a proactive asset management/replacement plan?
	No

	CONSTRUCTION
What was the last calendar year the utility performed any construction?	
	2013
How was the project financed?	
	Coal Severance
	The construction project consists of:  Length of water line: 3 miles of water line and the service lines  Number of pump stations:  Number of water storage facilities
	Additional construction:
	N/A
	Did the utility receive Commission approval for this project in accordance with KRS 278.020 or KRS 278.023?
	No
	If yes, were as-built plans and a certified statement submitted to the Commission within 60 days of substantial project completion?
	No
	If not, was a written opinion by Commission staff regarding ordinary course of business (807 KAR 5:001 Sec.9) received by utility?
	No

47. Proposed construction projects:

	None
48.	Will the utility be applying for a Certificate of Public Convenience and Necessity (CPCN)? If not, explain.
	N/A
49.	Will the utility be requesting Commission staff opinion to see if proposed construction is within ordinary course of business per 807 KAR 5:001, Sec. 9
	No
	METER TESTING INFORMATION
50.	Does the utility make quarterly reports on forms prescribed by the Commission, of meter tests, number of customers and amount of refunds in accordance with 807 KAR 5:006 Sec. 4(4)?
	Yes
51.	Does the utility test its own meters?
	Yes up to a 1" meter
52.	Are utility employees certified by the Commission to do their own meter testing in accordance with 807 KAR 5:006 Sec. 17(4)?
	Yes
53.	How do you ensure utility meter testing staff are trained and updated on the latest procedures?
	Public Service Commission

54.	How does the utility ensure that meter testing equipment remain in a condition to deliver reliable testing results?
	Public Service Commission
55.	Does the utility have an outside agency perform its meter testing per KAR 5:006 Sec. 16(2)? If yes, provide outside agency name:
	CI Thornburg on meters over 1"
56.	Has the Commission been notified?
	Yes
57.	Is the utility storing any or all of its meter test and historical data in a computer storage and retrieval system in accordance with 807 KAR 5:006 Sec. 18(4)?
	Yes
58.	Has the utility notified the Commission of this?
	Yes
59.	Does the utility keep a backup of this information? If so how often is this information backed up?
	Yes, daily
60.	Does the utility have installed at each source of supply, a suitable measuring device (master meter) per 807 KAR 5:066 Sec. 6(1)?
	Yes
61.	Who is responsible for the testing of the master meters?
	Martin County Water District
62.	Is meter testing responsibility explicitly specified in water purchase contract?
	Yes

63. Identify master meter, location, size and date last tested.

	Master Meter Size (location)	Date Last Tested
1	Kermit, WV 2"	Not in use
2	Mountain Water District 2"	Not in use

	\$6 ·	11011111111 -			
	2	Mountain Water District 2"	Not in use		
5:066 Sec.		all water meters periodically in acco	ordance with the 807 KAR		
Yes					
What test p	period is tl	he utility on for meters 1" and small	ler?		
10 years					
In the past	year, how	many meters 1" and smaller has th	ne utility tested?		
600 for 201	4				
How many tested?	How many 1" and smaller meters have been in service for 10 years without being tested?				
None					
		SAFETY PROGRAM			
Has the uti		ed and executed a safety program i	n accordance with 807		
Yes					

69. Does the utility have on site a safety manual with written guidelines for safe working practices and procedures to be followed by utility employees in accordance with 807 KAR 5:006 Sec. 25(1)?

Yes

	How does the utility instruct its employees in safe methods of performing their work per 807 KAR 5:006, Section 25(2)?
	Safety Meetings
	Are regularly scheduled safety meetings held? (Give schedule and last meeting date)
,	Yes, November 2014
	Do certain employees receive instruction in accepted methods of artificial respiration in accordance with 807 KAR 5:006 Sec.25 (3)?
•	Yes
	Are all vehicles equipped with First Aid Kits?
	Yes
	Are all vehicles equipped with Fire Extinguishers?
,	Yes
	Are safety lights used on all vehicles?
,	Yes
	Identify the person responsible for the Utility's Safety Program?
	Albert Osborne
	Did the utility experience any work related accidents of its employees within the last 12 months?

	N/A
	Was the accident(s) reported to the Public Service Commission in accordance with 807 KAR 5:006 Sec. 27?
	N/A
	Do all employees have identification that will identify them as an employee of thutility in accordance with 807 KAR 5:006 Sec. 20?
	Yes
	INSPECTION PROCEDURES
	Does the utility inspect all its facilities per 807 KAR 5:006 Sec. 26(6)(a), (b), and (c)?
	Yes
	Identify utility inspection personnel:
	John Mills
	Has the utility adopted a written inspection procedure to assure safe and adequate operation of its facilities per 807 KAR 5:006 Sec. 26(1)?
	Yes
	Has the utility conducted a vulnerability study for terrorist and other intentional acts in accordance with the Safe Drinking Water Act Title XIV Sec. 1433?
,	Yes

	llves:	Yes-on work orders
	imp Stations:	Yes
	ow-Off Valves:	Yes-on work orders Yes
	ater Storage Facilities: hicles & Construction Equipment:	Yes
	uildings:	Yes
	is the utility filed a copy of its inspecti cordance with 807 KAR 5:006 Sec. 26	on procedure with the Commission in (1)?
Ye	es	
ac	the inspection records identify the In tion taken to correct the deficiencies i (3)?	espections made, deficiencies found and in accordance with 807 KAR 5:006 Sec.
Ye	es	
pre	the utility allowed access to all utility' operty during reasonable hours for op th 807 KAR 5:006 Sec. 20?	s equipment located on a customer's peration and maintenance in accordance
Ye	es	
	pes the utility inspect all service lines on sumption in accordance with 807 KA	between the water meter and the place of AR 5:066 Sec. 9(3)?
lf r	not, does the utility substitute its insp propriate state health or local plumbi	ection for the inspection by an
He	ealth Department	
00. Is	proof of this inspection presented to	the utility?
Ye	es	
	METER	READING

	How often are the utility's meters read?
	Monthly
	Who reads the utilities meters?
	The utility reads all but approximately 2,000 meters. The meters that are not read are read by a contractor.
•	Is the utility keeping a record of all meter reading information per 807 KAR 5:006 Sec. 7(5)?
	Yes
•	Is the meter registration the same units as used for billing per 807 KAR 5:006 Sec 7(4)?
	Yes
•	Does the utility verify customer-read-meters at least once in a calendar year per 807 KAR 5:006 Sec. 6(5)? Has the utility included the form of bill to be used in its tariffed rules per 807 KAR 5:006 Sec. 6(5)?
	N/A
•	Does the utility charge any flat rates for unmetered service per 807 KAR 5:006, Sec. 7(2)?
	No
•	Does your utility provide free or reduced rate service to any person or entity per KRS 278.170? If yes, who?
	No

	N/A
	CUSTOMER COMPLAINTS
99.	Is the utility keeping a record of all customer complaints in accordance with 807 KAR 5:006 Sec. 10?
	Yes
100.	Does this record show the following in accordance with 807 KAR 5:006 Sec.10?
	Name of complainant: Address of complainant: Date and nature of complaint: Adjustment or disposition:
	Yes
101.	Are complaint records kept for two (2) years from the date of resolution?
	Yes
102.	Does the utility provide the complainant an oral or written notice of their right to file a complaint with the Commission including Commission's address and phone number for all complaints that are not resolved per 807 KAR 5:006 Sec. 10?
	Yes
	CUSTOMER SERVICE INFORMATION
103.	Does the utility provide a schedule of rates for water service applicable to the service being rendered to the customer per 807 KAR 5:066 Sec. 2(2)?
	Yes

104.	Does the utility provide information to customers on the method of reading meters per 807 KAR 5:066 Sec. 2(3)?
	Yes
105.	Does the utility have a statement of the past meter reading of a customer for a period of two years per 807 KAR 5:066 Sec. 2(4)?
	Yes
	WATER QUALITY/RECORDS
106.	Does the utility provide to any customer, upon request, a description in writing of chemical constituents and bacteriological standards of the treated water (such as the Consumer Confidence Reports "CCR" required by the Natural Resources Cabinet) per 807KAR 5:066 Sec. 2(1)?
	Yes
107.	Has the utility been in compliance with the water quality requirements of the Division of Water within the last twelve months per 807 KAR 5:066 Sec. 3(1)?
	No
108.	If not, how many violations did the utility receive, and what were they?
	One for combined turbidity above the limit.
109.	Is the utility under an Agreed Order with the Division of Water?
	No
110.	If yes, what are the issues?
	N/A

111.	Does DOW have utility on tap-on ban or a line extension ban?
	No
112.	Did the utility have any public notifications required by Division of Water regulations such as boil water advisories, notices, CCR, etc. that need to be reported to the Commission per 807 KAR 5:066Sec. 3(4)(b)?
	No
113.	Is the PSC notified of these public notifications?
	Yes
114.	Is a cross-connection prevention program available?
	Yes
115.	Has the utility made a physical connection between its distribution system and that of any other water supply in the past year per 807 KAR 5:066 Sec .3(3)(b)? If yes, what system?
	No
116.	Was the Commission notified prior to such connections?
	N/A
117.	Is there a contract between systems?
	N/A
	CONTINUITY OF SERVICE

118. Does the utility keep a record of all interruptions per 807 KAR 5:066 Sec. 4(5)?

	On work orders
119.	Does this record contain the following information:
	Date of interruption:
	Cause of interruption: Time of interruption:
	Duration of interruption:
	Remedy and steps taken to prevent recurrence:
	Yes
120.	Does the utility notify all customers and fire officials, if applicable, affected by a scheduled interruption per 807 KAR 5:066 Sec. 4(2)?
	Yes
121.	If yes, does this information state time and anticipated duration?
	Yes
122.	Does utility notify fire protection officials, if applicable during emergency interruptions per 807 KAR 5:006 Sec. 4(1)?
	Yes
123.	Does the utility have available dual/standby pumps capable of providing the maximum daily pumping demand of system for use when any pump is out of service pursuant to 807 KAR 5:066, Sec. 4 (3)?
	Yes
124.	Will one pump meet the maximum dally pumping demand for its affected customers?
	Yes
	*

125.	Do both pumps need be operated simultaneously to meet maximum daily demand?
	No
126.	Are both pumps operational at this time?
	Yes
127.	How does utility ensure that both pumps are operational?
	Inspection of pumps and alternate when the pumps are operating
128.	How does utility operate/control its pump stations?
	SCADA
129.	If utility does not have dual pumps, are standby pumps available to meet the maximum daily demand?
	N/A
130.	Identify those locations of pumping stations in your system where standby pumps are not available, if any.
	N/A
131.	Does the utility keep a record of all water flushed from hydrants?
	No
132.	Are all dead ends provided with a flushing device per 807 KAR 5:066 Sec. 8(2)? If no, how many need a flushing device?
	Yes
133.	Are all dead ends flushed at least annually per 807 KAR 5:066 Sec. 8(2)?

	Yes
134.	Are all flush hydrants properly sized in accordance with 807 KAR 5:066 Sec. 8(2)? Yes
135.	Does the utility keep a maintenance record on flush valves?  On work orders
136.	Who is in charge of the flushing program?  Raymond Jude
137.	Does the utility keep a record of its valves in its distribution system?  Yes
138.	Does the utility have a periodic exercise program for its valves?  Yes
139.	Poes the utility mark the location of its valves?  Yes
140.	Who is in charge of the valve program?  Raymond Jude
141.	Does the utility provide fire hydrants for fire protection?  No

142.	Do the local fire officials provide the utility with records of water used for fire protection?
	Rarely
143.	Are fire hydrants constructed after 1992 certified as having adequate and reliable fire flows by a professional engineer with a Kentucky registration per 807 KAR 5:066 Sec. 10(2)(b)?
	N/A
144.	Who is responsible for maintenance of fire hydrants?
	N/A
145.	Does fire protection adversely affect utility customers' service quality during use? If yes, how:
	N/A
	WATER PRESSURE
146.	Does the utility own at least one recording pressure gauge per 807 KAR 5:066 Sec. 5(2)?
	Yes
147.	Number of pressure recorders owned by the utility?
	1
148.	Number of pressure recorders in working order by the utility?
	1
149.	Is the utility maintaining a recording pressure gauge in its distribution system at least one week per month per 807 KAR 5:066 Sec. 5(2)?

No					
150.	Number of pressure charts over the last twelve months?				
	0				
151.	Do pressure charts show the date and time of beginning and ending of the test and the location at which the test was made per 807 KAR 5:066 Sec. 5(3)?				
	N/A				
152.	Are pressure survey records maintained at the utility's principal office per 807 KAR 5:066 Sec. 5(3)?				
	N/A				
153.	Does the pressure at any customer's service pipe anywhere in system area fall below (30) psig or exceed (150) psig per 807 KAR 5:066 Sec. 5(1)?				
	Utility stated it does not				
	WATER SHORTAGE RESPONSE PLAN				
154.	Has the utility filed a Water Shortage Response Plan with the Natural Resources Cabinet?				
	Yes				
155.	Has the utility filed a copy of this plan with the Public Service Commission per 807 KAR 5:066 Sec. 17?				
	Yes				

# WATER STORAGE FACILITIES

# 156. Provide tank location, storage capacity, last inspection and maintenance performed on all storage facilities:

	Tank and Location	Storage and	Last Inspection/	
		Capacity Gallons	<u>Maintenance</u>	
1	Bucks Creek	500,000	10/20/14	
2	Little Rockcastle	150,000	10/25/14	
3	292 South	100,000	10/25/14	
4	Big Elk	100,000	11/2/14	
5	Clear Well Tanks (2)	(2) 500,000	11/20/14	
6	Turkey	50,000	11/6/14	
7	Marcus Wells	200,000	10/28/14	
8	Calloway	100,000	11/1/14	
9	Otto Brown	260,000	12/7/14	
10	Buffalo Horn	50,000	10/31/14	
11	Big Sandy Airport	1,040,000	11/2/14	
12	KY 645	67,000	12/1/14	

# 157. Total Storage Capacity

2,617,000

# 158. Average Daily Consumption

2013 annual report 1,884,997 gallons per day

159. Will more storage facilities be proposed and when will this be done?

	No				
160.	If total storage capacity is less than average daily consumption, will a deviation from 807 KAR 5:066 Sec. 4(4) be requested and when will this be done?				
	N/A				
	PUMPING FACILITIES				

# 161. Provide pump location, number of Pumps/GPM, last inspection and maintenance performed on all pumping facilities:

	Pump Location	No. of Pumps	Last Inspection/
		<u>GPM</u>	<u>Maintenance</u>
1	KY 40 East	2/500	12/20/13
2	Big Elk	2/240	12/20/13
3	Bone Hollow	2/30	12/15/13
4	KY 292	2/130	12/29/13
5	Turkey	2/90	12/12/13
6	KY 40	2/420	12/20/13
7	Calloway	2/90	12/10/13
8	Otto Brown	2/245	11/2/14
9	KY 645	2/90	11/2/14
10	Peter Cave	2/30	11/2/14
11	Buffalo Horn	2/60	12/15/13
12	Davella	2/350	12/10/13
13	Cassell Branch	2/30	12/15/13
14	Big Lick Branch	2/30	12/15/13

Martin County Water District December 10, 2014 Page **25** of **26** 

15	Meathouse	2/25	12/15/13
1100			

Field Review: (System - Storage Tanks - Pump Stations)

# Facilities Reviewed:

1.

Tank:

Clearwell #1

Capacity:

250,000

Condition:

No visible issues

2.

Tank:

Clearwell #2

Capacity:

250,000

Condition:

No visible issues

3.

Pump Station:

40 West

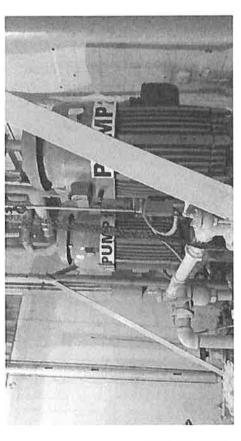
Condition:

No visible issues

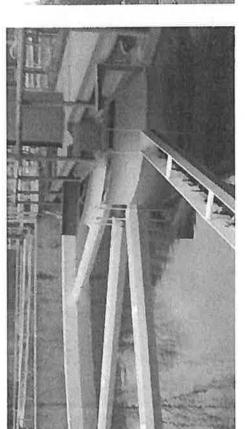
# Martin County Water District December 10, 2014



Meter Test Bench



Water Plant Pumps



Clarifier #2 at Water Treatment Plant



Clarifiers at Water Treatment Plant

# ENERGY AND ENVIRONMENT CABINET KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER Routine Surface Inspection

Site/Permit ID: 0800273	Water		Regional O	ffice: Hazard	
Site Name: MARTIN CO. WATER DISTRICT			Program: Drinking Water		
Site Address: HC69 Box 875					
City: INEZ	Stat	e: KY	Zip: 41224	Count	y: Martin
Inspection Type: Routine Surface	;		Purpose: Comprehensive AI #: 2987		AI #: 2987
Inspection Date: 2/22/16			Time: Start 9.55 AM End 1.10 PM		
Latitude: 37 52 20.3			Longitude: 82 31 09.8		
Coordinate Collection Method: G40-Handheld			receiver Revision Code: 112		on Code: 112108
Drinking Water Data					
Plant Name: MARTIN CO.   C	ontact Name	: Tom All	ey		
WATER DISTRICT			•		

Email Address:

# I. Administrative Requirements

Phone No.: 606-298-3885

### **Comments:**

I. Compliance Status - Not Evaluated

# II. Operator Certification/Accreditation Requirements

Fax No:

Operator in Charge or on duty.

Operator Name	Plant Certification #	Distribution Certification #
Tom Alley	17562	
Mike Sartin	21944	
Tim Reed/ Elbert Osborne	24590	27800

# **Comments:**

II. Compliance Status - Not Evaluated

# III. Record Keeping Requirements

# **Comments:**

III. Compliance Status - No violations observed

IV. Reporting Requirement
---------------------------

# **Comments:**

# IV. Compliance Status - No violations observed

V. Operation & Maintenance/Performance Requirements						
Plant Type: C N P Service Connections:3500 Population Served:10,500						
Average Production MGD: 1.8 Max. Production MGD: 1.96 Design Capacity MGD: 2.0						
Source: Tug Fork and Reservoir						

RATING CODES: S1=No Violations Observed; S2=No Violations Obs-but impending viol trends obs; U1=Out of Compliance-No action taken; U2= Out of Comp-LOW non-recurrent Adm. or O & M; U3= Out of Compliance-NOV; NA = Not Applicable; NE = Not Evaluated. (Add additional comments if U1-U3.)

	RATING	Equipment / Inspection Data	Checking block means item is present:		
	S1	a) Intakes, pumps, piping 🔀	# Of Levels # Pumps2 Max pump.1440		
		b) Aeration			
	SI	c) Rapid mix 🛛	Type: Mechanical paddle If other:		
CHEMICAL	S1	d) Flocculation 🖂	# of Stages1 # of Trains2 Variable Speedyes		
& PHYSICAL	S1	e) Sedimentation 🖂	Type: Up flow # of trains:2		
TREATMENT	S1	f) Chemical feed coagulation	Polyaluminum Cl/SO4		
	S1	g) Carbon Feed:	Feed Site1: rapid mix Feed Site 2:		
	SI	h) Filters & controls	Dual Media Filter to Waste 🖂		
	S1	i) Filters / size sq.ft each./ rate	# 4 Size312 Filtration Rate:2		
	S1	j) Automatic analyzers:	Chlorine: X Turbidity: X Each filter: X pH:		
	SI	k) Chemical storage:	Dry on pallets?  Chemical containment:		
	S1	1) Clearwell / screened vents	Size:100,000 Baffling: ☐ Locked ☒ Screened ☒		
	S1	m) Pumps # and size in gpm	High Service2 @ 1400 Backwash 1 @ 2600		
SITE DATA	S1	n) Site Data: Warfield Church	Cl. Free: 1.36 Total: pHt		
	S1	o) Site Data: Little Fork Hode Rd	Cl. Free: 1.29 Total: pH:		
	S1	p) Site Data: Route 3	Cl. Free: 1.20 Total: pH:		
	S1	q) Site Data: Inez	Cl. Free: 1.33 Total: pH:		
	S1	r) Disinfection Pre: 🛛 Post: 🖂	Pre Type: Post type:		
		s) Automatic chlorinator	Automatic changeover Proper Fan		
DISINFECTION		t) Separate room & ventilation	Crash Bar Alarm		
		u) Safety equipment	SCBA Ammonia Detector		
	S1	v) Laboratory equipment	Adequate Space X Equipment X Lighting : X		
LABORATORY	SI	(1) Turbidimeter	Type: hach Last calibrated: daily		
&	S1	(2) Adequate reagent supply	☐ Yes ☐ No		
RECORDS	S1	(3) Chlorine Test Kit 🖂	Type: lamotte DPD reagent up-to-date: X Y N		
	SI	w) Monthly operating reports	Daily Record Sheet Agreement:		
	S1	x) Housekeeping	good		
	S1	y) Master meter; Recorder	Raw: Finished: Raw: Finished:		
DISTRIBUTION	S2	z) Blowoffs / hydrants; flushing	Flushing Schedule: Blowoffs on deadends:		
	S1	aa) Water storage:	# of Tanks 16 Total Storage: 4.47 million		
	S1	bb) Booster pumps / chlorinators	Booster pumps: Booster chlorinators:		
PLANT	S1	cc) Plant Data:	Cl free: 1.46 total: 1.55 pH: 7.14		
ON	S1	dd) Turbidity	Raw: Settled: Combined Filter:0.06		
SITE	S1	ee) Bacteriological monitoring	Samples per mo. Records:		
OBSERVATION	S1	ff) No cross-connections observed	None observed: Observed: Program:		
	S1	gg) Wastewater discharge	KPDES Is sizing adequate? Yes No		

Comments: Wolf creek, Coldwater, Inez 1&2 tanks are not in service. The system does not use these tanks at this time. The System has switched from gas chlorine to liquid bleach disinfectant. The system is using a Thornsorb activated carbon system. The water treatment plant has a 100,000 gallon clearwell at the plant and two 500,000 gallon clearwell tanks on the hill above the plant.

The system needs to perform a complete system flush however approximately 50% water loss and low storage due to distribution leaks in the Warfield area make it difficult. Failure to properly flush the system will make meeting future DBP limits a difficult task.

V. Compliance Status - No violations obs-but impending viol trends obs

VI.	Discharge/Emission Compliano	e		
Con	nments:			
VI.	Compliance Status - No violati	ons observed		
VI	. Monitoring/Analyses Evaluati	on		
]	nments: The system has multiple Division of Enforcement is addre Compliance Status - Out of Con		ets from	n the 2015 year. The
VI	II. Environmental /Health Impa	net		
Wo	ork Site Hazard Assessment:		HED	⊠ REVIEWED
Con	nments:			
VIII	. Compliance Status – No viola	cions observed		
IX.	Documentation			
	Samples taken by DEP Samples taken by outside source Instrument readings taken by DEP Photographs obtained by DEP Copies of records obtained by Other documentation	DEP regional office		
Tono	mantam Dahart D. Daale	Title Environmental Inspector III		Date: 2/22/16

lignature:	
E-Signed by Robert Back VERIFY authenticity with Approveit	
Overall Compliance Status	
No violations observed	
No violations observed, but impending violation trends observed	
Out of Compliance- No action taken	
Out of Compliance LOW non-recurrent administrative or O & M	
Out of Compliance - NOV	
omments: The system is currently dealing with the Division of Enforcement conscerning	ig DBP
violations from the 2015 year.	

Delivery Method: Regular Mail	Cert. Mail #:
Denvery Method, Regular Man	Cort. Wali #:



MATTHEW G. BEVIN
GOVERNOR

CHARLES G. SNAVELY SECRETARY

### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water 233 Birch St Hazard, KY 417012115 www.kentucky.gov

March 14, 2016

Martin Co Water District 14 Flat Hollow Inez, Kentucky 41224

RE:

Martin Co Water District -- 2987

Permit No.: KY0800273 Martin County, Kentucky Activity ID: CIN20160002

Dear Martin Co Water Dist:

Attached for your information and records is a copy of the DW Comp-Surface performed at Martin Co Water District on February 22, 2016.

The system should continue efforts to leak detect the distribution system and repair any issues as they are found. Measure should be taken to perform a full system flush twice per year while flushing dead ends as often as needed.

If you have any questions or comments concerning this inspection, please contact the Hazard Regional Office at: (606) 435-6022.

Sincerely,

E-Signed by Robert Back VERIFY authenticity with Approveit

Robert Back Environmental Inspector Hazard Regional Office Division of Water

RB

Enclosure:



# Energy and Environment Cabinet Department for Environmental Protection Division of Water

# Drinking Water Inspection Report

AI Type: WATER-Public Water System (2213)

**AI ID:** 2987

AI Name: Martin Co Water District
AI Address: 14 Flat Hollow
City: Inez, State: Kentucky Zip: 41224
County: Martin Regional Office: Hazard Regional Office
<b>Latitude:</b> 37.878887 <b>Longitude:</b> -82.51889
Site Contact: John Mills
Title: Manager
Inspection Type: Incident Investigation Activity #: CIV20160001
Incident IDs: 2391174
Inspection Start Date: March 17, 2016 Time: 02:30 PM End Date: March 17, 2016 Time: 02:55 PM
Lead DEP Investigator: Robert Back
Persons Interviewed: John Mills
<b>General Comments:</b> I spoke with Mr. Mills the manager of MCWSD about the complaint. He was sending a crew out to the site to check for a possible leak. He stated that he has chased many false reports of leaks in the area. He stated most of the ditches in the area flow all winter and any leaks are hard to find but assured me he would check for a leak at this location. <b>Overall Compliance Status:</b> C
Investigation Results
Documentation  ☐ Photos taken ☐ Documents obtained from facility ☐ Samples taken by outside source ☐ Request for Submission of Documents ☐ Compact of visual determination of opacity ☐ Samples taken by DEP ☐ Regional office instrument readings taken ☐ Other documentation
Inspector: Robert Back
E-Signed by Robert Back VERIFY authenticity with e-Sign
Date: 7/20/16
Received By: Title: Date: Delivery Method: US Mail



# **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

April 8, 2013

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

CERTIFIED MAIL:7012 1010 0002 5921 1446 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Eileen Burk at (502)564-3410 ext. 4842.

Sincerely,

Natalie Bruner

Drinking Water CTAB Supervisor

Natalte P. Brunein

Compliance & Technical Assistance Branch

Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

# NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2013 - 9951146 **Determination Date:** 04/01/2013

Compliance Period: 02/01/2013 - 02/28/2013

Violation Type: 36 MONITORING, RTN/RPT MAJOR (SWTR-FILTER) Tier Level: 3

Contaminant: 0999 CHLORINE

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:150, Sec 7(Large Systems with population of 10,000 or greater) or 401 KAR 8:150, Sec 8 (Small Systems with population of less than 10,000) CHLORINE The public water system failed to submit adequate sampling results to meet Chlorine summary requirements for the compliance period.

Comments: Failed to collect and report minimum daily chlorine residual samples at plant tap/distribution entry point (MOR p. 5) and throughout the distribution system (MOR p. 7) for February 2013.

The remedial measure(s) and date(s) to be completed by are as follows:

Submit any overdue or unreported sampling analytical results, if available, for the compliance period.

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

As an alternative to the two methods listed above, the PWS may optionally provide notice to consumers by including the required language of the notice in the next CCR delivered to consumers by the PWS providing that the CCR is delivered to consumers by mail.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Eileen Burk at (502)564-3410 ext 4842.

# ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Natalie Bruner

Drinking Water CTAB Supervisor

Natalte P. Brunen

Compliance & Technical Assistance Branch

Division of Water

Date: April 8, 2013

How Delivered: Certified/Registered #7012 1010 0002 5921 1446

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE

PWS: M	<u> Iartin (</u>	County	Water District	PWSII	KY0800273	Population: 10395
For Viol	ations(s)	:				
2013-99		MOR) Chlorine) urbidity)				JUL 1 2 2013
That occ	urred on	date(s):				BY:
2/1/2013	8 - 2/28/2 8 - 2/28/2 8 - 2/28/2	013			8"	
I, the un requiren	dersigned nents and	d, certify deadline	that public notice has been s of the Public Notificatio	n provided to our n (PN) requireme	consumers in accordants in 40 CFR 141.20	nce with the delivery, content, and format 1 to 141.210.
	1.	Consult	tation with DOW if requi	red, on:		
	2.	How no	otice was distributed (Inc	clude copy of ea	ch type of notice for	each notification)
	Primary	/	Date: 7-243	Method: maile	ed (printed on water	bill)
	Second	lary	Date: 7-3-13	Method: poste	ed throughout comm	unity
	3.	Copy s	ent to Consecutive Syst	ems (include da	ite, PWSID, and PW	'S name)
		(Use a	dditional sheets if neces	sary)		
$\boxtimes$	4.		t: All ten required elem			
	5,*;	Other (	attach description or ex	planation of add	litional methods use	d or use back of sheet).
Signatu	re:	JL.	Title: Manager  (General  Suite 140 Inez, K	<u>meneg</u> er )	Date: 7 - 8	-13
	606-298-					

# Notice by Martin County Water District - System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 2/1/2013 – 2/28/2013, we did not complete all monitoring or testing for chlorine and turbidity, and therefore cannot be sure of the quality of your drinking water during that time.*

There is nothing you need to do at this time. You may continue to drink the water. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

By the 10th of each month we must submit a Monthly Operation Report (MOR) to the Division of Water. The MOR for February 2013 did not arrive by the required deadline and this caused three violations. One violation for not submitting the MOR by the required deadline, another for not submitting daily chlorine results, and another for failing to submit the daily turbidity readings. (The chlorine results and turbidity readings are contained within the MOR.) We have modified our procedures to assure that the MOR arrives by the required deadline.

For more information, please contact John Mills at (606) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

# **Public Notification** "Posting Sites"

System: Martin County Water District

PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date 7-3-13

Name of Facility Martin County Health Dept Dempsey Housing Riverside Aparlments Quail Hollow Apartments 142 Martin County Library, Inez Martin County Library, Lovely Skeez Ward Manor Apartments

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills

Martin County Water District 387 East Main St., Suite 140 Inez, KY 41224

(606) 298-3885



7/20/2013

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

Return Service Requested

LOCATION 2737 N Wolf Crk

Service Meter# Prior Date Prior Read Read Date Cur Read Usages

**Bring Entire Card When Paying** 

In Person

\$100.15

**NET DUE NOW** 

\$100.15

After Hours Emergency Number: (606) 298-7439





Notice by Martin County Water District - System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 2/1/2013 – 2/28/2013, we did not complete all monitoring or testing for chlorine and turbidity, and therefore cannot be sure of the quality of your drinking water during that time.*

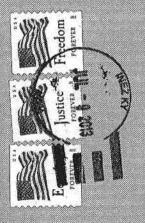
There is nothing you need to do at this time. You may continue to drink the water. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

By the 10th of each month we must submit a Monthly Operation Report (MOR) to the Division of Water. The MOR for February 2013 did not arrive by the required deadline and this caused three violations. One violation for not submitting the MOR by the required deadline, another for not submitting daily chlorine results, and another for failing to submit the daily turbidity readings. (The chlorine results and turbidity conditions are contained within the MOR). results and turbidity readings are contained within the MOR.) We have modified our procedures to assure that the MOR arrives by the required deadline.

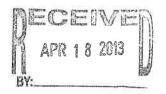
For more information, please contact John Mills at (608) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

MARTIN CO. WATER DISTRICT 387 E. Non St. Suit 140 INEZ KY 41224-9406



Attn: PN
Drinking Water Compliance & Technical Assistance
Compliance & Technical Assistance Branch
200 Fair Dats Lane, 4th Floor
Franklart, My. 40601



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mallplece, or on the front if space permits.	A. Signature  A. Signature  A. Algent  Addressee  B. Received by (Fringed Name)  C. Date of belivery  C. Date of belivery  D. Is delivery address different from Item 17  If YES, enter delivery address below:  No
JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST. SUITE 140 INEZ, KY 4 (224	3. Service Type  Certified Mail
	☐ Insured Mall ☐ C.O.D.  4. Restricted Delivery? (Extra Fee) ☐ Yes



# **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Secretary

Leonard K. Peters

R. Bruce Scott Commissioner

May 14, 2013

www.water.ky.gov

CERTIFIED MAIL:7012 1010 0002 5921 0746 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at 502-564-3410 ext. 4986 or email <a href="mailto:kellem.husband@ky.gov">kellem.husband@ky.gov</a>.

Sincerely,

Natalie Bruner

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT for ENVIRONMENTAL PROTECTION **DIVISION of WATER**

# NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2013 - 9951149 Determination Date: 05/02/2013

Compliance Period: 01/01/2013 - 03/31/2013

Violation Type: 02 MCL, AVERAGE Tier Level: 2

PWS Facility: 0800273DS001 DISTRIBUTION - MARTIN CO WATER DIST #1

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510, Section 1 TTHM The public water system exceeded the MCL (as an average of samples) for the specifed contaminant in the compliance period 01/01/2013 - 03/31/2013. The reported result of .083 mg/1 exceeded the MCL of 0.080 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at 502-564-3410 ext. 4986. ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410

Matale P. Brunen

Issued By:

Natalie Bruner Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

Date: May 14, 2013

How Delivered: Certified/Registered #7012 1010 0002 5921 0746

I WELL COMME		
SENGER: COMPLETE THIS SECT	ION	COMPLETE THIS SECTION ON DELIVERY
<ul> <li>Complete Items 1, 2, and 3. Also Item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the sound that we can return the card to the Attach this card to the back of the or on the front if space permits.</li> </ul>	ired. ne reverse	A. Signature  X Helen Proctor Agent  Addressee  B. Received by (Printed Name)  C. Date of Delivery
1. Article Addressed to:  JOHN MILLS  MARIEN CONVACER INCOME.	Vom (I)	D. Is delivery address different from item 1?  Yes If YES, enter delivery address below:  No
MARTIN CO WATER DISTI 287 E MAIN ST SUITE 140 INEZ, KY 41224	RICT#1	3. Service Type  Certified Mail Registered Resum Receipt for Merchandise Insured Mail C.O.D.
2. Article Number		4. Restricted Delivery? (Extra Fee)
(Transfer from service label)	2075 70	110 0002 5921 0746
PS Form 3811, February 2004	Domestio Res	turn Receipt KY 08 002 73 102595-02-M-1840



# **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

May 14, 2013

CERTIFIED MAIL:7012 1010 0002 5921 0739 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at 502-564-3410 ext. 4986 or email Kelleem.husband@ky.gov.

Sincerely,

Natalie Bruner

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

# NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2013 - 9951148 Determination Date: 05/02/2013

Compliance Period: 01/01/2013 - 03/31/2013

Violation Type: 02 MCL, AVERAGE Tier Level: 2

PWS Facility: 0800273DS001 DISTRIBUTION - MARTIN CO WATER DIST #1

Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510, Section 1 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL (as an average of samples) for the specified contaminant in the compliance period 01/01/2013 - 03/31/2013. The reported result of .068 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at 502-564-3410 ext. 4986. ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410

Issued By:

Natalie Bruner

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 14, 2013

How Delivered: Certified/Registered #7012 1010 0002 5921 0739

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE

PWS:	Martin	County Water District	PWSID: <u><b>KY0800273</b></u>	Population: 10395
For Vi	olations(s)	:		
	951148 ( 951149 (			
1/1/20	ecurred or	2013		
1/1/20	13 - 3/31/	2013		
I, the t	indersigne ements an	ed, certify that public notice has be d deadlines of the Public Notificat	een provided to our consumers in accordantion (PN) requirements in 40 CFR 141.201	ce with the delivery, content, and format to 141.210.
	1.	Consultation with DOW if req	uired, on:	
	2.	How notice was distributed (I	nclude copy of each type of notice for e	each notification)
	Primar	y Date: 5/31/2013	Method: with water bill	
20	Secon	dary Date: 5/31/2013	Method: posted throughout commu	inity
	3.	Copy sent to Consecutive Sy	stems (include date, PWSID, and PWS	S name)
		(Use additional sheets if nec	essary)	
	4.	Content: All ten required ele	ements are in the notice.	
	5.	Other (attach description or	explanation of additional methods used	d or use back of sheet).
Printe	d Name:	John Mills Title: Manager		
Signa	ture:	If nice	Date: 6/7/	2013
Addr	ess: 387 F	Main St Suite 140 Inez	z, KY 41224	

# Martin County Water District Water Quality Report 2012

Water System ID: KY0800273 Manager: John Mills 606-298-3885

CCR Contact: Tom Alley 606-298-7439 ctalley47@bellsouth.net

Mailing Address: 387 E Main St. Suite 140 Incz, KY 41224

Meeting location and time: Water District Office Fourth Monday at 4:00 PM

The majority of the water provided to Martin County Water District customers is treated by our water treatment facility. The source is Crum Reservoir and replenished from Tug River. Finished water was also purchased from Kermit, West Virginia whose source is the Tug River Fork, and Prestonsburg Utilities, which supplies some water to the Industrial Park. The source for Prestonsburg is the Levisa Fork of the Big Sandy River. All of these sources are surface water. Potential contaminant sources of concern include major roads, bridges and culverts. Other potential impacts include the coal industry, oil and gas industries, and straight pipes. Many of the potential contaminant sites are located along the Tug Fork of the Big Sandy in the counties of Mingo and Wayne in West Virginia. Each of the water systems has completed a Source Water Assessment Plan. The assessments are available for review at each of the respective water system offices and/or local public libraries. The assessment for Kermit ean also be reviewed by contacting the West Virginia Bureau of Public Health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or mining activities). In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water to provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

# Information About Lead:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Your local public water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

# Some or all of these definitions may be found in this report;

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using

Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny in \$10,000. Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. Unless otherwise noted, the report level is the highest level detected.

	Allov	Allowable		g Highest Singl			Lowest Violat			
	Lou	vels	Source	Measurer	mant	١,	donthly %		LU	cely Source of Turbidity
Turbidity (NTU) TT			M=	0.2		+	10111117 70			
* Representative samples		0.3 NTU in		0.			100	No	Soil runoff	
of filtered water		hly samples	- 1	0,2		-1	100	140		
				0.2	07					
Regulated Contaminant	l lest Res	uits	e l	Report		Rang	10	Date of	Violation	Likely Source of
Contaminant  code  (units)	MCL	MCLG	Source	Level			ction	Sample		Contamination
Total Coliform Bacteria	1	0		1	1	N/A		Арг & Мау	No	Naturally present in the
# or % positive samples								2012		environment
Alpha emitters	15	0	M=	1.7	1.7	to	1.7	Jul-08	No	Erosion of natural deposits
140001 (pCi/L)	"									
		0	P=	0.7	0.7	lo	0.7	Jul-11	No	Erosion of natural deposits
Combined radium	5	0	1,=	0.7	0,7	10	0,7	Jul-11	140	
(pCi/L)										Drilling wastes; metal
Barium			K=	0.056	0.056	to	0.056			refineries; erosion of natural
[1010] (ppm)	2	2	P=	0.05	0.05	to	0.05	Apr-12	No	deposits
									-	Corrosion of household
Copper [1022] (ppm)	AL =			0.030						plumbing systems
sites exceeding action level	1.3	1.3	M=	(90 th	0	to	0.28	Aug-11	No	pitulibing systems
0				percentile)						
Lead [1030] (ppb)	Al. =			3						Corrosion of household plumbing systems
sites exceeding action leve	15	0	M=	(90 th	0	to	6	Aug-11	No	
0				percentile)						
Nitrate			M=	0.41	0:41	to	0.41	Oct-12		Fertilizer runoff; leaching
[1040] (ppm)	10	10	Κ=	0.22	0.22	lo	0.22		No	from septic tanks, sewage; erosion of natural deposits
[,,,,,			P≃	0.44	0.44	to	0.44	Jul-12		SECTION .
Selenium			K≖	0.0016	0.0016	lo	0.0016		No	Discharge from petroleum and
[1045] (ppb)	50	50								metal refineries and mines;
[10,10] ([10,10]			_			_			-	erosion of natural deposits  Naturally present in
Total Organic Carbon (ppi	m)		M=	1.73	1	to	5.11			environment
(report level=lowest avg.	TT*	N/A	K=	1		to		N/A	No*	CITY II ON III VIII
range of monthly ratios)			P≖	0.96	0.79	to	1.28			
*Monthly ratio is the % T	OC remova	al achieved t	o the	% TOC rem	oval requ	ired.	Annual ave	rage must be	1.00 or gre	Water additive used to contro
Chlorine	MRDL	MRDLG		1.31					l	microbes.
(ppm)	= 4	= 4	M=	(highest	0,39	lo	1.72	N/A	No	HANCE AND CO.
			L	average)						Down down of delighting water
HAA (ppb) (all sites)			M≈	60	16	lo	112			Byproduct of drinking water disinfection
[Haloacetic acids]	60	N/A	K=	44.1	5.6	10	94.5	N/A	No	disinfection
(average & range)			P=	58	3	to	51			W 1 4 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TTHM (ppb) (all sites)			M=	80	21	to	152			Byproduct of drinking water disinfection
[total tribalomethanes]	80	N/A	K=	66.9	22.9	lo	123	N/A	No	disinfection
(average & range)			P=	73	19	to	69			

^{*} Prestonsburg has been granted a permanent waiver of the TOC compliance calculation but monthly samples continue to be tested.

Martin County Water District recently failed to comply with required testing procedures. Even though this was not an emergency, as our customers, you have a right to know what happened and what we did to correct the situation.

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 4/1/2012 through 6/30/2012, we did not complete all monitoring or testing for xylenes and during 7/1/2012 through 7/31/2012, we did not complete all monitoring or testing for chlorine and therefore cannot be sure of the quality of your drinking water during that time.*

Xylene samples are collected and sent to and analyzed by a certified laboratory. We submitted a sample on 1/5/2012 and xylenes were not detected. However, the sample schedule provided by the Kentucky Division of Water indicated that the sample was required to be collected and submitted during the second quarter instead of the first quarter. We received a violation when we sampled during the wrong period.

Chlorine residuals are monitored daily at the water treatment plant and also in the distribution system. These test results are recorded on a Monthly Operation Report that must be submitted to the Division of Water by the 10th of each month. We received a monitoring violation when we failed to report the required number of distribution chlorine residual sample results for July 2012.

There is nothing you need to do at this time. You may continue to drink the water. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours. There are no health effects for failing to report sampling results during the proper time frame. We have reviewed our sampling and reporting procedures to help prevent similar incidents in the future.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

# Water Quality – Consumer Confidence Report "Good Faith Effort"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide an annual report to its customers containing information on the quality of the water delivered by the system. The report must also include the risks from exposure to contaminants detected in the drinking water.

The water system must also make a good-faith effort to reach consumers who do not get water bills. A good-faith effort is to be tailored to the consumer who is served by the system but is not a bill-paying customer, such as a renter or worker.

Date	Name of Facility
05/31/13	Riverside Apartment
05/31/13	Dempsey Housing Authority
05/31/13	Martin County Library
05/31/13	Martin County Court House
05/31/13	Quail Hollow Apartments
05/31/13	Martin County Health Department
05/31/13	Skeez Ward Manor

I, the undersigned, confirm that a copy of the Consumer Confidence Report was prepared and distributed to the above listed facilities. Information contained in the report furnished to the facilities is identical to information provided to the billed consumers.

Printed Name: John Mills		
Signature:	It min	Date: 6 / 7 / 2013

Martin County Water District 387 East Main St., Suite 140

Inez, KY 41224

(606) 298-3885



6/20/2013

PRESCRIED - -FIRST-CLASS MAIL U.S. POSTAGE PAID **PERMIT #2 INEZ, KY 41224** 

Return Service Requested

LOCATION 4501 Buffalo Horn Rd

Service

Bring Entire Card When Paying

In Person

Meter # Prior Date Prior Read Read Date Cur Read Usage A Amount

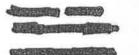
Previous Due !

\$142.90

NET DUE NOW

\$142.90

After Hours Emergency Number: (606) 298-7439



Notice by Martin County Water District - System ID#: KY9800273

Our water system recently violated a crinking water standard. Although his incident was not an amergency, as our customers, you have a right to know wh happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Teeting results from 1/1/2013 through 3/31/2013 show that our system exceeds the standard or maximum contaminant level (MCL); for trihatomethiques (THM) and haloncefic acids (HAA). The standard for THM is 0.080 mg/L, and the standard for HAA is 0.080 mg/L. These are determined by averaging all samples collected by our system for the last 12 months. The level of THM sveraged at our system for 1/1/2013 to 3/31/2013 was 0.083 mg/L, and HAA was 0.088 mg/L.

- There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation, arises where the water is no longer safe to drink, you will be notified within 24 hours.

  If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased task and should se
- advice from your health care providers about drinking this water

Some people who crink weter containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or can't nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloscale acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified, within 24 hours.

We are working to minimize the formation of trinsioned area is an haloccatic acids, while ensuring we maintain an adequate level of claimfectant. We have laken additional steps to change disinfectant types/levels. I amove natural organic matter, and increased flushing of water lipes to determine in our efforts habeen effective. We are also monitoring water storage lank levels and water flow patterns within the distribution system. We aribidoats resolving the problem within the next guerter.

For more information, please contact John Mills at (606) 268-3885 or 387 E. Main St. Suite 140, Inez. KY 41224

Please share this information with all the other people who drink this water, especially those who may not have neceived this notice directly, for example people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or m

In 2012, Martin County Water, District detected 13-contaminants in the drinking water and none of them were above the FPA accepted level for drinking water. Please go to www.krwa.org/2012ccr/martincounty.pdf to view your 2012 annual water quality report and learn more about your drinking water. This report contains important information about the source and quality of your drinking water. To speak with someone about the report, please call (606) 298-3885. If you would like a paper copy of the 2012 Annual Water Quality Report

mailed to your home please check the paper copy box and mail back with your payment or call (606) 298-7439. Mail a copy.

Martin County Water District 387 East Main St., Suite 140 Inez, KY 41224

BILL DATE ACCOUNT

6/20/2013

PRESCRIED . .

(606) 298-3885

Bring Entire Card When Paying In Person

PERMIT #2 INEZ, KY 41224 U.S. POSTAGE PAID FIRST-CLASS MAIL

Service

LOCATION 4501 Buffalo Horn Rd

Return Service Requested

Meter #

Prior Date | Prior Read | Read Date

Cur. Read

Usage

Amount

Previous Due

\$142.90

NET DUE NOW

\$142.90

After Hours Emergency Number: (606) 298-7439

o 0

1141141441441414141414 

# Notice by Martin County Water District - System ID#: KY0800273

Our we'er system is centry violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation

standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected by our system for the last 12 months. The level of THM averaged We routinely monitor for the presence of drinking water contaminants. Testing results from 1/1/2013 through 3/31/2013 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihatomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the at our system for 1/1/2013 to 3/31/2013 was 0.083 mg/L and HAA was 0.068 mg/L.

- There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.
- If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water confaining haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

taken additional steps to change disinfectant types/levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have, been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have within the next quarter

For more information, please contact John Mills at (606) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224

people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail. Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example,

more about your drinking water. This report contains important information about the source and quality of your drinking water. To speak level for drinking water. Please go to www.krwa.org/2012ccr/martincounty.pdf to view your 2012 annual water quality report and learn In 2012, Martin County Water District detected 13 contaminants in the drinking water and none of them were above the EPA accepted with someone about the report, please call (606) 298-3885. If you would like a paper copy of the 2012 Annual Water Quality Report mailed to your home please check the paper copy box and mail back with your payment or call (606) 298-7439. Mail a copy

HER COMPLETE THIS SECTION	COMPLETE THIS SECTION OF OFFICE	
<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A: Signature  X	
1. Article Addressed to:	If YES, enter delivery address below: No	
JOHN MILLS		
DIGERRAL WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLIAM WILLI		
MARTIN CO WATER DISTRICT #1	To source True	
MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type  Certified Mail Registered Insured Mail C.O.D.	
MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140	☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise	

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# **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Secretary

Leonard K. Peters

R. Bruce Scott Commissioner

August 19, 2013

www.water.ky.gov

CERTIFIED MAIL:7012 1010 0002 5921 0999 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kellee.husband@ky.gov.

Sincerely,

Natalie Bruner

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

### NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2013 - 9951150 Determination Date: 07/31/2013

Compliance Period: 04/01/2013 - 06/30/2013

Violation Type: 02 MCL, AVERAGE Tier Level: 2

PWS Facility: 0800273DS001 DISTRIBUTION - MARTIN CO WATER DIST #1

Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510, Section 1 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL (as an average of samples) for the specifed contaminant in the compliance period 04/01/2013 - 06/30/2013. The reported result of .064 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kellee husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Natalie Bruner

Drinking Water CTAB Supervisor

Natalte P. Brunen

Compliance & Technical Assistance Branch

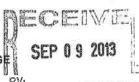
Division of Water

Date: August 19, 2013

How Delivered: Certified/Registered #7012 1010 0002 5921 0999

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE BY:



PWS: N	Iartin (	County Water	District	PWSID: <b>KY0800273</b>	Population: <u>10395</u>		
For Viol	ations(s)						
2013-99	51150 (I	HAA5)					
That occ	curred on	date(s):					
4/1/2012	2 - 6/30/2	012					
I, the un requirer	dersigne nents and	d, certify that pub deadlines of the	olic notice has been Public Notification	provided to our consumers in accordance (PN) requirements in 40 CFR 141.201 to	with the delivery, content, and forma 141.210.		
	1.	Consultation w	rith DOW if require	ed, on:			
X	2.	How notice was distributed (Include copy of each type of notice for each notification)					
	Primary	/ Date:	9-413	Method: mailed (printed on water bill)			
	Second	lary Date:	9-4-13	Method: posted throughout community	y		
	3.	Copy sent to C	Consecutive Syste	ems (include date, PWSID, and PWS n	ame)		
		(Use additions	al sheets if necess	sary)			
⊠ .	4.	Content: All t	en required eleme	ents are in the notice.	Ÿ.		
	5.	Other (attach	description or exp	olanation of additional methods used or	use back of sheet).		
Printed	Name: J	ohn Mills Title:	Manager				
Signati	ıre:	- Gh	ni	Date: 9-5-13	<u>.                                    </u>		
Addres	ss: 387 E	Main St Suite	140 Inez, K	Y 41224			

Phone: 606-298-3885

钦

# Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date

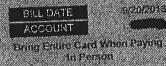
Name of Facility

Dempsey Housing
Martin County Library, Lovely
Martin County Library . Inez
Riverside Apart ments
Martin County Health Dept.
Inez Post Office
Skee Ward Manor Apartments

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills	1			
Signature:	AL	ni	Date:	9.5-13

Martin County Water District 387 East Main St., State 140 (606) 298-5885 nez, KY 41224 Return Service Requested



9/20/2018

PRESORTED FIRST-CLASS MAIL U.S POSTAGE PAID PERMIT METNEZ KY 51224

-

\$97.38

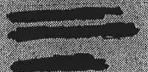
NET DUE NOW

\$145.38

\$150,18

After Hours Emergency Number: (606) 296-7439





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or encre and compliant, please beneficit John Mals of (SOC) 295, 295 or 287 E Major St. State 140, marz, KY 45224

east shard his virtuation with all the later people wild mak this water especially hose wan may but there excelled this native or sally for example, soble in appropriate, harding from a schools, and husbresses). You can be this by pastery this notice in a public part or distributing diplos by hard or mail

In 2013. Martin County Water Plants: Refered of 13 contaminants in the drinking water and name of them seek above the GPA accepted to 1015 of thicking water Plants of the 2013 of the Seek and the 1015 of thicking water Plants of the 2013 of this report contains important international of the same and multiple of our drinking water. This report contains important international bear the same and multiple of our drinking water. This report contains important international bear the same and multiple of our drinking water. This report contains important international bear the same and multiple of our drinking water. This report contains important of the same paper copy of the 2012 Annual Water Charles Report with a content of the 2012 Annual Water Charles Report.

mathed to your home please check the Price copy this and wall back with your payment or call (606) 298-3885. Malka copy 🗖

ur water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what appened and what we did (are doing) to correct this situation.

'e routinely monitor for the presence of drinking water contaminants. Testing results from 4/1/2013 through 6/30/2013 show that our system exceeds the andard, or maximum contaminant level (MCL) for haloacetic acids (HAA). The standard for HAA is 0.080 mg/L. These are determined by averaging all imples collected by our system for the last 12 months. The level of HAA averaged at our system for 4/1/2013 to 6/30/2013 was 0.064 mg/L.

- There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no
- longer safe to drink, you will be notified within 24 hours. If you have a saverely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

эте people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

is is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

'e are working to minimize the formation of haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to lange disinfectant types/levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are so monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter.

or more information, please contact John Mills at (606) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224

'ease share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, sopile in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

In 2012, Martin County Water District detected 13 contaminants in the drinking water and none of them were above the EPA accepted level for drinking water. Please go to www.krwa.org/2012ccr/martincounty.pdf to view your 2012 annual water quality report and learn more about your drinking water. This report contains important information about the source and quality of your drinking water. To speak with someone about the report, please call (606) 298-3885. If you would like a paper copy of the 2012 Annual Water Quality Report mailed to your home please check the paper copy box and mail back with your payment or call (606) 298-3885. Mail a copy

Notice by Martin County Water District - System ID#: KY0800273

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- There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours. If you have a severely compromised immune system, have an infant, are pregnent, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

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'e are working to minimize the formation of heloacetic acids white ensuring we maintain an adequate level of disinfectant. We have taken additional steps to are working to minimize the formation of heloacetic acids white ensuring we maintain an adequate level of disinfectant. We have been effective. We are so monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter,

or more information, please contact John Mills at (606) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224

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THM & HAA Stage 1 DBPR Template 2-18

Insert water system name and ID# in header. Insert compliance period begin date, end date, and average level. Remove brackets.

Do not modify mandatory language!

Replace explanation language with your own to explain what happened, what is being done and date that compliance is anticipated.

Insert contact information

No text below this point.

Copy and paste notice. Prior to paste make sure that the cursor is at the highest point in the text box.

No text below this point.

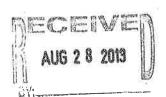


Atta: PN

Existing viete Compliance & Lectional Assistance
Compliance & Lectional Assistance Brown

San Fair Daks Lience Hth Floor

Erankton Ky, 40601



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete Items 1, 2, and 3. Also complete Item 4 If Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mallpiece, or on the front if space permits.	A. Signature  Agent  Addressee  B. Received by (Printed Name)  C. Date of Delivery  Addressee  C. Date of Delivery  Addressee  If YES, enter delivery address below:  No
Article Addressed to:	If YES, enter delivery
JOHN MILLS	
MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type  Certified Mall  Registered  Insured Mall  C.O.D.
	Restricted Delivery? (Extra Fee)
o Article Number	4. Restricted Delivery? (Extra Fee)





#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane, 4th floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov
March 19, 2014

Leonard K. Peters Secretary

R. Bruce Scott Commissioner

CERTIFIED MAIL:7012 2920 0001 0742 5648 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Rodney Ripberger at (502)564-3410 ext. 4579 or email at Rodney.ripberger@ky.gov.

Sincerely,

Natalie Bruner

Drinking Water CTAB Supervisor

Tatalte P. Brunein

Compliance & Technical Assistance Branch

Division of Water

C: Drinking Water Program files Enclosure



# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2014 - 9951151 Determination Date: 03/10/2014

Compliance Period: 01/01/2014 - 01/31/2014

Violation Type: 44 MONTHLY COMB FLTR EFFLUENT (IESWTR/LT1) Tier Level: 2

Contaminant: 0300 IESWTR

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:150, Section 3 IESWTR The public water system failed to meet the treatment technique requirement for turbidity by exceeding 0.3 NTU in over 5% of the combined filter effluent samples collected in the compliance period 01/01/2014 - 01/31/2014.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Rodney Ripberger at (502)564-3410 ext 4579 or email at Rodney.Ripberger@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th floor Frankfort, KY 40601

Issued By:

Natalie Bruner

Drinking Water CTAB Supervisor

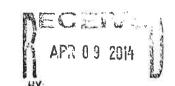
Compliance & Technical Assistance Branch

Division of Water

Date: March 19, 2014

How Delivered: Certified/Registered #7012 2920 0001 0742 5648

# PUBLIC NOTIFICATION (PN) CERTIFICATION



PWS: N	lartin (	County	Water District	PW	VSID: <b>KY0800273</b>	Population: 10395
For Vio	lations(s)	:				
2014-99	51151 (	(turbidity)	)			
That occ	curred on	date(s):				
1/1/2014	4 - 1/31/2	2014				
I, the un	dersigne nents and	d, certify I deadline	that public notice has sof the Public Notific	been provided to cation (PN) require	our consumers in accordancements in 40 CFR 141.201	to 141.210.
⊠	1.		tation with DOW if re			
×	2.	How no	otice was distributed	(Include copy of	f each type of notice for e	each notification)
	Primary	/	Date: 4/3/2014	Method: Pl	N on water bills	
	Second	dary	Date: 4/3/2014	Method: Pe	osted throughout commu	nity
	•	0	ant to Consequitive S	Sustama /include	e date, PWSID, and PWS	(name)
⊠	3.		ent to Consecutive 3	bysterns (include	e date, FVVOID, and FVVO	mamey
		N/A				
		(Use ac	dditional sheets if ne	cessary)		
$\boxtimes$	4.	Conten	t: All ten required el	lements are in th	ne notice.	
	5	Other (a	attach description or	explanation of a	additional methods used	or use back of sheet).
		·				
Printed	Name: Jo	ohn Mills	Title: Manager		/ 1	
Signatu	ге:		Up Ville	<del>301-10-3-13</del> 0	Date: 4/3/1	4
Address	s: 387 E N	Main St	Inez, KY 41224			
Phone:	606 <b>-</b> 298-	7439				

7: 2013 Kentucky Rural Water Association

## Public Notification "Posting Sites"

System: Martin County Water District PWS

PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
4/3/14	Martin County Court House
4/3/14	Martin County Public Libraries
4/3/14	Quail Hollow Apartments
4/3/14	Dempsey Housing
4/3/14	Martin County Health Dept.
4/3/14	Inez Post Office
4/3/14	Warfield Post Office

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills	14			
Signature:	SIL	Mile	Date:	4/3/14

## Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water requirement. Although this was not an emergency, as our customers, you have a right to know what happened, what you should do, and what we did (are doing) to correct this situation.

We routinely monitor your water for turbidity (cloudiness). This tells us whether we are effectively filtering the water supply. Water samples for January 2014 showed that 5.4 percent of turbidity measurements were over 0.3 turbidity units – the standard is that no more than 5 percent of samples may exceed 0.3 turbidity units per month. The turbidity levels are relatively low. However, their persistence is a concern. Normal turbidity levels at our plant are 0.1 units. This is not an emergency. If it had been, you would have been notified within 24 hours.

- There is nothing you need to do. You do not need to boil your water or take other actions. We
  do not know of any contamination, and none of our testing has shown disease-causing
  organisms in the drinking water.
- If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

*Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. * These symptoms are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.

We made repairs to our equipment. We inspected and cleaned the filters. The problem is resolved. For more information, please contact John Mills at (606) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

Martin County Water District 387 East Main St., Suite 140 Inez, KY 41224 (600

(606) 298-3885

BILL DATE ACCOUNT

**Bring Entire Card When Paying** 

In Person

4/20/2014 7-00376 PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
PERMIT #2 INEZ, KY 41224

#### Return Service Requested

LOCATION 115 Sansom Dr

Service Surviv	A Meter # AND	Prior Date	Prior Read	Read Date	Cur. Read	Usage :	- Amount
R1 Res. N/Tax Water	19629201	2/20/2014	241	3/20/2014	248	7000	\$60.00
SC School Tax	10020201	DEGIZOTT					\$1.80

(A)					
Previous Due	\$0.00	NET DUE NOW	\$61.80	If Paid After 4/20/2014 Pay	\$67.98

After Hours Emergency Number: (606) 298-7439





Notice by Martin County Water District – System iD#: KY0800273

Our water system recently violated a drinking water requirement. Although this was not an emergency, as our customers, you have a right to know what happened, what you should do, and what we did (are doing) to correct this situation.

We routinely monitor your water for turbidity (cloudiness). This tells us whether we are effectively filtering the water supply. Water samples for January 2014 showed that 5.4 percent of turbidity measurements were over 0.3 turbidity units – the standard is that no more than 5 percent of samples may exceed 0.3 turbidity units per month. The turbidity levels are relatively low. However, their persistence is a concern. Normal hybridity levels of our latest are 0.1 units. This is not an exercisery if it had been, you would have been notified within 24 hours. turbidity levels at our plant are 0.1 units. This is not an emergency. If it had been, you would have been notified within 24 hours.

There is nothing you need to do. You do not need to boil your water or take other actions. We do not know of any contamination,

and none of our testing has shown disease-causing organisms in the drinking water. If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water. General guidelines on ways to lessen the risk or infection by microbes are available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

*Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausee, cramps, diarrhea, and associated headaches.* These symptoms are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.

We made repairs to our equipment. We inspected and cleaned the filters. The problem is resolved, For more information, please contact John Mills at (606) 298-3865 or 387 E Main St. Suite 140, inez, KY 41224.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (fi example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributin copies by hand or mail.

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Gomplete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  ■ Print your name and address on the reverse so that we can return the card to you.  ■ Attach this card to the back of the malipiece, or on the front if space permits.	A. Signature  X
1. Article Addressed to:  JOHN MILLS  MARTIN CO WATER DISTRICT #1  287 E MAIN ST SUITE 140  INEZ, KY 41224	3. Service Type  Certified Mail Registered Insured Mail C.O.D.
	4. Restricted Delivery? (Extra Fee)
t to a sprilag label)	0001 0742 5648 eturn Receipt 6400273 102595-02-M-1540
PS Form 3811, February 2004 Domestic Re	eturn Receipt & 40800273 102595-02-M-10-

GCANNEO MAR 2 8 2014 QC



## **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

R. Bruce Scott Commissioner

Leonard K. Peters

Secretary

November 20, 2014

CERTIFIED MAIL:7014 0150 0002 1561 1813 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitta

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

## COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

### NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

INEZ, KY 41224

Violation Number: 2015 - 9951155 Determination Date: 11/05/2014

Compliance Period: 07/01/2014 - 09/30/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 07/01/2014 - 09/30/2014. The reported result of .081 mg/l exceeded the MCL of 0.060 mg/l.

Comments: Site SM8, SM7, 119, 118 exceeded MCL.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: November 20, 2014

How Delivered: Certified/Registered #7014 0150 0002 1561 1813



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

November 20, 2014

CERTIFIED MAIL: 7014 0150 0002 1561 1813 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1

287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951159 Determination Date: 11/05/2014

Compliance Period: 07/01/2014 - 09/30/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 07/01/2014 - 09/30/2014. The reported result of .101 mg/l exceeded the MCL of 0.080 mg/l.

Comments: Site SM8, SM7, 119, 118 exceeded MCL.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Bun M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: November 20, 2014

How Delivered: Certified/Registered #7014 0150 0002 1561 1813

## PUBLIC NOTIFICATION (PN) CERTIFICATION

## SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE

PWS:	Martin	County Water District	PWSID: <b><u>KY0800273</u></b>	Population: 10843
For Vi	olations(s	):		
THM HAA			46	DECENCE OCT 10 2014
That o	ccurred o	n date(s):		BY:
		h 9/30/2014		
777.20				
			een provided to our consumers in accordanc	
require	ements an		tion (PN) requirements in 40 CFR 141.201	to 141.210.
	1.	Consultation with DOW if req	uired, on:	
☒	2.	How notice was distributed (I	nclude copy of each type of notice for e	ach notification)
	Prima	y Date: 10/3/14	Method: Mailed to customers with w	rater bill
	Secon	dary Date: 10/7/14	Method: Posted throughout commu	nity
	3.	Copy sent to Consecutive Sy	stems (include date, PWSID, and PWS	name)
		(Use additional sheets if necessity	essary)	
Ø	4.	Content: All ten required ele	ments are in the notice.	
	5 100	Other (attach description or e	explanation of additional methods used	or use back of sheet).
Signat		ohn Mills Title: Manager  Ahte  Main St Suite 140 Inez,	Date: <u>10 / 7 / 14</u> KY 41224	4
Phone	606-298	-3885		

O

## Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
10/7/14	Martin County Court House
10/7/14	Martin County Public Libraries
10/7/14	Quail Hollow Apartments
19714	Dempsey Housing
10/7/14	Martin County Health Depr.
10/7/14	Inez Post Office Warfield Post Office
197/14	Wartield Post Office

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills	1,			
Signature:	-{fh-	Yhule	Date: / 7 / 14	_

# Notice by Martin County Water District - System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from 7/1/2014 through 9/30/2014 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM averaged at one of our system's locations for 7/1/2014 to 9/30/2014 was 0.101 mg/L and HAA was 0.081 mg/L.

There is nothing you need to do. You do not need to boil your water or take other
corrective actions. If a situation arises where the water is no longer safe to drink,
you will be notified within 24 hours.

If you have a severely compromised immune system, have an infant, are
pregnant, or are elderly, you may be at increased risk and should seek advice
from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

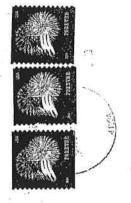
For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

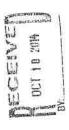
Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

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MARTIN CO WATER DISTRICT NO 1

Martin County Uthlity Board 387 E Main St Suite 140 Incz, KY 41224 (606)298-3885





Ath: PN
Drinking Nober Compliance & Technical Assobrac
Compliance & Technical Assistance Branch
200 Fair Oaks Lane, 19th Floor
Frankfort, KN, 40401

Martin County Water District 387 East Main St., Suite 140 Inez, KY 41224 (60

(606) 298-3885

BILL DATE
ACCOUNT

10/20/2014

PRESORTED

FIRST-CLASS MAIL

U.S. POSTAGE PAID

PERMIT #2 INEZ, KY 41224

#### Return Service Requested

Bring Entire Card When Paying In Person

LOCATION 523 Wickerfield Rd

Service 12.7 12.1	Meter #	Prior Date	Prior Read	Read Date	Cur. Read	:Usage:	Amount
R1 Res. N/Tax Water	70616399	8/20/2014	99	9/20/2014	101	2000	\$26,50
SC School Tax							\$0.80

Previous Due \$0.00 NET DUE NOW \$27.30 (If Paid After 10/20/2014 Pay \$30.03

After Hours Emergency Number: (606) 298-7439



523 Whickerfield Rd

**INEZ, KY 41224** 

Notice by Martin County Water District - System iD#: KY0800273

ur water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what appened and what we did (are doing) to correct this situation.

le routinely monitor for the presence of drinking water contaminants. Testing results from 7/1/2014 through 9/30/2014 show that our system exceeds the anderd, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM reraged at one of our system's locations for 7/1/2014 to 9/30/2014 was 0.101 mg/L and HAA was 0.081 mg/L.

- There is nothing you need to do. You do not need to boil your water or take other corrective actions, if a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

  If you have a severely compromised immune system, have an Infant, are pregnant, or are elderly, you may be at increased risk and should seek
- advice from your health care providers about drinking this water

ome people who drink water containing trihalomethanes in excess of the MGL over many years may experience problems with their liver, kidneys, or central ervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over any years may have an increased risk of getting cancer.

his is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

The are working to minimize the formation of trihalomethanes and haloacetic acids white ensuring we maintain an adequate level of disinfectant. We have ken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been fective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We articipate resolving the problem within a next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

or more information, please contact John Mills at 806-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

ease share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, sople in spartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.



\$ F			
SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse 'so that we can return the card to you. ■ Attach this card to the back of the mailplece, or of the front if space permits.  1. Article Addressed to:  JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224		A. Signature  A. Signature  A. Signature  A. Agent  Addressee  B. Received by (Printed Name)  C. Date of Delivery  D. Is delivery address different from item 17  If YES, enter delivery address below:  No	
		3. Service Type  ☐ Certified Mail® ☐ Priority Mail Express™ ☐ Registered ☐ Return Receipt for Merchandis ☐ Insured Mail ☐ Collect on Delivery	
		4. Restricted Delivery? (Extra Fee)	☐ Yes
2. Article Number (Transfer from service label)	7014 0150	0002 1561 1813	
PS Form 3B11, July 2013	Domestic Ret	turn Receipt KY 0800273	actual Vinter



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Secretary

Leonard K. Peters

R. Bruce Scott Commissioner

www.water.ky.gov November 20, 2014

CERTIFIED MAIL:7014 0150 0002 1561 2223 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee' Husband at 502-564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin M. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951160 Determination Date: 11/06/2014

Compliance Period: 07/01/2014 - 09/30/2014

Violation Type: 35 FAILURE SUBMIT OEL REPORT FOR HAA5 Tier Level: 3

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 Section 1(1) TOTAL HALOACETIC ACIDS (HAA5) The public water system failed to submit Operational Evaluation Levels (OEL's) report for compliance period 07/01/2014 - 09/30/2014.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

As an alternative to the two methods listed above, the PWS may optionally provide notice to consumers by including the required language of the notice in the next CCR delivered to consumers by the PWS providing that the CCR meets the direct delivery requirements.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee' Husband at (502) 564-3410 ext. 4986.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410 x 4959

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: November 20, 2014

How Delivered: Certified/Registered #7014 0150 0002 1561 2223



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshcar Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

December 30, 2014

John Mills Martin County Water District #1 287 E Main St Suite 140 Inez, KY 41224 Re: Rescission Letter

AI ID: 2987

PWS Name: Martin Co Water District #1

PWSID: KY0800273 Violation #: 2015-9951160

County: Martin

Dear Mr. Mills:

The Kentucky Department for Environmental Protection has rescinded the Notice of Violation issued to Martin County Water District #1. The Notice of Violation was issued for failure to Operational Evaluation Levels (OEL's) report for the compliance period 07/01/2014-09/31/2014 in accordance with 401KAR 8:510.

The Division of Water's Compliance & Technical Assistance Branch has determined that the public water system submitted OEL on time. Therefore, the violation has been rescinded.

If you have any questions, please contact Brian Chitti at (502) 564-3410, ext. 4988.

Sincerely,

Brian M. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

Enclosure

C: Drinking Water Program Files





SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
Complete Items: 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mailpiece, or on the front if space permits.  Article Addressed to:  JOHN MILLS	A. Signature  X	
MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type  Certified Mail* Registered Insured Mail Collect on Delivery	
	4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. Article Number 2011 015	0 0005 7277 5553	
(Transfer from service label) 7014 015	0 0000 3363 0003	



## **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

R. Bruce Scott Commissioner

Leonard K. Peters

Secretary

July 30, 2015

www.water.ky.gov

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bian M. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

3

## COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951167 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .104 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

### ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Brian M. Chitti

Date: July 30, 2015

502-564-2741

01:31:30 p.m.

07-14-2015

2/2

## Public Notification (PN) CERTIFICATION

SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE

ECEIVE APR 2 1 2015

PWS: Martin County Water District

PWSID: KY0800273

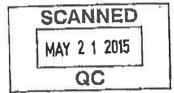
Population: 10843

For Violations(s):

THM 2015-9951162 HAA 2015-9951161

That occurred on date(s):

10/1/2014 through 12/31/2014



l, the undersigned, certify that public notice has been provided to our consumers in accordance with the delivery, content, and format requirements and deadlines of the Public Notification (PN) requirements in 40 CFR 141.201 to 141.210.

- 1. Consultation with DOW if required, on:
- 2. How notice was distributed (Include copy of each type of notice for each notification)

Primary

Date: 4-6-15

Method: Mailed to customers with water bill

Date: 4/14/15

Secondary

Date: 4-6-15

Method: Posted throughout community

Copy sent to Consecutive Systems (Include date, PWSID, and PW\$ name)

(Use additional sheets if necessary)

- 4. Content: All ten required elements are in the notice.
- Other (attach description or explanation of additional methods used or use back of sheet).

Printed Name: John Mills Title: Manager

Address: 387 E Main St Suite 140

Inez, KY 41224

Phone: 606-298-3885

6



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

July 30, 2015

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: REVISED NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued this revised Notice of Violation for violations discovered at your facility. This notice replaces the notice dated May 29, 2015. Please review this revised Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

3

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

**PWSID:** KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951164 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .094 mg/l exceeded the MCL of 0.080 mg/l.

## The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: July 30, 2015



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Leonard K. Peters Secretary

R. Bruce Scott Commissioner

www.water.ky.gov

March 1, 2015

CERTIFIED MAIL: 7014 2120 0000 7298 1015 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brin M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

3

### COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951161 Determination Date: 02/05/2015

Compliance Period: 10/01/2014 - 12/31/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 10/01/2014 - 12/31/2014. The reported result of .105 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

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If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Brian M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: March 1, 2015

How Delivered: Certified/Registered #7014 2120 0000 7298 1015



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

March 1, 2015

CERTIFIED MAIL: 7014 2120 0000 7298 1015 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

### COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951162 Determination Date: 02/05/2015

Compliance Period: 10/01/2014 - 12/31/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 10/01/2014 - 12/31/2014. The reported result of .096 mg/l exceeded the MCL of 0.080 mg/l.

# The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bin M. Chitti

ssueu by.

Brian Chitti Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: March 1, 2015

How Delivered: Certified/Registered #7014 2120 0000 7298 1015

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE

APR 2 1 2015

PWS: M	Iartin (	County Water District	PWSID: <b>KY0800273</b>	Population: 10843
For Viol	ations(s):			
	015 <b>-</b> 9951 015-9951			
	curred on	date(s): h 12/31/2014		
I, the un	dersigned	d, certify that public notice has been deadlines of the Public Notification	provided to our consumers in accordance (PN) requirements in 40 CFR 141.201 (	e with the delivery, content, and format to 141.210.
	1.	Consultation with DOW if require	ed, on:	
×	2.	How notice was distributed (Incl	ude copy of each type of notice for ea	ach notification)
	Primary	Date:	Method: Mailed to customers with w	ater bill
	Second	dary Date:	Method: Posted throughout commun	nity
	3.	Copy sent to Consecutive Syste	ems (include date, PWSID, and PWS	name)
		(Use additional sheets if necess	sary)	
⊠	4.	Content: All ten required eleme		
	5.	Other (attach description or exp	planation of additional methods used	or use back of sheet).
Printed Signati		ohn Mills Title: Manager	Date: 4/14/	15

Address: 387 E Main St Suite 140

Inez, KY 41224

Phone: 606-298-3885

# Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from 10/1/2014 through 12/31/2014 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM averaged at one of our system's locations for 10/1/2014 to 12/31/2014 was 0.096 mg/L and HAA was 0.105 mg/L.

There is nothing you need to do. You do not need to boil your water or take other
corrective actions. If a situation arises where the water is no longer safe to drink,
you will be notified within 24 hours.

If you have a severely compromised immune system, have an infant, are
pregnant, or are elderly, you may be at increased risk and should seek advice
from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

## Public Notification "Posting Sites"

System: Martin County Water District

PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
04/06/15	Martin County Court House
04/06/15	Martin Co. Public Libraries
04/06/15	Quail Hollow Apartments
04/06/15	Dempsey Housing
04/06/15	Martin County Health Dept.
04/06/15	Inez Post Office
04/06/15	Warfield Post Office
04/06/15	Blakemoore Estates

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Signature:	Mills // / ·	,
Signature:	A Anh	Date: 4/14/15

Martin County Water District 387 East Main St., Suite 140 Inez, KY 41224

(606) 298-3885

BILL DATE **ACCOUNT** 

In Person

4/20/2015 Bring Entire Card When Paying

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

Return Service Requested

LOCATION 10297 Yellow Crk

or Date | Repr. Reput | Read | Date | Cur. Read | Usage | Amount

Previous Due

\$30.03

NET DUE NOW

\$30.03

After Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org



សក្សាក្រមួយ ប្រជាជាប្រធានាធ្វើប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រជាជាប្រ

Notice by Martin County Water District – System ID#: KY0800273 ur water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what appended and what we did (are doing) to correct this situation.

to routinely monitor for the presence of drinking water contaminants. Testing results from 10/1/2014 through 12/31/2014 show that our system exceeds the andard, or maximum contaminant level (MCL), for trinsiomethanes (THM) and haloscotic acids (HAA). The standard for THM is 0.080 mg/L and the andard for HAA is 0.080 mg/L. These are distamined by averaging all samples collected at each sampling location for the last 12 months. The level of THM reraged at one of our system's locations for 10/1/2014 to 12/31/2014 was 0.096 mg/L and HAA was 0.105 mg/L.

There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours. If you have a severely compromised immune system, have an infant, are pregnant, or see elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

ome people who drink water containing tribalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central involus system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over any years may have an increased risk of getting cancer.

his is not an emergency. If it had been an emergency, you would have been notified within 24 hours for an emergency. If it had been an emergency, you would have been notified within 24 hours for minimize the formation of the lone has a second pacids while ensuring we maintain an adequate level of distinfectant. We have feen additional stops to charge standards that was provided the second pacids while ensuring water flow problem within the distribution system. We anticipate resolving the problem within a next quarter but the compliance calculation is based upon a next pacid and it may be several quarters before compliance is achieved.

or more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

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THE OTHER WINDS TO A HOLD MADE THE FALLEN

'ease share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, topic in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.



UNITED STATES

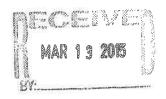
Martin County Utility Board 387 B. Main St. Stulte 140 Inez, RV 41224 (606)298-3885

A+H: PN

A+H: PN

Drinking Web Compliance & Technical Assistance
Compliance & Technical Assistance
Soo Fair Daks Lyne, 4th Floor
Frankfort, Ky. #10601

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· 3	
SENDER: COMPLETE THIS SECTION  Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature  A. Signature  A. Signature  A. Received by (Printed Name)  Dec. Is. delivery address different from Item 17  If YES, enter delivery address below:  Agent  C. Date of Delivery
JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type ☐ Certifled Mall® ☐ Priority Mall Express™ ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mall ☐ Collect on Delivery
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number 7014 2121 (Transfer from service label)	
PS Form 3811, July 2013 Domestic Re	turn Receipt KY0800273



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear
Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane, 4th floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov
April 29, 2015

Leonard K. Peters
Secretary

R. Bruce Scott Commissioner

CERTIFIED MAIL: 7014 2120 0000 7298 2210 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Linda Metts at (502)564-3410 ext. 4984 or email at linda.metts@ky.gov.

Sincerely,

Bin M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

3



## COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951163 Determination Date: 03/31/2015

Compliance Period: 02/01/2015 - 02/28/2015

Violation Type: 43 SINGLE COMB FLTR EFFLUENT (IESWTR/LT1) Tier Level: 2

Contaminant: 0300 IESWTR

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:150, Section 3 IESWTR The public water system exceeded the MCL for turbidity by exceeding 1.0 NTU in a combined filter effluent sample collected in the compliance period 02/01/2015 - 02/28/2015.

Comments: Failed to maintain CFE turbidity level below 1 NTU on 23rd for February 2015, single highest turbidity reported as 1.195 NTU; aslo failed to maintain CFE turbidity level below 0.3 NTU in 95% of monthly measurements with 11 of 167 samples exceeding 0.3 NTU.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Linda Metts at (502)564-3410 ext 4984 or email at linda.metts@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th floor
Frankfort, KY 40601

Issued By:

Brian M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

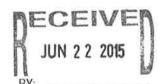
Compliance & Technical Assistance Branch

Division of Water

Date: April 29, 2015

How Delivered: Certified/Registered #7014 2120 0000 7298 2210

# PUBLIC NOTIFICATION (PN) CERTIFICATION



PWS: M	lartin (	County Water District	PWSID: <u><b>KY0800273</b></u>	Population: 10843
For Viol	ations(s):			
2015-99	51163		1996	
That occ	urred on	date(s):		
2/1/2015	5 - 2/28/2	015		
I, the un	dersigne	I, certify that public notice has been provide deadlines of the Public Notification (PN) r	ed to our consumers in accordance vequirements in 40 CFR 141.201 to	with the delivery, content, and format 141.210.
	1.	Consultation with DOW if required, on:		
X	2.	How notice was distributed (Include co	py of each type of notice for eac	ch notification)
	Primar		od: Printed on water bills	
	Second	lary Date: 4-15 Metho	od: Posted in community	
	3,	Copy sent to Consecutive Systems (in	clude date, PWSID, and PWS n	ame)
		N/A		
		(Use additional sheets if necessary)		
	4.	Content: All ten required elements ar	e in the notice.	
	5.	Other (attach description or explanation	on of additional methods used or	ruse back of sheet).
Printed Signatu		ohn Mills Title: Manager	Date: 6-16-15	
Addres	ss: 387 E	Main St Suite 140 Inez, KY 4122	24	

Phone: 606-298-3885

# Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water requirement. Although this was not an emergency you have a right to know what happened. We routinely monitor your water for turbidity (cloudiness). This tells us whether we are effectively filtering the water supply. On 2/23/2015 we had a turbidity result of 1.195 NTU. This was above the standard of 1.0 NTU. Water samples for February 2015 showed that 6.58 percent of turbidity measurements were over 0.3 turbidity units – the standard is that no more than 5 percent of samples may exceed 0.3 turbidity units per month. The turbidity levels are relatively low. However, their persistence is a concern. Normal turbidity levels at our plant are 0.12 units. This is not an emergency. If it had been, you would have been notified within 24 hours.

There is nothing you need to do. You do not need to boil your water or take other
actions. We do not know of any contamination, and none of our testing has
shown disease-causing organisms in the drinking water.

If you have a severely compromised immune system, have an infant, are
pregnant, or are elderly, you may be at increased risk and should seek advice
from your health care providers about drinking this water. General guidelines on
ways to lessen the risk of infection by microbes are available from EPA's Safe
Drinking Water Hotline at 1-800-426-4791.

*Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.*

These symptoms are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.

High turbidity on top of the filters occurred when a rake motor failed and due to high demand we had to continue operations. The problem was resolved within three days. For more information, please contact John Mills at (606) 298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

# Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
6/4/15	Martin County Court House
6/4/15	Martin Co. Public Libraries
6/4/15	Quail Hollow Apartments
6/4/15	Dempsey Housing
6/4/15	Martin County Health Department
6/4/15	Inez Post Office
6/4/15	Warfield Post Office
6/4/15	Blakemoore Estates

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills	1.		سرا لا ا
Signature:	41_	M	Date: 6-16-15

Martin County Water District 387 East Main St., Suite 140

nez, KY 41224

(606) 298-3885

### BILL DATE. ACCOUNT

6/20/2015

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

Return Service Requested

Bring Entire Card When Paying In Person

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SC School Tax		Washington and	DEPENDENT	ATTENDED TO THE	350000000000000000000000000000000000000	S BULLET	51.80

\$0.00

NET DUE NOW

\$61.80

1 Paid Atter 9/20/2015 Pay Pay your bill @ www.mcub.org \$67.98

After Hours Emergency Number: (606) 298-7439



Notice by Martin County Water District – System ID#: KY0800273

or water-system recently violated a drinking water requirement, Athough this was not an emergency you have a right to know what happened, le routinely monitor your water for turbidity (Goudiness). This tells us whether we are effectively filtering the water supply. On 2/23/2015 we had re routinely monitor your water for turbidity (Goudiness). This tells us whether we are effectively filtering the water supply. On 2/23/2015 we had turbidity result of 1.195 NTU. This was above the standard of 1.0 NTU. Water samples for February 2015 showed that 6.56 percent of turbidity turbidity units — the standard is that no more than 5 percent of samples may exceed 0.3 turbidity units per month, ne turbidity levels are relatively low. However, their persistence is a concern. Normal turbidity levels at our plant are 0.12 units. This is not an nergency. If it had been, you would have been notified within 24 hours.

There is nothing you need to do. You do not need to boil your water or take other actions. We do not know of any contamination, and none of our testing has shown disease-causing organisms in the drinking water.

If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and if you have a severely compromised immune system.

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Please share this information with all the other people who drink this water, aspecially those who may not have received this notice directly (for cample, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing spies by hand or mail.*

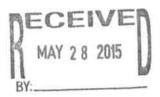
2014 Martin County Water District annual water quality report is available. This report contains important information about your drinking water. Please go to http://www.krwa.org/2014ccr/martincounty.pdf to view your 2014 annual water quality report or to request a paper copy call (606) 298-3885.

Martin County Utility Board 387 E Main St Suite 140 Inez, RY 41224 (606)298-3885



ATTN:PN
Drinking Mater Compliance & Technical Assistance
Compliance & Technical Assistance Branch
also Fair Daks Lane, 4th Floor
Frankbot, Ky 40601

Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1. Section 1.



SENDER: COMPLETE THIS S	ECTION	COMPLETE THIS SECTION ON DELIVE	AV.	
Complete items 1, 2, and 3. / item 4 if Restricted Delivery is Print your name and address so that we can return the can Attach this card to the back or on the front if space permit Article Addressed to:	desired. on the reverse to you. of the mallplece,	A. Signature  X		
JOHN MILLS MARTIN CO WATER D 287 E MAIN ST SUITE I INEZ, KY 41224			pt for Merchandise	
MARTIN CO WATER D 287 E MAIN ST SUITE I		☐ Certified Mail® ☐ Priority Mail E	pt for Merchandise	



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

R. Bruce Scott Commissioner

May 29, 2015

CERTIFIED MAIL: 7012 3460 0002 3648 1553 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee' Husband at 502-564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

## COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

### NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951168 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015

Violation Type: 35 FAILURE SUBMIT OEL REPORT FOR HAA5 Tier Level: 3

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 Section 1(1) TOTAL HALOACETIC ACIDS (HAA5) The public water system failed to submit Operational Evaluation Levels (OEL's) report for compliance period 01/01/2015 - 03/31/2015.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

As an alternative to the two methods listed above, the PWS may optionally provide notice to consumers by including the required language of the notice in the next CCR delivered to consumers by the PWS providing that the CCR meets the direct delivery requirements.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee' Husband at (502) 564-3410 ext. 4986.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410 x 4959

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3648 1553



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

R. Bruce Scott

Commissioner

Leonard K. Peters

Secretary

May 29, 2015

www.water.ky.gov

CERTIFIED MAIL: 7012 3460 0002 3648 1553 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987 PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee' Husband at 502-564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin M. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

3

## COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

#### NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951169 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015

Violation Type: 35 FAILURE SUBMIT OEL REPORT FOR TTHM Tier Level: 3

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 Section 1 (1) TTHM The public water system failed to submit Operational Evaluation Levels (OEL's) report for compliance period 01/01/2015 - 03/31/2015.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

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If you have questions or need further information, write or call Kellee' Husband at (502) 564-3410 ext. 4986.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410 x 4959

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3648 1553



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Secretary

Leonard K. Peters

R. Bruce Scott Commissioner

May 29, 2015

CERTIFIED MAIL: 7012 3460 0002 3648 1553 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

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Sincerely,

Bin m. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

2

## COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

### NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951169 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015

Violation Type: 35 FAILURE SUBMIT OEL REPORT FOR TTHM Tier Level: 3

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

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401 KAR 8:510 Section 1 (1) TTHM The public water system failed to submit Operational Evaluation Levels (OEL's) report for compliance period 01/01/2015 - 03/31/2015.

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ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410 x 4959

Issued By:

Bin M. Chitti

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Brian Chitti

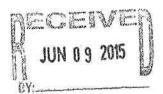
Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3648 1553



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY			
<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mallplece, or on the front if space permits.</li> <li>Article Addressed to:</li> </ul>	A. Signature  X			
JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140	To Condo Two			
INEZ, KY 41224	3. Service Type ☐ Certified Mail®☐ Priority Mail Express™☐ Registered☐☐ Return Receipt for Merchandise☐☐☐ Insured Mail☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐			
	4. Restricted Delivery? (Extra Fee)			
2. Article Number (Transfer from service label) 7012 346	0 0002 3648 1553			
PS Form 3811, July 2013 Domestic Re	turn Receipt KY0800273			

SCANNED JUN 0 9 2015 QC



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection Division of Water 200 Fair Oaks Lane 4th Floor Frankfort, Kentucky 40601 Phone: (502) 564-3410 Fax: (502) 564-2741

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

May 29, 2015

www.water.ky.gov

CERTIFIED MAIL: 7012 3460 0002 3647 7181 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

Re: NOTICE OF VIOLATION

AI ID: 2987 PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin m. Chitta

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951167 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .118 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at http://dep.gateway.ky.gov/DWW/

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bin m. Chitti

Brian Chitti

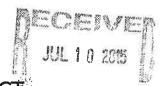
Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3647 7181



# MARTIN COUNTY WATER DISTRICT

387 East Main Street Suite 140 INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913 Fax

July 6, 2015

Kentucky Division of Water ATTN: Brian Chitti, Supervisor Compliance & Technical Assistance Section 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

RE: Repeat PN Extension Request PWSID: KY0800273

Dear Mr. Chitti,

Martin County Water District received two repeat violations (2015-9951164 and 2015-9951167) for exceeding the MCL for trihalomethanes and haloacetic acids locational running annual average during the compliance period 01/01/2015 to 03/31/2015. In accordance with 401 KAR 8:070, Martin County Water District respectfully requests a different repeat notice frequency of six months because we are trying hard to return to compliance and are working with various technical assistance providers. Additionally, we are trying to verify the actual compliance MCL exceedance numbers prior to proceeding with the public notification process.

If you have any questions, please contact me at (606) 298-3885.

Sincerely,

John Mills General Manager

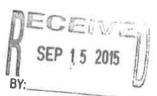
387 East Main Street, Suite 140 Inez, Kentucky 41224

THE MILE PROPERTY.

Kentucky Division of Water
Althi. Brian Chitti, Superdisor
Compliance + Fechnical Assistance Branch
200 Fair Daks Lane, 4th Floor

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE



PWS: <u>N</u>	Iartin (	County Water District #1	PWSID: KY0800273	Population: 10395
For Viol	ations(s):			
HAA5 2 TTHM 2	015-9951 2015-995	1164 - 1 st quarter 2015 repeat notice 167 - 1 st quarter 2015 repeat notice 1172 - 2 nd quarter 2015 repeat notice 171 - 2 nd quarter 2015 repeat notice		
That occ	urred on	date(s):		
01/01/20 04/01/20	015 to 03/ 015 to 03/ 015 to 06/ 015 to 06/	31/2015 30/2015		
I, the un	dersigned nents and	I, certify that public notice has been deadlines of the Public Notification	provided to our consumers in accordance wi (PN) requirements in 40 CFR 141.201 to 1	th the delivery, content, and format 41.210.
	1.	Consultation with DOW if require	ed, on:	
$\boxtimes$	2.	How notice was distributed (Inclu	ude copy of each type of notice for each	notification)
	Primary	Date: 9-1-15	Method: water bills	
	Second	ary Date: 9-2-15	Method: postings	
	3.	Copy sent to Consecutive Syste	ms (include date, PWSID, and PWS nar	ne)
		(Use additional sheets if necess.	ary)	
⊠	4.	Content: All ten required eleme	nts are in the notice.	1
M	5.	Other (attach description or expl	lanation of additional methods used or u	se back of sheet).
Printed Signatu		hn Mills Title: Manager	Date: 9/8/15	
Signatu		Chr. Inc.		
Address	:: 287 E N	Main St, Suite 140 Inez KY 4	11224	

Phone: 606-298-3885

### Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from 4/1/2015 through 6/30/2015 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM averaged at one of our system's locations for 4/1/2015 to 6/30/2015 was 0.088 mg/L and HAA was 0.077 mg/L.

• There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

• If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Martin County Water District 387 East Main St., Suite 140 Inez, KY 41224

(606) 298-3885

BILL DATE ACCOUNT

Bring Entire Card When Paying

In Person

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

Return Service Requested

9	LOCATION 4501 BUIL	alo Hom						DOUGH DOOR
ą	Service Lings	Moter # 171	Prior Date	Prior Read	Read Date	Cur. Read		Aumount
1	R1 Res. N/Tax Water	29934591	7/20/2015	750	8/20/2015	751	1000	\$26.50
ř	SC School Tax		State World	21 22		The second	0.07	\$0.80

Previous Due \$38.71

NET DUE NOW

(Fear Callet Diz 0/2015 Fay

UTF

After Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org



P.O. Box 1515

Inez Ky 41224

Horse by martin county evaluation in System (Description Assessments) as our customers, you have anged to know what appeared and what we did (are doing) to correct has situation.

te noutroity monter for the presence of drinking water contaminants. Testing results from #1/2015 treough 6/30/2015 show that our system exceeds the antand, or maximum contaminant level (MCL), for inhatomethanes (THM) and haloecotic atolds (HAA). The standard for THM is 0.060 mg/L and the antand, or maximum contaminant level (MCL), for inhatomethanes (THM) and haloecotic atolds (HAA). The standard for THM is 0.060 mg/L and the families of the lest 12 months. The level of THM and standard for the lest 12 months. The level of THM reregod at one of our system's locations for #1/2015 to 6/20/2016 was 0.088 mg/L and HAA wise 0.077 mg/L.

There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation erises where the water is no longer safe to donk, you will be notified within 24 hours.
If you have a serverely compromised immune system, have an infant, are prognant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

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THE WEST OF THE RESERVE OF THE PERSON

### Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
9/2/15	Blakemoore Estates
9/2/15	Warfield Post Office
9/2/15	Inez Post Office
9/2/15	Martin Co. Health Dept.
9/2/15	Dempsey Housing
9/2/15	Quail Hollow Apartments
9/2/15	Martin Co. Public Libraries
9/2/15	Martin County Court House

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John M	Iills /			
Signature:	4	This	Date: _	9/8/15

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#### **FIN CO. WATER DISTRICT**

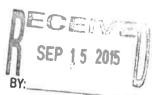
artin County Utility Board 387 E Main St Suite 140 Inea, KY 41224 (606)298-3885 7015 0640 0006 7953 4076



Attn: PN
Drinking Water Compliance & Technical Assistance
Compliance & Technical Assistance Branch
200 Fair Daks Lane, 4th Floor
Frankfort, KY 40601

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE



PWS: <u>N</u>	Iartin (	County	Water	Distri	et #1		PWSII	D: <u><b>KY08</b></u>	00273	1	Population:	<u>10395</u>	
For Viol	ations(s)												
TTHM 2 HAA5 2 TTHM 2 HAA5 2	2015-995 015-995 2015-995 015-995	1164 - 1 st 1167 - 1 st 1172 - 2 nd 1171 - 2 nd	quarter 2 quarter 2 quarter quarter	2015 re 2015 re 2015 re 2015 re	peat notice peat notice epeat notice peat notice	e							
That occ	curred on	date(s):											
01/01/20 04/01/20	015 to 03. 015 to 03. 015 to 06. 015 to 06.	/31/2015 /30/2015											
I, the un requiren	dersigned nents and	d, certify t deadlines	that publ s of the F	ic notic Public N	e has been lotification	provided (PN) red	l to our quireme	consumers ents in 40 (	s in accordance CFR 141.201 t	e with to <b>14</b> 1	the deliver	ry, conten	t, and format
	1.	Consulta	ation wil	th DOV	V if require	ed, on:							
$\boxtimes$	2.	How not	tice was	distrib	uted (Incl	lude cop	y of ea	ich type o	f notice for ea	ach n	otification)	)	
	Primary	/	Date:	9-1-	15	Method	: water	r bills					
	Second	lary	Date: 0	1-2-	15	Method	: posti	ngs					
	3.	Copy se	ent to Co	onsecu	tive Syste	ems (incl	ude da	ate, PWSI	D, and PWS I	namo	e)		
		(Use ad	ditional	sheets	if necess	sary)							
	4.	Content	: All ter	requi	red eleme	ints are i	n the n	notice.				1	
N	5,,	Other (a	attach de	escripti	on or exp	lanation	of add	iltional me	ethods used o	or use	e back of s	heet).	
Printed Signatur		ohn Mills	Title: M	anager				Date: _	9/8/15	-	-	r	/ ×
Address	: 287 E N	Main St, S	uite 140	Inez	KY 4	11224							

Phone: 606-298-3885

### Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from 4/1/2015 through 6/30/2015 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM averaged at one of our system's locations for 4/1/2015 to 6/30/2015 was 0.088 mg/L and HAA was 0.077 mg/L.

There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

 If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice

from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Martin County Water District 387 East Main St., Suite 140

Inez, KY 41224

(606) 298-3885

BILL DATE

Bring Entire Card When Paying

In Person

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

Return Service Requested

LOCATION 4501 Buffalo Horn

	Meter #	Prior Date	Prior Road	Para Date	Cur. Road	Ur apa	Funcunt
R1 Res N/Tax Water	29934591	7/20/2015	750	8/20/2015	751	1000	\$26.50
SC School Tax	DIVINORS DE L'ANNEXAM	A CANADAS	1 3 6 80	WINDLESCO VETE	THE PROPERTY OF THE PARTY OF		\$0.00

\$38.71

NET DUE NOW

After Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org



P.O. Box 1515

Inez Ky 41224

UTF

Trivially system recently violated a drinking water standard. Although this incoded was not an emergency, as our customers, you have a right to know what appended and what we did (are doing) to extract this situation. le reutiriely monitor for the presence of directing water contaminants. Testing results from 4/1/2015 through 6/30/2015 show that our system exceeds the anderd, or maximum contaminant level (MCL), for trihalomethenes (THM) and halocopic circles (HAA). The searched for THM is 0.060 mg/L, and the anderd for THM anderd for THM anderd for THM anderd for THM anderd for THM is 0.060 mg/L. These and determined by managing all samples collocated at each samplarg location for the last 12 months. The level of THM incregod at one of our system's locations for 4/1/2015 to 6/30/2015 was 0.088 mg/L, and HAA was 0.077 mg/L.

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ame people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, bidneys, or central evolus system, and may have an increased risk of getting cancer. Some people who drink water containing haloscetic docks in excess of the MCL over any years may have an excessed risk of getting cancer.

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ease share this intermation with will the other people who drink this water, especially those who may not have received this notice directly flor example, topic in apartments, number place or distributing copies by hand or mail topic in apartments, number places and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail

中国大学(全国)和广东发展的一种发展。 国际国际政

### Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
9/2/15	Blakemoore Estates
9/2/15	Warfield Post Office
9/2/15	Inez Post Office
9/2/15	Martin Co. Health Dept.
9/2/15	Dempsey Housing
9/2/15	Quail Hollow Apartments
9/2/15	Martin Co. Public Libraries
9/2/15	Martin County Court House

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John Mills			
Signature:	Mi	Date: _	9/8/15

<u>թվական գրվակարդիկան արդականի</u>

### **FIN CO. WATER DISTRICT**

ertin County Utility Board 387 E Main St Suite 140 Inea, KY 41224 (606)298-3885 7015 0640 0006 7953 4076



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Attn: PN
Drinking Water Compliance & Technical Assistance
Compliance & Technical Assistance Branch
200 Fair Daks Lane, 4th Floor
Frankfort, KY 40601



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Leonard K. Peters
Secretary

R, Bruce Scott Commissioner

www.water.ky.gov
July 30, 2015

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: REVISED NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued this revised Notice of Violation for violations discovered at your facility. This notice replaces the notice dated May 29, 2015. Please review this revised Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin m. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

9

### COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951164 **Determination Date:** 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .094 mg/l exceeded the MCL of 0.080 mg/l.

### The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: July 30, 2015



#### ENERGY AND ENVIRONMENT CABINET

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

May 29, 2015

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

CERTIFIED MAIL: 7012 3460 0002 3647 7181 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

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Sincerely,

Bin m. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

### COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951164 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

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Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .113 mg/l exceeded the MCL of 0.080 mg/l.

## The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

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ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Brian M. Chitti

Brian Chitti

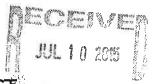
Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3647 7181



# MARTIN COUNTY WATER DISTRICT

387 East Main Street Suite 140 INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913 Fax

July 6, 2015

Kentucky Division of Water ATTN: Brian Chitti, Supervisor Compliance & Technical Assistance Section 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

**RE: Repeat PN Extension Request** 

PWSID: KY0800273

Dear Mr. Chitti,

Martin County Water District received two repeat violations (2015-9951164 and 2015-9951167) for exceeding the MCL for trihalomethanes and haloacetic acids locational running annual average during the compliance period 01/01/2015 to 03/31/2015. In accordance with 401 KAR 8:070, Martin County Water District respectfully requests a different repeat notice frequency of six months because we are trying hard to return to compliance and are working with various technical assistance providers. Additionally, we are trying to verify the actual compliance MCL exceedance numbers prior to proceeding with the public notification process.

If you have any questions, please contact me at (606) 298-3885.

Sincerely,

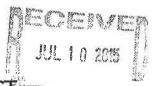
John Mills General Manager

387 East Main Street, Suite 140 Inez, Kentucky 41224



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Kentucky Division of Water Attn: Brian Chitti, Superdisor Compliance & Fectinical Assistance Branch 200 Fair Docks Lane, 4th Floor 40501 FERRESON KANNING MANING MANING THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE



# MARTIN COUNTY WATER DISTRICT

387 East Main Street Suite 140 INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913 Fax

July 6, 2015

Kentucky Division of Water ATTN: Brian Chitti, Supervisor Compliance & Technical Assistance Section 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

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PWSID: KY0800273

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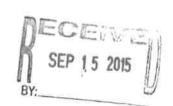
Sincerely,

John Mills General Manager THE WILL BEST 387 East Main Street, Suite 140 Inez, Kentucky 41224

Kentucky Division of Water
Althi. Brian Chitti, Superdisor
Compliance of Technical Assistance Branch
300 Fair Doks Lane, 4th Floor

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE



PWS: N	lartin (	County Water District #	PWSID: <u>KY0800273</u> Population: <u>10395</u>
For Vio	lations(s)	:	
TTHM: HAA5 2 TTHM: HAA5 2	2015-995 2015-995 2015-995 2015-995	1164 - 1 st quarter 2015 repeat r 1167 - 1 st quarter 2015 repeat r 1172 - 2 nd quarter 2015 repeat 1171 - 2 nd quarter 2015 repeat	otice otice otice otice
That occ	curred on	date(s):	
01/01/20 04/01/20	015 to 03 015 to 03 015 to 06 015 to 06	/31/2015 /30/2015	
I, the un requirer	dersigne nents and	I, certify that public notice has deadlines of the Public Notific	been provided to our consumers in accordance with the delivery, content, and format ation (PN) requirements in 40 CFR 141.201 to 141.210.
	1.	Consultation with DOW if re	quired, on:
$\boxtimes$	2.	How notice was distributed	(Include copy of each type of notice for each notification)
	Primary	Date: 9-1-15	Method: water bills
	Second	ary Date: 9-2-15	Method: postings
	3.	Copy sent to Consecutive S	ystems (include date, PWSID, and PWS name)
		(Use additional sheets if ne	cessary)
M	4:	Content: All ten required e	ements are in the notice.
M	5:	Other (attach description or	explanation of additional methods used or use back of sheet).
Printed Signatur		hn Mills Title: Manager	Date: 9/8/15
Address	: 287 E N	Main St, Suite 140 Inez KY	411224

Phone: 606-298-3885

### Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

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This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Martin County Water District 387 East Main St., Suite 140

Inez, KY 41224

(606) 298-3885

BILL DATE ACCOUNT

Bring Entire Card When Paying

In Person

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID **PERMIT #2 INEZ, KY 41224** 

Return Service Requested

GCATION 4501 Buffalo Hor

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8	R1 Res N/Tax Water	29934591	7/20/2015	750	8/20/2015	751	1000	\$26.50
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\$38.71

NET DUE NOW

\$66.01

otherate America corzona Pay

After Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org



P.O. Box 1515

Inez Ky 41224

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would by major country reason braining — system for a revocuer?

Our water system recently violated a danking water standard. Although this incident was not an emergency, as our customers, you have a right to know what appeared and what we did (are doing) to extract this situation.

Is routinely monitor for the presence of dimeting water contaminents. Testing results from #1/2015 through 6/30/2015 show that our system exceeds the ansard, or maximum contaminant level (MCL), for sinalomethanes (THM) and halpscode soids (LMA). The standard for THM is 0.080 mg/L, and the andard for HAA is 0.090 mg/L. These are determined by everaging all samples collected at each sampling location for the last 12 months. The level of THM relayed at one of our system's locations for #1/2015 to 6/30/2015 was 0.088 mg/L, and HAA was 0.077 mg/L.

There is nothing you need to do. You do not need to boil your water or take other corrective actions, it is situation arises where the water is no longer safe to drink, you will be notified within 24 hours. It you have a servicely compromised instrume system, have an infant, are programt, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

sine people who dank water containing trihalomethanes in excess of the MCL over many years may experience problems with their ever, todneys, or central stricus system, and may have an increased risk of getting cancer. Some people who dank water containing talksaceto solds in excess of the MCL over any years may have an increased risk of getting cancer.

ha is not an emergency, if it had been an emergency, you would have been notified within 24 hours.

To are working to minimize the formation of finalcomethenes and haloacetic acids white minimizing we maintain an adoquate level of disinfectant. We have learn additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been additional steps to change disinfectant levels, remove natural organic matter, and increased that has the distribution system. We arisologist resolving the problem within facilities. We are also monitoring water along back levels and water flow patterns within the distribution system. We arisologist resolving the problem within a next quarter but the compliance calculation is based upon another agest and it may be several quarters before compliance calculation is based upon another agest and it may be several quarters before compliance calculation.

or more information, please contact John Mills at 600-258-3855 or 387 E Main St. Sulta 140, Inez, KY 41224

lease share this information with all the other people who drink this water, especially those who may not have received this notice directly for example, topic in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing coales by hand or make

The property of the second

### Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
9/2/15	Blakemoore Estates
9/2/15	Warfield Post Office
9/2/15	Inez Post Office
9/2/15	Martin Co. Health Dept.
9/2/15	Dempsey Housing
9/2/15	Quail Hollow Apartments
9/2/15	Martin Co. Public Libraries
9/2/15	Martin County Court House

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John M	Hils /			
Signature:	The	This	Date: 9/8//	ی

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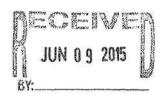
#### **TIN CO. WATER DISTRICT**

artin County Utility Board 387 E Main St Suite 140 Ines, KY 41224 (606)298-3885 7015 0640 0006 7953 4076



Àc

Attn: PN
Drinking Water Compliance & Technical Assistance
Compliance & Technical Assistance Branch
200 Fair Daks Lane, 4th Floor
Frankfort, KY 40601



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY					
<ul> <li>Complete items 1, 2, and 3. Also complete witem 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the maliplece, or on the front if space permits.</li> </ul>	A. Signature  X					
1. Article Addressed to:  JOHN MILLS MARTIN CO WATER DISTRICT #1	D. Is delivery address different from item 1?  If YES, enter delivery address below:					
287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type ☐ Certified Mail® ☐ Priority Mail Express™ ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ Collect on Delivery					
	4. Restricted Delivery? (Extra Fee)					





#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

R. Bruce Scott Commissioner

Leonard K. Peters

Secretary

www.water.ky.gov
August 28, 2015

CERTIFIED MAIL: 7014 1820 0000 5796 8464 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273 PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bis M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure



#### COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION **Division of Water**

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUTTE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951171 Determination Date: 08/06/2015

Compliance Period: 04/01/2015 - 06/30/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 04/01/2015 - 06/30/2015. The reported result of .083 mg/l exceeded the MCL of 0.060 mg/l.

## The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Submit proof of public notification and its certification within ten (10) days of executing public notification.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Bin M. Chitta

Date: August 28, 2015

How Delivered: Certified/Registered #7014 1820 0000 5796 8464



#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Secretary

Leonard K. Peters

R. Bruce Scott Commissioner

August 28, 2015

CERTIFIED MAIL: 7014 1820 0000 5796 8464 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely, Brian M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

C: Drinking Water Program files Enclosure

### COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION **Division of Water**

#### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951172 **Determination Date:** 08/06/2015

Compliance Period: 04/01/2015 - 06/30/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 04/01/2015 - 06/30/2015. The reported result of .088 mg/l exceeded the MCL of 0.080 mg/l.

## The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

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Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

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If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Bian. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

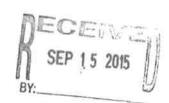
Division of Water

Date: August 28, 2015

How Delivered: Certified/Registered #7014 1820 0000 5796 8464

# PUBLIC NOTIFICATION (PN) CERTIFICATION

### SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE



PWS: N	<u> Aartin</u>	County	Water	Distr	ict #1	P	WSID: K	Y080027	3	Population	: <u>10395</u>	
For Vio	lations(s)	):										
HAA5 2 TTHM	2015-995 2015-995	1167 - 1' 51172 - 2	^t quarter nd quarter	2015 re 2015 r	epeat notice peat notice epeat notice epeat notice	e						
That oc	curred on	date(s):										
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									cordance w 41.201 to 1		ery, conter	nt, and format
	1.	Consultation with DOW if required, on:										
$\boxtimes$	2.	How notice was distributed (Include copy of each type of notice for each notification)										
						Method: v	vater bill:	S				
						Method: p	ostings					
	3.	Copy s	ent to C	onsecu	tive Syste	ems (includ	e date, f	PWSID, an	d PWS nar	ne)		
	(Use additional sheets if necessary)											
$\boxtimes$	4,	Content: All ten required elements are in the notice.										
V	5.	Other (	attach d	escripti	on or exp	lanation of	addition	al methods	s used or us	se back of	sheet).	1
Printed Signatur		ohn Mills	Title: M	lanager			Di	ate: <u>9</u> /	8/15	- ジ	ř	1
Address	: 287 E N	Main St, S	Suite 140	Inez	KY 4	11224						

Phone: 606-298-3885

# Notice by Martin County Water District - System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from 4/1/2015 through 6/30/2015 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM averaged at one of our system's locations for 4/1/2015 to 6/30/2015 was 0.088 mg/L and HAA was 0.077 mg/L.

- There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.
- If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Martin County Water District 387 East Main St., Suite 140

Inez, KY 41224

(606) 298-3885

BILL DATE ACCOUNT

Bring Entire Card When Paying

In Person

9/20/2015

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID. PERMIT #2 INEZ, KY 41224

Return Service Requested

LOCATION 4501 Buffalo Horn

Service:	Materia	Prior Date	Prior Read	Read Date	Gur. Read	Usage	Angun
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\$38.71

NET DUE NOW

\$66.01 | H Phid Alle 9/20/2015 Pay \$68.74

After Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org



P.O. Box 1515 Inez Ky 41224

The water system recently violated a direction standard. Although this incident was not an emergency, as our customers, you have a right to know what appened and what we did (are doing) to extract this situation.

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There is nothing you need to do. You do not need to boil your eater or take other corrective actions, if a situation prises where the water is no longer safe to drink, you will be notified within 24 hours.
If you have a severely compromised immune system, have an intent, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers should drinking this water.

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The are working to minerate the formation of transformations and helioscetic acids white ensuring we maintain an adequate level of distributions and for efforts have been formation at opening distribution and the standard formation and the problem within the distribution system. We are also moretoring water storage tank levels and water flow patterns within the distribution system. We are also moretoring water storage tank levels and water flow patterns within the distribution system. We are also more tong a section of the problem within a next guarter but the compliance calculation is based upon signals everages and it may be several quarters before compliance as achieved.

or more information, please contact John Mills at 600-298-3885 or 387 E Main St. Suite 140, Invoz, KY 41224

lease share this information with all the other people who druk this water, especially those who may not have received this notice directly (for example, sopple in apartments, number homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or make

THE REPORT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE

# Public Notification "Posting Sites"

System: Martin County Water District PV

PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
9/2/15	Blakemoore Estates
9/2/15	Warfield Post Office
9/2/15	Inez Post Office
9/2/15	Martin Co. Health Dept.
9/2/15	Dempsey Housing
9/2/15	Quail Hollow Apartments
9/2/15	Martin Co. Public Libraries
9/2/15	Martin County Court House

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John M	fills /			
Signature:	4	Thái	Date: _	9/8/15

<u>այլինաակվայարդիկիկորորդիչիցիրի</u>

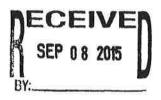
**TIN CO. WATER DISTRICT** 

artin County Utility Board 387 E Main St Suite 140 Inez, KY 41224 (606)298-3885 7015 0640 0006 7953 4076



Ì

Attn: PN
Drinking Water Compliance & Technical Assistance
Compliance & Technical Assistance Branch
200 Fair Daks Lane, 4th Floor
Frankfort, KY 40601



	4. Restricted Delivery? (Extra Fee)		
MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type  ☐ Certified Mail* ☐ Priority Mail Express* ☐ Registered ☐ Return Receipt for Merchandle ☐ Insured Mail ☐ Collect on Delivery		
JOHN MILLS			
or on the front if space permits.  1. Article Addressed to:	D. is delivery address different from Item 1? Yes If YES, enter delivery address below:		
Item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the maliplece,	X Helen Proctor Agent Addressed  B. Received by (Printed Name)  C. Date of Deliver  9-3		
Complete Items 1, 2, and 3. Also complete	A. Signature		



Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601

Phone: (502) 564-3410 Fax: (502) 564-2741 www.water.ky.gov

December 11, 2015

Secretary

Charles G. Snavely

R. Bruce Scott Commissioner

CERTIFIED MAIL: 7015 0640 0005 6317 6221 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

Matthew G. Bevin

Governor

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch

Division of Water

# NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2016 - 9951174 **Determination Date:** 11/09/2015

Compliance Period: 07/01/2015 - 09/30/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 07/01/2015 - 09/30/2015. The reported result of .081 mg/l exceeded the MCL of 0.080 mg/l.

# The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

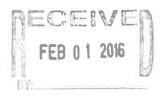
Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: December 11, 2015

How Delivered: Certified/Registered #7015 0640 0005 6317 6221



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY			
Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mallplece,		A. Signature  X Sans Madde  B. Received by (Printed Name)  C. Date of De			
or on the front if space perm  1. Article Addressed to:	nits.	D. le delivery address different from item 1?  If YES, enter delivery address below: No			
JOHN MILLS					
	ISRTICT #1				
MARTIN CO WATER D 287 E MAIN ST SUITE					
MARTIN CO WATER D		3. Service Type  Certified Mail* Registered Insured Mail	elpt for Merchandise		
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MARTIN CO WATER D 287 E MAIN ST SUITE		Certified Mail* Priority Mail Registered Return Rec Insured Mail Collect on I	elpt for Merchandise Delivery		



Matthew G Bevin
Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Charles G Snavely
Secretary

R. Bruce Scott Commissioner

www.water.ky.gov

March 9, 2016

CERTIFIED MAIL: 7015 3430 0000 4915 0321 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin m. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

# NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2016 - 9951175 Determination Date: 02/10/2016

Compliance Period: 10/01/2015 - 12/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8, [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

**Description of Non Compliance:** 

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 10/01/2015 - 12/31/2015. The reported result of .123 mg/l exceeded the MCL of 0.080 mg/l.

# The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at http://dep.gateway.ky.gov/DWW/

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@kv.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By: Bin M. Chitti

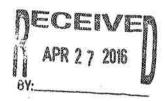
Brian Chitti Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: March 9, 2016

How Delivered: Certified/Registered #7015 3430 0000 4915 0321



A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul> <li>Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> </ul>	A. Signature  X Helen Proctor  Addressee
Attach this card to the back of the mallpiece, or on the front if space permits.	B. Received by (Printed Name) C. Date of Delivery
	D. Is delivery address different from Item 1? Yes If YES, enter delivery address below:
JOHN MILLS	
MARTIN CO WATER DISTRICT #1	
(287) E MAIN ST SUITE 140 (14EZ, KY 41224	3. Service Type ☐ Certified Mail® ☐ Priority Mail Express™
340	☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ Collect on Delivery
. 0	4. Restricted Delivery? (Extra Fee)
2. Article Number (Transfer from service label) 7015 3430	) 0000 4915 0321
PS Form 3811, July 2013 Domestic Re	eturn Receipt KY 0800273



Matthew G Bevin Governor

Department for Environmental Protection 300 Sower Boulevard Frankfort, Kentucky 40601 www.water.ky.gov Charles G Snavely Secretary

> R. Bruce Scott Commissioner

June 27, 2016

CERTIFIED MAIL: 7015 3430 0000 4915 3001 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987 PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)782-6984 or email at kelleem.husband@ky.gov.

Sincerely,

Sarah Gaddis

Drinking Water CTAB Acting Supervisor Compliance & Technical Assistance Branch

Division of Water

Jaran Jon Gadis

# NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2016 - 9951176 Determination Date: 05/05/2016

Compliance Period: 01/01/2016 - 03/31/2016 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

**Description of Non Compliance:** 

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2016 - 03/31/2016. The reported result of .062 mg/l exceeded the MCL of 0.060 mg/l.

# The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5).

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

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Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penaltics of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>.

If you have questions or need further information, write or call Kellee Husband at (502)782-6984 or email at kelleem.husband@ky.gow.

#### ALL DOCUMENTATION MUST BE SUBMITTED TO:

Saran Jon Gradis

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
300 Sower Boulevard
Frankfort, KY 40601

Issued By:

Sarah Gaddis

Drinking Water CTAB Acting Supervisor Compliance & Technical Assistance Branch

Division of Water

Date: June 27, 2016

How Delivered: Certified/Registered #7015 3430 0000 4915 3001

# Patch III – Next page starts new Batch

Agency Interest Number:	2987
Program Code:	03
Received Date:	(0127110
Document Description	ICMRSE
Functional Area Code:	374

Batch Name: 68	Operator			
Prepared:	Operator			
Scanned:	Operator Rescan Required:			
Quality Check:	Operator			
Rescanned:	Operator			
Indexed:	Operator			
DePrep:	Operator			

 (a) (a)	Received
 Duplex (2-sided)	JUL 2 0 2016
 Color pages	File Room
 11 x 17 pages	
 81/2 x 14 (legal)	
 Other	



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

R. Bruce Scott Commissioner

Leonard K. Peters

Secretary

August 28, 2015

CERTIFIED MAIL: 7014 1820 0000 5796 8464 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: **NOTICE OF VIOLATION** AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water



### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

**PWSID:** KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951171 Determination Date: 08/06/2015

Compliance Period: 04/01/2015 - 06/30/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

**Description of Non Compliance:** 

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 04/01/2015 - 06/30/2015. The reported result of .083 mg/l exceeded the MCL of 0.060 mg/l.

# The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

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Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bin M. Chitte

Brian Chitti Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: August 28, 2015

How Delivered: Certified/Registered #7014 1820 0000 5796 8464



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Secretary

R. Bruce Scott

Commissioner

Leonard K. Peters

August 28, 2015

RETURN RECEIPT REQUESTED

CERTIFIED MAIL: 7014 1820 0000 5796 8464

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273 PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

**PWSID:** KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951172 Determination Date: 08/06/2015

Compliance Period: 04/01/2015 - 06/30/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 04/01/2015 - 06/30/2015. The reported result of .088 mg/l exceeded the MCL of 0.080 mg/l.

### The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Violations of the above cited statutes and/or regulations are subject to a civil penalty. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bia M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

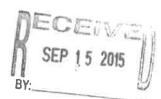
Division of Water

Date: August 28, 2015

How Delivered: Certified/Registered #7014 1820 0000 5796 8464

# PUBLIC NOTIFICATION (PN) CERTIFICATION

# SEE GENERAL INSTRUCTIONS AND MAILING ADDRESS ON NEXT PAGE



PWS: ]	Martin	County Water District #1	PWSID: <b><u>KY0800273</u></b>	Population: 10395		
For Vic	olations(s	):				
TTHM HAA5 TTHM HAA5	2015-99 2015-99 2015-99 2015-99	51164 - 1 st quarter 2015 repeat notice 51167 - 1 st quarter 2015 repeat notice 51172 - 2 nd quarter 2015 repeat notice 51171 - 2 nd quarter 2015 repeat notice				
That oc	curred or	n date(s):				
01/01/2 04/01/2	015 to 03	3/31/2015 3/31/2015 5/30/2015 5/30/2015				
I, the ur	ndersigne ments and	ed, certify that public notice has been provided deadlines of the Public Notification (PN) red	to our consumers in accordance w quirements in 40 CFR 141.201 to 1	ith the delivery, content, and format 41.210.		
	1.	Consultation with DOW if required, on:				
	2.	How notice was distributed (Include copy of each type of notice for each notification)				
Primary Date: 9-1-15 Method: water bills						
	Second	dary Date: 9-2-15 Method	: postings			
	3.	Copy sent to Consecutive Systems (incl	ude date, PWSID, and PWS nar	ne)		
		(Use additional sheets if necessary)				
X	4.	Content: All ten required elements are in the notice.				
N	5	Other (attach description or explanation	of additional methods used or us	se back of sheet).		
Printed 1		hn Mills Title: Manager	Date: 9/9/15			
Address	: 287 E N	Main St, Suite 140 Inez KY 411224				

Phone: 606-298-3885

# Notice by Martin County Water District – System ID#: KY0800273

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from 4/1/2015 through 6/30/2015 show that our system exceeds the standard, or maximum contaminant level (MCL), for trihalomethanes (THM) and haloacetic acids (HAA). The standard for THM is 0.080 mg/L and the standard for HAA is 0.060 mg/L. These are determined by averaging all samples collected at each sampling location for the last 12 months. The level of THM averaged at one of our system's locations for 4/1/2015 to 6/30/2015 was 0.088 mg/L and HAA was 0.077 mg/L.

- There is nothing you need to do. You do not need to boil your water or take other
  corrective actions. If a situation arises where the water is no longer safe to drink,
  you will be notified within 24 hours.
- If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

We are working to minimize the formation of trihalomethanes and haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We anticipate resolving the problem within the next quarter but the compliance calculation is based upon annual averages and it may be several quarters before compliance is achieved.

For more information, please contact John Mills at 606-298-3885 or 387 E Main St. Suite 140, Inez, KY 41224.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Martin County Water District. 387 East Main St., Suite 140

Inez, KY 41224

(606) 298-3885

BILL DATE ACCOUNT

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT #2 INEZ, KY 41224

Return Service Requested

LOCATION 4501 Buffalo Hor

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SC School Tax				Company of the last	PARTY IN		\$0.80

Bring Entire Card When Paying

In Person

\$38.71

NET DUE NOW

After Hours Emergency Number: (606) 298-7439

Pay your bill @ www.mcub.org



P.O. Box 1515

Inez Ky 41224

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# Public Notification "Posting Sites"

System: Martin County Water District PWSID: KY0800273

State and Federal regulations require that a community water system provide a public notification when maximum contaminant levels (MCL) have been exceeded or when other monitoring and reporting violations have occurred. One of the requirements may be to post the notice throughout the community.

Date	Name of Facility
9/2/15	Blakemoore Estates
9/2/15	Warfield Post Office
9/2/15	Inez Post Office
9/2/15	Martin Co. Health Dept.
9/2/15	Dempsey Housing
9/2/15	Quail Hollow Apartments
9/2/15	Martin Co. Public Libraries
9/2/15	Martin County Court House

I, the undersigned, confirm that a copy of the Public Notification was prepared and distributed to the above listed facilities.

Printed Name: John M	1ills /			
Signature:	JL.	This	Date: _	9/8/15

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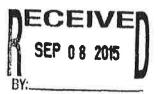
**FIN CO. WATER DISTRICT** 

artin County Utility Board 387 E Main 5t Suite 140 Ines, KY 41224 (606)298-3885 7015 0640 0006 7953 4076

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Attn: PN
Drinking Water Compliance & Technical Assistance
Compliance & Technical Assistance Branch
200 Fair Daks Lane, 4th Floor
Frankfort, KY 40401



2. Article Number (Therefor from service label) 7014	1820 0000 5796 8464	
	4. Restricted Delivery? (Extra Fee)	
287 E MAIN ST SUITE 140 INEZ, KY 41224	3. Service Type  Certified Mail* Priority Mail Express** Registered Return Receipt for Merchandle I insured Mail Collect on Delivery	
JOHN MILLS MARTIN CO WATER DISTRICT #1	7	
or on the front if space permits.  1. Article Addressed to:	D. le delivery address different from Item 1? Yes If YES, enter delivery address below:	
<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailplece, are the front if names poweries.</li> </ul>	A. Signature  X Hulyn Proctor Agent  B. Received by (Printed Name)  C. Date of Deliver	
SEMBER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	



Matthew G. Bevin Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

R. Bruce Scott Commissioner

Charles G. Snavely

Secretary

December 11, 2015

www.water.ky.gov

CERTIFIED MAIL: 7015 0640 0005 6317 6221 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brie M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2016 - 9951174 Determination Date: 11/09/2015

Compliance Period: 07/01/2015 - 09/30/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

**Description of Non Compliance:** 

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 07/01/2015 - 09/30/2015. The reported result of .081 mg/l exceeded the MCL of 0.080 mg/l.

# The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

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ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

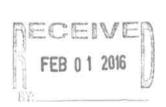
Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: December 11, 2015

How Delivered: Certified/Registered #7015 0640 0005 6317 6221



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DE	COMPLETE THIS SECTION ON DELIVERY	
Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mailpiece, or on the front if space permits.		x C Sanson	Agent D Addressee	
		B. Received by (Printed Name)	C. Date of Delivery	
		D. Is delivery address different from item 17. Yes If YES, enter delivery address below:		
JOHN MILLS				
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MARTIN CO WATER D				
287 E MAIN ST SUITE INEZ, KY 41224		3. Service Type  Certified Mail* Registered Return Re Insured Mail	celpt for Merchandise	
267 E MAIN ST SUITE		☐ Certified Mail* ☐ Priority M ☐ Registered ☐ Return Re	celpt for Merchandise	
267 E MAIN ST SUITE	140	☐ Certified Mail® ☐ Priority M ☐ Registered ☐ Return Re ☐ Insured Mail ☐ Collect on	celpt for Merchandise Delivery	



Matthew G Bevin Governor

Department for Environmental Protection 300 Sower Boulevard Frankfort, Kentucky 40601 www.water.ky.gov Charles G Snavely Secretary

> R. Bruce Scott Commissioner

June 27, 2016

CERTIFIED MAIL: 7015 3430 0000 4915 3001 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

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Sincerely,

Sarah Gaddis

Drinking Water CTAB Acting Supervisor Compliance & Technical Assistance Branch

Division of Water

aran Jon Gradis

# NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

**PWSID:** KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2016 - 9951177 Determination Date: 05/05/2016

Compliance Period: 01/01/2016 - 03/31/2016 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

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**Description of Non Compliance:** 

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#### ALL DOCUMENTATION MUST BE SUBMITTED TO:

Jaran Jon Gaddis

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
300 Sower Boulevard
Frankfort, KY 40601

Issued By:

Sarah Gaddis

Drinking Water CTAB Acting Supervisor Compliance & Technical Assistance Branch

Division of Water

Date: June 27, 2016

How Delivered: Certified/Registered #7015 3430 0000 4915 3001

## Patch III - Next page starts new Batch

Agency Interest Number:	2987				
Program Code:					
Received Date:	0127110				
Document Description	ICMRSE				
Functional Area Code:	374				

Batch Name: 69	Operator				
Prepared:	Operator				
Scanned:	Operator Rescan Required:	:			
Quality Check:	Operator				
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MATTHEW G. BEVIN GOVERNOR



CHARLES G. SNAVELY SECRETARY

#### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
300 FAIR OAKS LANE
FRANKFORT KENTUCKY 40601
www.kentuckv.gov

January 25, 2016

John Mills Martin Co. Water District 387 East Main St Suite 140 Inez, KY 41224

Re: AI Name Martin Co Water District

AI No. 2987

Case No. DOW-150292 Activity No. ERF20150001 Facility ID: KY0800273

Martin County

Dear Mr. Mills:

Your case has been referred to the Division of Enforcement of the Department for Environmental Protection to bring your facility into compliance with Kentucky's environmental laws. We will review the documentation and other information regarding your facility and then contact you to schedule an administrative conference so that we can discuss resolution of any outstanding issues. I have been assigned as the enforcement specialist for your case and you may contact me at (502) 564-2150, ext. 3604 or philip.kejzlar@ky.gov.

Sincerely,



Philip Kejzlar, Environmental Enforcement Specialist IV Division of Enforcement







MATTHEW G. BEVIN
GOVERNOR

#### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
300 FAIR OAKS LANE
FRANKFORT KENTUCKY 40601
www.kentucky.gov

February 10, 2016

CERTIFIED MAIL No. 7014 2120 0000 7298 4894 Return Receipt Requested

John Mills Martin Co. Water District 387 East Main St. STE 140 Inez. KY 41224

Re:

AI Name: Martin Co Water District

AI No. 2987

Case No. DOW-150292 Activity No. ERF20150001 Facility ID: KY0800273

Martin County

Dear Mr. Mills:

An Administrative Conference between Martin Co Water District and the Division of Enforcement is scheduled for March 2, 2016, beginning at 10:00 A.M. Eastern Time. The meeting will be held at the Division of Enforcement, 300 Fair Oaks Lane, Frankfort, Kentucky 40601. The purpose of the Administrative Conference will be to discuss the violations that were cited.

Please find the enclosed map to assist you in locating the conference. When you arrive at 300 Fair Oaks Lane, enter the front of the building and ask for Philip Kejzlar. The receptionist will contact me and I will escort you to the conference room. Since the Administrative Conference is informal, legal representation is not required. If you feel a legal representative is needed, please contact me at least five (5) working days prior to the meeting.

If you are unable to resolve your case in the Division of Enforcement, it may be necessary to refer your case for formal legal action. Should you have any questions regarding this correspondence, please contact me at (502) 564-2150 extension 3604.

Respectfully,

E-Signed by Philip_Kejzlar

VERIFY authenticity with e-Sign

Philip Kejzlar Environmental Enforcement Specialist IV Division of Enforcement

Enclosure





#### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Leonard K. Peters
Secretary

R. Bruce Scott Commissioner

July 30, 2015

www.water.ky.gov

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: REVISED NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued this revised Notice of Violation for violations discovered at your facility. This notice replaces the notice dated May 29, 2015. Please review this revised Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

9

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

**PWSID:** KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951164 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1]

This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .094 mg/l exceeded the MCL of 0.080 mg/l.

### The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bia M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: July 30, 2015



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

www.water.ky.gov May 29, 2015 Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

CERTIFIED MAIL: 7012 3460 0002 3647 7181. RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987 PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitta

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951167 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 01/01/2015 - 03/31/2015. The reported result of .118 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at http://dep.gateway.ky.gov/DWW/

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Brian M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3647 7181



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Secretary

R. Bruce Scott

Commissioner

Leonard K. Peters

March 1, 2015

www.water.ky.gov

CERTIFIED MAIL: 7014 2120 0000 7298 1015 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brin m. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

3

## COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951161 Determination Date: 02/05/2015

Compliance Period: 10/01/2014 - 12/31/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TOTAL HALOACETIC ACIDS (HAA5) The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 10/01/2014 - 12/31/2014. The reported result of .105 mg/l exceeded the MCL of 0.060 mg/l.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TOTAL HALOACETIC ACIDS (HAA5)

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Dira- IT I. Chille

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: March 1, 2015

How Delivered: Certified/Registered #7014 2120 0000 7298 1015



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Secretary

Leonard K. Peters

R. Bruce Scott Commissioner

May 29, 2015

www.water.ky.gov

CERTIFIED MAIL: 7012 3460 0002 3648 1553 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION
AI ID: 2987
PWSID: KY0800273
PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee' Husband at 502-564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Brian M. Chitta

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

2

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951168 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015

Violation Type: 35 FAILURE SUBMIT OEL REPORT FOR HAA5 Tier Level: 3

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST Contaminant: 2456 TOTAL HALOACETIC ACIDS (HAA5)

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 Section 1(1) TOTAL HALOACETIC ACIDS (HAA5) The public water system failed to submit Operational Evaluation Levels (OEL's) report for compliance period 01/01/2015 - 03/31/2015.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

As an alternative to the two methods listed above, the PWS may optionally provide notice to consumers by including the required language of the notice in the next CCR delivered to consumers by the PWS providing that the CCR meets the direct delivery requirements.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee' Husband at (502) 564-3410 ext. 4986.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410 x 4959

Issued By:

Brian M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3648 1553



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410

Phone: (502) 564-3410 Fax: (502) 564-2741 www.water.ky.gov

May 29, 2015

Leonard K. Peters
Secretary

R. Bruce Scott
Commissioner

CERTIFIED MAIL: 7012 3460 0002 3648 1553 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987 PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee' Husband at 502-564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin m. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

H

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT for ENVIRONMENTAL PROTECTION DIVISION of WATER

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951169 Determination Date: 05/11/2015

Compliance Period: 01/01/2015 - 03/31/2015

Violation Type: 35 FAILURE SUBMIT OEL REPORT FOR TTHM Tier Level: 3

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 Section 1 (1) TTHM The public water system failed to submit Operational Evaluation Levels (OEL's) report for compliance period 01/01/2015 - 03/31/2015.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within one (1) year following receipt by the PWS of this Notice of Violation.

As an alternative to the two methods listed above, the PWS may optionally provide notice to consumers by including the required language of the notice in the next CCR delivered to consumers by the PWS providing that the CCR meets the direct delivery requirements.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee' Husband at (502) 564-3410 ext. 4986.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601
(502) 564-3410 x 4959

Issued By:

Bia M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: May 29, 2015

How Delivered: Certified/Registered #7012 3460 0002 3648 1553



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

November 20, 2014

www.water.ky.gov

CERTIFIED MAIL: 7014 0150 0002 1561 1813 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bin m. Chitti

Brian Chitti Drinking Water CTAB Supervisor Compliance & Technical Assistance Branch Division of Water

C: Drinking Water Program files Enclosure

# COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To:

MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951159 Determination Date: 11/05/2014

Compliance Period: 07/01/2014 - 09/30/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1]

This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 07/01/2014 - 09/30/2014. The reported result of .101 mg/l exceeded the MCL of 0.080 mg/l.

Comments: Site SM8, SM7, 119, 118 exceeded MCL.

The remedial measure(s) and date(s) to be completed by are as follows: Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance Division of Water, Department for Environmental Protection 200 Fair Oaks Lane, 4th Floor Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: November 20, 2014

How Delivered: Certified/Registered #7014 0150 0002 1561 1813



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

March 1, 2015

CERTIFIED MAIL: 7014 2120 0000 7298 1015 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION AI ID: 2987

PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Kellee Husband at (502)564-3410 ext. 4986 or email at kelleem.husband@ky.gov.

Sincerely,

Bris- M. Chitte

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

## COMMONWEALTH OF KENTUCKY ENERGY & ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951162 Determination Date: 02/05/2015

Compliance Period: 10/01/2014 - 12/31/2014 Violation Type: 02 MCL, LRAA Tier Level: 2

PWS Facility: IDSE9999 IDSE - MARTN CO WATER DIST

Contaminant: 2950 TTHM

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:510 TTHM The public water system exceeded the MCL for locational running annual average (LRAA) of samples for the specific contaminant in compliance period 10/01/2014 - 12/31/2014. The reported result of .096 mg/l exceeded the MCL of 0.080 mg/l.

#### The remedial measure(s) and date(s) to be completed by are as follows:

Begin or continue quarterly monitoring for TTHM

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Kellee Husband at (502)564-3410 ext 4986 or email at kelleem.husband@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th Floor
Frankfort, KY 40601

Issued By:

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: March 1, 2015

How Delivered: Certified/Registered #7014 2120 0000 7298 1015



Steven L. Beshear
Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane, 4th floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov
April 29, 2015

Leonard K. Peters
Secretary

R. Bruce Scott Commissioner

CERTIFIED MAIL: 7014 2120 0000 7298 2210 RETURN RECEIPT REQUESTED

JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Re: NOTICE OF VIOLATION

AI ID: 2987 PWSID: KY0800273

PWS NAME: MARTIN CO WATER DISTRICT #1

COUNTY: MARTIN

Dear Mr. Mills:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Linda Metts at (502)564-3410 ext. 4984 or email at linda.metts@ky.gov.

Sincerely,

Brian M. Chitti

Brian Chitti
Drinking Water CTAB Supervisor
Compliance & Technical Assistance Branch
Division of Water

C: Drinking Water Program files Enclosure

3



### COMMONWEALTH OF KENTUCKY **ENERGY & ENVIRONMENT CABINET** DEPARTMENT FOR ENVIRONMENTAL PROTECTION Division of Water

#### NOTICE OF VIOLATION

To: MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224

PWSID: KY0800273

PWS Name: MARTIN CO WATER DISTRICT #1 AI ID: 2987

County: MARTIN

Violation Number: 2015 - 9951163 Determination Date: 03/31/2015

Compliance Period: 02/01/2015 - 02/28/2015

Violation Type: 43 SINGLE COMB FLTR EFFLUENT (IESWTR/LT1) Tier Level: 2

Contaminant: 0300 IESWTR

Public Water Systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1] This is to advise that you are in violation of the provision(s) cited below:

Description of Non Compliance:

401 KAR 8:150, Section 3 IESWTR The public water system exceeded the MCL for turbidity by exceeding 1.0 NTU in a combined filter effluent sample collected in the compliance period 02/01/2015 - 02/28/2015.

Comments: Failed to maintain CFE turbidity level below 1 NTU on 23rd for February 2015, single highest turbidity reported as 1.195 NTU; aslo failed to maintain CFE turbidity level below 0.3 NTU in 95% of monthly measurements with 11 of 167 samples exceeding 0.3 NTU.

The remedial measure(s) and date(s) to be completed by are as follows:

Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070] The specific public notification activities to be performed are listed below.

PWS must give notice to consumers, including other water systems you may provide water to, about a violation by mail delivery or hand delivery. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

If not all consumers can be notified by mail or hand delivery then the PWS must give notice to consumers about a violation by 1) publication in a newspaper of general circulation in the area served by the PWS or 2) by continuous posting in conspicuous places within the area served by the PWS. The notice must be executed within thirty (30) days following receipt by the PWS of this Notice of Violation.

Detailed information about your water system's violations & monitoring requirements can be easily accessed on Kentucky Drinking Water Watch at <a href="http://dep.gateway.ky.gov/DWW/">http://dep.gateway.ky.gov/DWW/</a>

If you have questions or need further information, write or call Linda Metts at (502)564-3410 ext 4984 or email at linda.metts@ky.gov.

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Drinking Water Compliance & Technical Assistance
Division of Water, Department for Environmental Protection
200 Fair Oaks Lane, 4th floor
Frankfort, KY 40601

Issued By:

Bin M. Chitti

Brian Chitti

Drinking Water CTAB Supervisor

Compliance & Technical Assistance Branch

Division of Water

Date: April 29, 2015

How Delivered: Certified/Registered #7014 2120 0000 7298 2210

English

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Tracking Number: 70142120000072984894

Updated Delivery Day: Tuesday, February 16, 2016

### Product & Tracking Information

Postal Product:

Features:

Certified Mall™

DATE & TIME

STATUS OF ITEM

LOCATION

February 16, 2016 , 2:49

pm

Delivered

INEZ, KY 41224

Your ilem was delivered at 2.49 pm on February 16, 2016 in INEZ, KY 41224.

February 16, 2016 , 8:51 am

Out for Delivery

INEZ, KY 41224

February 16, 2016, 8:41 am

Sorting Complete

INEZ, KY 41224

February 16, 2016, 8:10 am

Arrived at Unit

INEZ, KY 41224

February 16, 2016, 4:19 am

Departed USPS Facility

CHARLESTON, WV 25350

February 13, 2016 , 9:18 am

Arrived at USPS Facility

CHARLESTON, WV 25350

February 12, 2016 , 7:19 pm

Arrived at USPS Facility

LEXINGTON, KY 40511

### Track Another Package

Tracking (or receipt) number

Track It

### Manage Incoming Packages

Track all your packages from a dashboard. No tracking numbers necessary.

Available Actions

Text Updates

Email Updates

Sign up for My USPS





Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

May 20, 2013

Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

Martin County Water District No.1 Mr. John Mills 287 E. Main Street, Suite 140 Inez, Kentucky 41224

RE:

KY0800273

EKY DS D/DBP PBT 2013-2014

Dear Mr. Mills:

The Kentucky Compliance and Technical Assistance Branch (CTAB) would like to invite Martin County Water District No.1 (PWSID KY0800273) to participate in the Eastern Kentucky (EKY) Distribution System (DS) Disinfectants and Disinfection Byproducts (D/DBP) Performance Based Training (PBT); a multiple-system training initiative with the goal of transferring priority setting and problem solving skills to water plant personnel in order to optimize water treatment performance. PBT is a component of the Area-wide Optimization Program (AWOP) and is intended to assist systems in meeting compliance and optimization goals. The CTAB's Drinking Water Technical Assistance group will be coordinating the training.

The EKY DS D/DBP PBT will involve 2 participants from each utility for one day of training every 2-3 months over a period of 7 sessions. As each session builds upon the previous one, it is highly recommended that the same 2 operators attend all 6 sessions. It is requested that utility administrators attend the first and last sessions. The utilities will develop "action items" at each training session and work towards reaching set goals between sessions. Technical Assistance will work in a facilitative roll with utilities between sessions to keep the utilities on track.

The first training session will be held on Wednesday, June 5, 2013 at the Campton Elementary School located at 166 Highway 2491, Campton, Kentucky 41301. A tentative agenda and directions to the meeting location are attached.

Please note your staff should bring the following items are to session 1:

Field chlorine test kit and reagents



• Chlorine test kit verification supplies

Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270/384-4734 or email: <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

Gyptal David





Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

July 31, 2013

www.water.ky.gov

Leonard K. Peters
Secretary

R. Bruce Scott Commissioner

Mr. GARRETT DENNISTON CAMPTON WATER SYSTEM 135 BACK ST CAMPTON, KY 41301

> RE: KY1190061 EKY DS DDBP PBT

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind CAMPTON WATER SYSTEM (PWSID KY1190061 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal OVERIFY authenticity with Approveit



Steven L. Beshear Governor

Department for Environmental Protection Division of Water 200 Fair Oaks Lane 4th Floor Frankfort, Kentucky 40601 Phone: (502) 564-3410

Fax: (502) 564-2741 www.water.ky.gov

July 31, 2013

Mr. CARLOS COMBS HAZARD WATER DEPARTMENT PO BOX 420 HAZARD, KY 41701 Leonard K. Peters
Secretary

R. Bruce Scott Commissioner

RE: KY0970184 EKY DS DDBP PBT

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind HAZARD WATER DEPARTMENT (PWSID KY0970184 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal OVERIFY authenticity with Approveit



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

R. Bruce Scott Commissioner

Leonard K. Peters

Secretary

July 31, 2013

Mr. REVA CAMPBELL KNOTT CO WATER & SEWER DISTRICT 7777 Big Branch Road Vicco, KY 41773

> RE: KY0600062 EKY DS DDBP PBT

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind KNOTT CO WATER & SEWER DISTRICT (PWSID KY0600062 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal VERIFY authenticity with Approve It



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410

Fax: (502) 564-2741 www.water.ky.gov

July 31, 2013

Mr. MIKE WHITE MANCHESTER WATER WORKS 123 TOWN SQUARE MANCHESTER, KY 40962 Leonard K. Peters
Secretary

R. Bruce Scott
Commissioner

RE: KY0260737 EKY DS DDBP PBT

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind MANCHESTER WATER WORKS (PWSID KY0260737 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal Q VERIFY authenticity with Approve It



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741
www.water.ky.gov

July 31, 2013

Mr. JOHN MILLS MARTIN CO WATER DISTRICT #1 287 E MAIN ST SUITE 140 INEZ, KY 41224 Leonard K. Peters Secretary

> R. Bruce Scott Commissioner

RE: KY0800273 EKY DS DDBP PBT

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind MARTIN CO WATER DISTRICT #1 (PWSID KY0800273 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal VERIFY authenticity with Approveit



Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

July 31, 2013

www.water.ky.gov

Mr. GRONDALL POTTER MOUNTAIN WATER DIST #1 MARROW BONE PO BOX 3157 PIKEVILLE, KY 41502

> RE: KY0980575 EKY DS DDBP PBT

Leonard K. Peters

Secretary

R. Bruce Scott

Commissioner

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind MOUNTAIN WATER DIST #1 MARROW BONE (PWSID KY0980575 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal OVERIFY authenticity with Approve It



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

Department for Environmental Protection
Division of Water
200 Fair Oaks Lane
4th Floor
Frankfort, Kentucky 40601
Phone: (502) 564-3410
Fax: (502) 564-2741

July 31, 2013

www.water.ky.gov

Mr. NORA BAUER SALYERSVILLE MUNICIPAL WATER 401 COLLEGE ST SALYERSVILLE, KY 41465 Leonard K. Peters
Secretary

R. Bruce Scott
Commissioner

RE: KY0770566 EKY DS DDBP PBT

Dear Dear Sir or Madam,

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to remind SALYERSVILLE MUNICIPAL WATER (PWSID KY0770566 ) that Session 2 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, August 14, 2013 at the Eastern Kentucky University-Manchester Campus, in Manchester, KY. A tentative agenda and directions to the meeting location are attached. Certification hours will be provided for all licensed operators. If you have any questions, I can be reached at 270-384-4734 or at <a href="mailto:crystal.davis@ky.gov">crystal.davis@ky.gov</a>.

Sincerely,

E-Signed by Davis, Crystal VERIFY authenticity with Approveit

Crystal Davis, EKY DS DDBP PBT Coordinator Drinking Water Compliance & Technical Assistance Compliance & Technical Assistance Branch KY Division of Water



### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
625 HOSPITAL DRIVE
MADISONVILLE, KY 42431
PHONE (270) 824-7529
FAX (270) 824-7070
www.dep.ky.gov

October 2, 2013

Leonard K. Peters Secretary

R. Bruce Scott Commissioner

Mr. John Mills Martin County Water District No. 1 287 East Main Street, Suite 140 Inez, Kentucky 41224

> Re: KY0260737 EKY DS D/DBP PBT

Dear Mr. Mills:

The Kentucky Drinking Water Compliance and Technical Assistance Branch (DWCTAB) would like to inform Manchester Water Works (PWSID KY0260737) that Session 3 of the Disinfectants and Disinfection Byproducts (DDBP) Performance Based Training (PBT) will be held on Wednesday, October 16, 2013 at the Knott County Water & Sewer District water treatment plant located at 7777 Big Branch Road (Hwy 1231), Vicco, KY 41773. A tentative agenda is attached. Certification hours will be provided for all licensed operators. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:icensed-operators">icensed-operators</a>. If you have any questions of the icensed operators.

Sincerely,

Jackie Logsdon

Environmental Scientist II Kentucky Division of Water

puhie Logodon





### **ENERGY AND ENVIRONMENT CABINET**

Steven L. Beshear Governor

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
625 HOSPITAL DRIVE
MADISONVILLE, KY 42431
PHONE (270) 824-7529
FAX (270) 824-7070
www.dep.ky.gov

Leonard K. Peters Secretary

R. Bruce Scott Commissioner

October 8, 2014

Mr. John Mills Martin County Water District No. 1 287 East Main Street, Suite 140 Inez, Kentucky 41224

Re: EKY DS D/DBP PBT-Session 6

Dear Mr. Mills:

Kentucky Drinking Water Compliance and Technical Assistance (DWCTA) would like to inform Martin County Water District No.1 (PWSID KY0800273) that Session 6 of the Disinfectants and Disinfection Byproducts (D/DBP) Performance Based Training (PBT) will be held on Wednesday, October 15, 2014 in Room 109 of the EKU Manchester Campus located at 50 University Drive, Manchester, KY 40962. The agenda is attached. Please note; this will be the final session of this PBT series. We encourage utility managers and administrators attend this session. Certification hours will be provided for all licensed operators. If you have any questions, please contact me at 270-824-7529 or at <a href="mailto:jackie.logsdon@ky.gov">jackie.logsdon@ky.gov</a>.

Sincerely,

Jackie Logsdon, EKY DS D/DBP PBT Coordinator Drinking Water Compliance & Technical Assistance

Jachie Logodon

Compliance & Technical Assistance Branch

KY Division of Water



Technical Assistance	□PHONE CALL			
Report	□ ON-SITE VISIT			
	☐ OTHER (List)			
PWS Name: Martin County Water District #1	TA Staff: Russell Neal, Linda Metts, Don	DATE: 06/26/2013		
PWS#: KY0800273	Dekoster			
PWS Staff Involved: Tom Alley, John Mills		TIME: 9:30 AM		
Reason for TA visit: PBT facilitation and dis-	cuss peroxide use in tretment process			
Reason for TA visit: PBT facilitation and disconnection of TA provided: Met with Tom to disconnection to adding peroxide at hydromaterials for PBT Session #2.	uss potential of adding peroxide in WTP proces	ss to assist in lowering DBPs a and preparation of homewor		
Description of TA provided: Met with Tom to disc the plant. Looking in to adding peroxide at hydro	uss potential of adding peroxide in WTP proces teator. Assisted John with Stage II information	ss to assist in lowering DBPs and preparation of homewor		

Technical Assistance Report	□ PHONE CALL  □ ON-SITE VISIT  □ OTHER (List)		
PWS Name: Martin County Water District #1	TA Staff: Russell Neal, Linda Metts	DATE: 07/24/2013	
PWS #: KY0800273			
PWS Staff Involved: Tom Alley, John Mills		TIME: 10:00 AM	
Reason for TA visit: EKY DS DBP PBT fac  Description of TA provided: Assisted John with dentering and saving chlorine data in the spreadsh	istribution system spreadsheet for the PBT, N	ACWD was having difficulty computer and the spreadshee	
Description of TA provided: Assisted John with dentering and saving chlorine data in the spreadsh for fine now. Also facilatated in completion of pover the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same o	istribution system spreadsheet for the PBT, N eet. They installed Excel 2007 on their work verpoint presentation for the next PBT sessio	computer and the spreadshee	
Description of TA provided: Assisted John with di entering and saving chlorine data in the spreadsh	istribution system spreadsheet for the PBT, N eet. They installed Excel 2007 on their work verpoint presentation for the next PBT sessio	computer and the spreadshee	

<b>Techn</b>	echnical Assistance		□PHONE CAI	L		
Repor	·t			⊠ ON-SITE V	ISIT	
				OTHER (I	List)	
PWS Nam	e: Martin Cou	nty Wate	r District	TA Staff: Russe	II Neal	DATE: 08/15/2013
	Y0800273					
WS Staff	Involved: Joi	ın Mills				TIME: 9:40 AM
Reason fo	r TA visit: El	(Y DS	DBP PB	' facilitation		
	(50054	***************************************			w.h.c.tootooyo.go.a.aay	
escriptio	n of TA provid	ed:Assis	ted in DBF	sampling at WTP and a	II Stage II sites, S	Site SM5 was flush until minimum
dorine re	esidual was obt	ained.				
Site	Time	FCI	TCl	Lat./Long		
PT	9:40 AM	1.76	2.01	37.87242/-82.5195	2	
008	10:05 AM	1.05	1.43	37.89695/-82.5564		
SM5	12:10 AM	0		37.78749/-82.5994		
SM7	2:10 PM	0.82	0.93	37.92336/-82.4951	В	
SM8	1:10 PM	0.73	0.95	37.7052/-82.50197		
D	follows ups (as	noodod)	Cantinua	facilitatin during course	of PRT	
Required	ionow-up: (as	necueu)	Commue	iacintaini nuring course	***************************************	
				000000000		
INFORM	IATION COPI	ES TO:	(as needed	)		

Technical Assistance Report	⊠PHONE CALL  □ ON-SITE VISIT	
	OTHER (List)	
PWS Name: Martin County Water District #1	TA Staff: Russell Neal	DATE: 9/3/2013
PWS#: KY0800273		
PWS Staff Involved: John Mills		TIME:
Reason for TA visit: EKY DS DBP PBT facil	itation	***
Required follow-up: (as needed) Continue facilita	tin during course of PBT.	
INFORMATION COPIES TO: (as needed)		

Technical Assistance Report	⊠PHONE CALL	
Report	ON-SITE VISIT	
	OTHER (List)	
PWS Name: Martin County Water District #1	TA Staff: Russell Neal	DATE: 9/17/2013
PWS #: KY0800273		
PWS Staff Involved: John Mills		TIME:
Reason for TA visit: EKY DS DBP PBT facil	itation	
Required follow-up: (as needed) Continue facilita	ntin during course of PBT.	
INFORMATION COPIES TO: (as needed)		

Technical Assistance	⊠PHONE CALL	
Report	☐ ON-SITE VISIT	
	OTHER (List)	
PWS Name: Martin County Water District #1	TA Staff: Russell Neal	DATE: 10/2/2013
PWS#: KY0800273		
PWS Staff Involved: John Mills		TIME:
Reason for TA visit: EKY DS DBP PBT facili	itation	
Description of TA provided: Assisted in creating a a presentation for PBT Session 3.		
Required follow-up: (as needed) Continue facilita	tin during course of PBT.	
INFORMATION COPIES TO: (as needed)		

Technical Assistance	□PHONE CALL	
Report	⊠ on-site visit	
	☐ OTHER (List)	
PWS Name: Martin Co Water District	TA Staff: Russell Neal, Linsda Metts, Don DeKoster	DATE: 031913
PWS #: KY0800273	Dekosei	
PWS Staff Involved: Shawn Rowe		TIME: 100 PM
Reason for TA visit: PBT Interview  Description of TA provided: Interviewed water shared drive,	system regarding involvemnt in the 2013 DS DBP	PBT. See PBT notess on the
Required follow-up: (as needed) Contact syst	em regarding involvement.	
Required follow-up: (as needed) Contact syst		

Technical Assistance	□PHONE CALL	
Report	⊠ ON-SITE VISIT	
	OTHER (List)	
PWS Name: Martin Co Water District	TA Staff: Russell Neal	DATE: 08152013
PWS #: KY0800273		
PWS Staff Involved: DS Staff		TIME: 940 AM
Reason for TA visit: Assist with DBP samp  Description of TA provided:	ling	
Required follow-up: (as needed)		

Technical Assistance	□PHONE CALL	
Report	⊠ ON-SITE VISIT	
	☐ OTHER (List)	
PWS Name: Martin County Water Distrcit #1	TA Staff: Russell Neal	DATE: 3/21/2012
PWS#: KY0800273		
PWS Staff Involved: Tom Alley, John Mills		TIME: 11:00 AM
Reason for TA visit: Discuss DBP CPE partice  Description of TA provided: Discussed possible DB  DBP data. Discussed placing booster clorinators at One on Route 3 toward Lawrence County, 1 on Ro	P CPE with Tom and John. Reviewed and reco locations in the distribution system having diff	orded 2009 - 2011 plant tap Sculty maintaining residual.
Required follow-up: (as needed) Contact John M	ills regarding placement of boosters.	
INFORMATION COPIES TO: (as needed)		

Technical Assistance	□PHONE CALL	
Report	⊠ ON-SITE VISIT	
	OTHER (List)	
PWS Name: Martin County Water District #1	TA Staff: Russell Neal, Linda Metts, Don	DATE: 06/26/2013
PWS #: KY0800273	Dekoster	
PWS Staff Involved: Tom Alley, John Mills		TIME: 9:30 AM
Reason for TA visit: PBT facilitation and disc	uss peroxide use in tretment process	
the plant. Looking in to adding peroxide at hydrote materials for PBT Session #2,		
Required follow-up: (as needed) Continue facilitate	tin during course of PBT.	
INFORMATION COPIES TO: (as needed)		

Technical Assistance	□PHONE CALL	
Report	☐ ON-SITE VISIT	
	OTHER (List)	
PWS Name: Martin County Water District #1	TA Staff: Russell Neal, Linda Metts	DATE: 07/24/2013
PWS #: KY0800273		
PWS Staff Involved: Tom Alley, John Mills		TIME: 10:00 AM
Reason for TA visit: EKY DS DBP PBT facil	itation	
entering and saving chlorine data in the spreadshed for fine now, Also facilatated in completion of power	erpoint presentation for the next PBT session,	iputer and the spreadsheet
Required follow-up: (as needed) Continue facilita	tin during course of PBT.	
INFORMATION COPIES TO: (as needed)		

Techi	nical Ass	istan	ce		PHONE CALL	L L					
Repo	rt				ON-SITE VIS	ON-SITE VISIT					
					OTHER (Lis	.ist)					
PWS Nan	ne: Martin Cou	nty Wate	er District	#1	TA Staff: Russell	l Ne	al			DATI	E: 08/15/201
PWS#: K	Y0800273										
PWS Staf	f Involved: Joi	nn Mills								TIME	: 9:40 AM
Reason fo	or TA visit: El	ζY DS	DBP PB	Γ facilita	ıtion						
		4165007.5		10000000							
escriptio	on of TA provid	ed:Assis	ted in DBI	' samplin	g at WTP and all	l Sta	ige II	sites. S	Site SM5 wa	is flush u	ntil minimun
hlorine r	esidual was obt	ained.									
Site	Time	FCI	TCI	Lat./	long						
PT	9:40 AM	1.76	2.01		7242/-82.51952	,=					
008	9:40 AM	1.76	1.43		9695/-82.55648						
SM5	10:05 AM	0	1.43		3749/-82.59943	- 1					
SM7	2:10 PM	0.82	0.93		2336/-82.49518	- 1					
SM8	1:10 PM	0.73	0.95		052/-82.50197						
Required	i follow-up: (as	needed)	Continue	facilitati	i during course of	of PF	3T,				
	, ,			on ognesion.							
DIEGE	* A TELONI CONT	TO C TO C	(00 m = - d - d	IN 2222222			_				
INFORM	MATION COPI	ES TO:	(as needed	リ							

Technical Assistance	<b>⊠PHONE CALL</b>				
Report	☐ ON-SITE VISIT				
	OTHER (List)				
PWS Name: Martin County Water District #1	TA Staff: Russell Neal	DATE: 9/3/2013			
PWS#: KY0800273					
PWS Staff Involved: John Mills		TIME:			
Reason for TA visit: EKY DS DBP PBT facilitation					
Description of TA provided: Facilitated MCWD	staff in approaching additional sample	ng sites with approacha and ling in the distribution system.			
Description of TA provided: Facilitated MCWD	staff in approaching additional sample	ng sites with approacha and ling in the distribution system.			
Description of TA provided: Facilitated MCWD determination of other testing sites, MCWD states and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	staff in approaching additional sampli If will be conducting additional FCI test	ng sites with approacha and ling in the distribution system.			

Technical Assistance Report	☑PHONE CALL  ☐ ON-SITE VISIT	
2.0 P 0.1 V	OTHER (List)	
PWS Name: Martin County Water District #1	TA Staff: Russell Neal	DATE: 10/2/2013
PWS #: KY0800273		
PWS Staff Involved: John Mills		TIME:
Reason for TA visit: EKY DS DBP PBT facility	itation	
presentation for PBT Session 3.	# CDD!T	
Required follow-up: (as needed) Continue facilita	tin during course of PBT.	
INFORMATION COPIES TO: (as needed)		

# 2015 Drinking Water Infrastructure Needs Survey And Assessment

*KY0800273*

Approval Expires: 06/30/2018 Federal PWSID No.: KY0800273

OMB Control No.: 2040-0274

U.S. Environmental Protection Agency Washington, DC 20460

Please verify or correct the following information:

		Check if Correct as Printed	Corrected Information (Fill in only if preprinted information is missing or incorrect)	ntormation nation is missing or incorrect)
Name of System (Community):	MARTIN CO WATER DISTRICT #1	7		
Name of Contact:	MILLS, JOHN			
Street Address:	287 E MAIN ST SUITE 140	5		
City, State, and Zip:	INEZ, KY, 41224			
Population Served (if wholesaler, include consecutive population as appropriate):	10,843	5		
Number of Connections (not including consecutive systems):	3,500	5		
Total System Design Capacity (in MGD):				2.40
Total Length of Pipe in System (in Feet):				1,264,980
Source Water Type (Ground, Surface/GWUDI, etc.):	Surface/GWUDI	Check All That Apply:	y: Ground  Purchased Ground	Surface/GWUDI  Purchased Surface/GWUDI
Ownership Type:	Public	Check All That Apply:	y: <a>J</a> Public Pederal Government	☐ Investor-Owned or Private Non-Profit
Public reporting burden for this collection of	Public reporting burden for this collection of information is estimated to average 5.53 hours per response. This estimate includes time for reviewing the instructions, searching existing data sources, gathering	r response. This estimate	includes time for reviewing the instructions,	searching existing data sources, gathering

otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The and maintaining the data needed, and completing and reviewing the information collected. Burden means the total time, effort, or financial resources expended by person(s) to generate, maintain, retain, or automated collection techniques to the Director, OPPI, Regulatory Information Division, U.S. Environmental Protection Agency (1804A), Ariel Rios Building, 1200 Pennsylvania Ave., NW, Washington, DC disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information; adjust the existing ways to comply with any previously applicable instructions; search data sources; complete and review the collection of information; and transmit or Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of OMB control numbers for EPA's regulations are listed in 40 CFR Part 9 and 48 CFR Chapter 15.

Telephone Number: 20460; and Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th Street, N.W., Washington, DC 20503. State Reviewer: State Use Only

Information provided for this survey can be requested by the public. It is our experience that this information is rarely requested

<b>で</b> 1		Т	
KY080027	Documen- tation	6, 10	1
Federal PWSID No.: KY0800273	Cost Date (mm/yyyy)		06/2015
Federal P\	Cost		\$4,200,000
	Number Needed	2	
	Length (feet)		20,000
ole	Diameter (inches)		24
Project Table	Design Capacity (MG, MGD, or KW)	0.5	
Pro	Regula- tion	4A	4A
	C or E (Current Euture)	O	O
	N.E.R.H (New Expand Replace Re Hab)	œ	œ
	Reason for Need	A1	A1
	Type of Need	R1	×
	Project Name	Replace wells 5 and 8 at	Replace Deteriorated
	Project Number	Ex. 1	Ex. 2

## Draft April 2015

# Source, Treatment, Storage, and Pumping Inventory

To ensure all potential source, treatment, and storage projects are considered, it may be helpful to complete some or all of this inventory table.

- However, completion of this table is not required.

  Source Projects are all projects related to collecting and pumping raw water. This includes wells, surface water intakes, springs, off-stream raw water storage, and pumps.
  - Treatment Projects are all projects related to disinfection, filtration, or other treatment processes for ground or surface water sources, or for treatment applied in the distribution system.
    - Storage and Pumping Projects are related to finished or treated water storage, and booster pump stations.

THE REAL PROPERTY.		Source Water	Charles of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the
Inventory	Needing Replacement	Needing Rehabilitation	New Infrastructure Needs
Total Number and Capacity of Existing Wells or Springs: 0	Wells (pumps included) or Springs:	Wells (pumps included) or Springs:	Does your system have additional source water capacity needs to meet the needs of current users?  \[ \sqrt{Yes} \sqrt{\sqrt{No}} \]
Total Number and Capacity of Existing Surface Water Sources: 2	Existing Surface Water Intakes (excluding pumps):	Existing Surface Water Intakes (excluding pumps):	If yes, how many additional sources are necessary?
Total Number and Capacity of Existing Pumps (excluding booster pump stations):	Existing Groundwater Pumps (if wells not listed): listed):	Existing Groundwater Pumps (if wells not listed):	
	Existing Raw Surface Water Pumps:	Existing Raw Surface Water Pumps:	
100 100 100 100 100 100 100 100 100 100	いるとなるのはないに むないとなる	Treatment	
Inventory	Needing Replacement	Needing Expansion/Upgrading or Rehabilitation	New Infrastructure Needs
For the sources identified above, enter the	For the sources identified above, enter the number of locations where the following treatment is applied:		Does your system have additional treatment needs for
Disinfection (including booster disinfection): 1	Disinfection:		provisions of additional public nearth protection of for aestiretic concerns?
Filtration: 1	Filtration:	Filtration:	□ Yes □ No
Chemical removal or addition: 1	Chemical treatment:	Chemical treatment:	If yes, how much additional treatment is necessary?
· · · · · · · · · · · · · · · · · · ·	Sto	Storage and Pump Stations	
Inventory	Needing Replacement	Needing Rehabilitation	New Infrastructure Needs
Total Number and Capacity of Existing Storage Tanks: 13	Number of Existing Elevated or Ground- Level Storage Tanks:	Number of Existing Elevated or Ground- Level Storage Tanks:	Does your system have additional storage capacity and/or booster pumping needs to meet the needs of current users?  ☐ Yes ☐ No
Total Number and Capacity of Existing Booster Pump Stations: 15	Number of Existing Booster Pump Stations:	Number of Existing Booster Pump Stations:	If yes, how much additional finished water storage or booster pumping capacity is necessary?

## Draft April 2015

# Transmission and Distribution Inventory

Transmission and distribution projects are the piping needs of a water system. Projects for valves, backflow prevention devices and assemblies, and meters that are not part of a transmission or distribution project listed in this table should be recorded in the table under the tab titled "Inventory Table 3".

On the table below, please provide an estimate of the total feet or miles of pipe in your system, if possible. Completion of this table is not required, but it may be helpful to ensure all potential transmission and distribution pipe projects are considered.

Total Pipe in System (Check feet or miles)	>=48 inch	feet	%	l feet	%	feet	%	feet   miles	%	feet	%
feet miles (Ch		☐ feet☐ miles _	%	feet miles	%	feet miles	%	feet miles	%	feet miles	%
D□ 086	15-42 inch	26062	3%								
1,264,980		feet miles	I.	feet		feet		feet miles	.4	feet miles	
cts are 1).	8-12 inch	939511	%26		%		%	53293	100%	246114	100%
ipe projec s 10 or 11		feet miles	ı	feet		feet	,	feet miles	,	feet miles	Ì
ation if any p entation code	<=6 inch		%		%		%		%		%
Note: The total feet or miles of pipe in your system is required information if any pipe projects are submitted based solely on survey-generated documentation (documentation codes 10 or 11).		Amount of PVC by pipe size	% of this category/size pipe currently in poor condition or beyond useful life	Amount of ductile iron by pipe size	% of this category/size pipe currently in poor condition or beyond useful life	Amount of cast iron by pipe size	% of this category/size pipe currently in poor condition or beyond useful life	Amount of asbestos cement by pipe size	% of this category/size pipe currently in poor condition or beyond useful life	Amount of other by pipe size	% of other currently in poor condition or beyond useful life
Note: The total feet or miles of pipe in your system is i submitted based solely on survey-generated documer	Total Pipe in System (Check feet or miles)	965573	76% % of total pipe	feet	% of total pipe	☐ feet ☐ miles	% of total pipe	53293	4% % of total	246114 C feet	19% % of total pipe
Note: The submitted	(원 (원		Plastic	وأنهر	Iron		Cast Iron	Achaeta	Cement	4	

# Meters, Service Lines, Backflow Prevention Devices/Assemblies, Valves, etc.

Projects for meters, service lines, backflow prevention devices and assemblies, valves, and other miscellaneous projects are recorded in this section to accommodate entries of multiple identical items on one line in the project table. Record only projects that are not a part of another project (e.g., water main replacement projects will already include valves and other appurtenances). EPA requires documentation of all projects provided. Applicable types of documentation are presented in List 4 of the Lists of Codes. Use only existing documentation of cost. We do not expect you to develop new cost estimates. To ensure all potential projects are considered, it may be helpful to complete some or all of this inventory table. However, completion of this table is not required.

To custom become bigless as a second		
Inventory	Needing Replacement	New Infrastructure Needs
Total Number of Existing Water Meters:	Number of Water Meters:	Number of Water Meters:
3500		
Total Number of Existing Backflow Prevention Devices/Assemblies:	Number of Backflow Prevention Devices/Assemblies:	Number of Backflow Prevention Devices/Assemblies:
Total Number of Valves:	Number of Valves:	Number of Valves:
Total Number of Lead Service Lines:		

## Draft April 2015

## Respondent Information

Please provide the following information in case we need to contact you for clarification or additional explanation of any of your responses.

Signature:		Telephone Number:	606-298-3885
Name (please print):	John Mills	Fax Number:	606-298-4913
Title:	General Manager	E-mail Address:	imills@bellsouth.ne
Mailing Address:	387 E Main St, Ste 140	Best Time to Reach You:	
(Street Address)	Inez, KY 41224		

CLOSING: Thank you for your help. Did you remember to?	☐ Identify. by project number, available documentation for all needs and costs reported?

Email the questionnaire and email or mail the documentation to your state?

	Summ	Summary of Survey-General	Generated and Independent Documentation for Each Project	Federal PWSID No.:	KY0800273
ject	Project Name	Documen- tation Code(s)	State/System Survey-Generated Statement	Independent Document Name	Independent Documentation Page Number(s)

Steven L. Beshear Governor

Leonard K. Peters Secretary Energy and Environment Cabinet



Commonwealth of Kentucky

Public Service Commission
211 Sower Blvd.
P.O. Box 615

Frankfort, Kentucky 40602-0615

Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

David L. Armstrong Chairman

James W. Gardner Vice Chairman

June 7, 2012

Mr. John Mills, Manager Martin County Water District 387 East Main Street, Suite 140 Inez, KY 41224

Mr. Gregory Cornette, Chairperson Martin County Water District 387 East Main Street, Suite 140 Inez, KY 41224

### PERIODIC REGULATORY COMPLIANCE WATER UTILITY INSPECTION

On April 11, 2012, Commission Staff Member Jimmy Adcock inspected the facilities and records of Martin County Water District. A copy of the report of this inspection is enclosed.

Based on Mr. Adcock's findings, I am noting five deficiencies as follows:

- 1. Unaccounted-for water loss in excess of 15 percent of total water produced and purchased contrary to good engineering practice requirement in 807 KAR 5:066, Section 7. This is a repeat deficiency.
- 2. The District has not updated its tariff to include an assessed penalty for the failure of fire departments to report quarterly its water usage quarterly. This is a repeat deficiency.
- 3. Insufficient meter testing contrary to 807 KAR 5:066, Section 16(1). This is repeat deficiency.
- 4. The District is not providing regular safety training to its employees as required in 807 KAR 5:006, Section 24(2).

5. The District does not provide instruction for its employees in accepted methods of artificial respiration as required in 807 KAR 5:006, Section 24(3).

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John Mills Gregory Cornette June 7, 2012 Page 2

The previous inspection was conducted on November 22, 2010. Three deficiencies were noted and the District's response was accepted on going forward basis with progress to be expected during the next inspection visit. As of this inspection visit, it appears those three deficiencies have not been completely addressed and are considered as repeat deficiencies as shown above.

Enclosed are five deficiency tracking reports. Please review and complete the three sections under the heading "Response" no later than July 31, 2012.

According to the District's annual report for 2010, unaccounted-for water loss equaled approximately 67.0 percent of the District's total water produced and purchased. Simply put, the District spent approximately \$224,500 to produce and purchase water that never reached the end-user and produced no revenue.

In any future rate case proceeding, Commission regulations will prohibit the District from recovery, through rates, of a significant portion of the expenses associated with unaccounted-for water. 807 KAR 5:066, Section 6(3) provides:

Except for purchased water rate adjustments for water districts and water associations, and rate adjustments pursuant to KRS 278.023(4), for rate making purposes a utility's unaccounted-for water loss shall not exceed fifteen (15) percent of total water produced and purchased, excluding water used by a utility in its own operations.

This regulation requires the Commission to disallow, for ratemaking purposes, any expenses associated with unaccounted-for water loss levels exceeding 15 percent of total water produced and purchased. For example, if the District applied for an adjustment of rates based upon its 2010 operations, 52 percent of its total costs of water produced and purchased, or \$174,239, would be excluded for ratemaking purposes and could not be recovered through its rates for water service.

Given the financial consequences of a high rate of unaccounted-for water, the District should undertake a more aggressive water loss prevention/leak detection program. The District should evaluate and possibly revise its current water loss plan and its corresponding practices if necessary. The District should submit a copy of its revised water loss prevention plan along with monthly written progress reports to the Commission of actions taken to reduce unaccounted-for water loss, (e.g., main replacements, master meter installation, meter testing, installation of telemetry equipment). It should also submit monthly water loss reports to the Commission. The form for these reports is found at the Commission's website at <a href="http://psc.ky.gov/agencies/psc/forms/wateruse.xls">http://psc.ky.gov/agencies/psc/forms/wateruse.xls</a> and can be submitted to the Commission by email to pscwaternotice@ky.gov.

Further, Commission Staff recommends that the District evaluate and possibly revise its current meter testing program if necessary to achieve and maintain compliance with 807 KAR 5:066, Section 16(1). The District should submit a copy of this plan along with quarterly meter reports to update the PSC of its efforts in meter testing. The form for these reports is found at the Commission's website at <a href="http://psc.ky.gov/agencies/psc/forms/WaterQuarterlyMeterReport07.xls">http://psc.ky.gov/agencies/psc/forms/WaterQuarterlyMeterReport07.xls</a> and can be submitted to the Commission by email to pscwaternotice@ky.gov.

John Mills Gregory Cornette June 7, 2012 Page 3

If you have any questions or wish further assistance, please contact me at (502) 564-3940, extension 409.

GFORGE W. WAKIM, P.E., MANAGER

ew, wake

WATER & SEWER BRANCH, ENGINEERING DIVISION

Attachment: MartinCWD-041112 Inspection Report

C: Ms. Julie Roney, DOW, EEC

### **COMMONWEALTH OF KENTUCKY** PUBLIC SERVICE COMMISSION **UTILITY INSPECTION REPORT**

Report Date: 4/16/2012 Report Number: MartinCWD-041112

### BRIEF

Inspector:

Jim R. Adcock

**Inspection Date:** 

April 11, 2012

Type of Inspection:

Periodic Regulatory Compliance Inspection

Type of Facility:

Distribution System with a Treatment Plant

Name of Utility:

Martin County Water District

Location of Facility:

387 East Main Street, Suite 140, Inez, KY 41224

Attention: John Mills, Superintendent

Purpose of Inspection:

Periodic inspection of utility facilities operation and maintenance practices to

verify compliance with PSC regulations.

Applicable Regulations: KRS Chapter 278 and 807 KAR Chapter 5

### INSPECTION

Description of Utility:

Water Treatment Plant and Distribution System

Number of Customers:

4,555

Area of Operation:

Martin County

Supply Source:

Reservoir for Tugg River

Distribution Description: Average daily consumption of 1,962,252 gallons; 250 miles of distribution line

(DI, PVC and AC); total storage capacity of 4,267,000 gallons.

**Workforce Summary:** 

15 employees

Utility Reps in Insp:

John Mills, Superintendent; and Joe Hammond, Consultant

Date of Last Inspection: November 22, 2010

**DTR from Last Insp:** 

3

**DTRs not Cleared:** 

Summary of items and facilities Inspected:

Records including, but not limited to, pressure charts; meter testing, reading and history; flushing; service interruptions; complaints; facilities inspections and procedures; operation and maintenance manual; facilities maintenance; safety guidelines; a copy of a water shortage response plan; and the service area map, etc.; water treatment plant; meter test bench and shop; clarifier (1,000,000 gal.); filter treatment influent valve; and plant pumps. During this periodic regulatory compliance inspection, it was not possible to review every record relating to all Commission requirements. Therefore, in some instances the results contained in this report are indicative of those items inspected and reviewed on a sample basis.

### COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

### UTILITY INSPECTION REPORT

Report Date: 4/16/2012 Report Number: MartinCWD-041112

### **FINDINGS**

- 1. The utility's unaccounted-for water loss exceeds fifteen (15) percent of total water produced and purchased. Based on the 2010 annual report, the unaccounted-for water loss of 67.0 percent could be costing the utility approximately \$224,500.00 annually.
- 2. Martin County Water District has not updated its tariff to include an assessed penalty for the failure of fire departments to report quarterly its water usage as required by 807 KAR 5:095, Sec. 9(2) and KRS 278.170(3).
- 3. Martin County Water District has customer's one inch and smaller meters that have been in service for 10 years without being tested as required in 807 KAR 5:066, Sec. 16(1).
- 4. Martin County Water District is not providing regular safety training to its employees as required in 807 KAR 5:006, Sec. 24(2).
- 5. The utility does not provide for instruction of its employees in accepted methods of artificial respiration in accordance with 807 KAR 5:006, Sec. 24(3).

### RECOMMENDATIONS

Martin County Water District should submit monthly progress reports to update the Public Service Commission (PSC) of actions taken (such as line replacement, master meter installation, meter testing, telemetry, etc.) to reduce the unaccounted-for water loss coupled with completing and submitting monthly water loss calculation spreadsheets. The water loss calculation spreadsheet is located on the PSC website at <a href="http://psc.ky.gov//agencies/psc/forms/wateruse.xls">http://psc.ky.gov//agencies/psc/forms/wateruse.xls</a> and can be e-mailed to <a href="mailed-psc-ky.gov/agencies/psc/forms/wateruse.xls">psc.ky.gov/agencies/psc/forms/wateruse.xls</a> and can be e-mailed to <a href="mailed-psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agencies/psc-ky.gov/agenci

Martin County Water District should update its tariff to include an assessed penalty for the failure of fire departments to report quarterly its water usage as required by 807 KAR 5:095, Sec. 9(2) and KRS 278.170(3). It is recommended that the utility contact Brent Kirtley, Tariff Branch Manager, regarding the latest model tariff available and the procedure for filing.

Martin County Water District should prepare and submit a proactive meter testing/replacement plan. This plan should identify meters within the system, including their ages and steps with timetables, to test or replace those meters in an effort to maintain compliance with 807 KAR 5:066, Section 16(1) and to prevent this deficiency from recurring. In addition, the district should submit quarterly progress reports to update the PSC of their ongoing efforts in meter testing/replacement. This quarterly report can be located on the PSC website, <a href="http://psc.ky.gov/">http://psc.ky.gov/</a> under the Forms bullet.

The district should provide regular safety training to its employees per 807 KAR 5:006, Sec. 24(2).

Employees at Martin County Water District should obtain their CPR training and file a copy of their certification with the PSC after completion.

### COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

### UTILITY INSPECTION REPORT

Report Date: 4/16/2012 Report Number: MartinCWD-041112

### ADDITIONAL INSPECTOR COMMENTS

Water loss for 2009 was 56.36 percent; water loss for 2010 was 67.0 percent; water loss for 2011, according to Joe Hammond, Utility Consultant, was 62.0 percent. Martin County Water District has a written water loss prevention/leak detection program (see attachment#1).

Martin County Water District hired John Mills as Superintendent on February 1, 2011 after Joe Hammond retired.

The utility has been under a management audit ordered by PSC for several years.

Martin County Water District is hoping to start construction sometime this year on a project to purchase water from Paintsville Water. This will be a 1,000 gallon cistern for customers on Trace Fork Road and Spicy Ridge Road to haul water from this water hauling token station. Kentucky Engineering Group is working with the utility on this project that will be financed through Abandoned Mine Lands grant money.

A periodic regulatory compliance inspection will be conducted within a year.

Submitted by:

im R. Adcock

Utility Regulatory and Safety Investigator III

**Due Date:** 

DTR Number: 1

**Deficiency Detail** 

Utility	Date of Investigation	Investigator
Martin County Water District	April 11, 2012	Jim R. Adcock
Regulation 807 KAR 5:066 Sec. 7 The utility's facilities s service to its customers	hall be operated so as to provid	de adequate and safe
Deficiency: The utility's unaccounted-for water loss e purchased. Based on the 2010 annual reprosecting the utility approximately \$224,500.00	ort, the unaccounted-for water los	ss of 67.0 percent could be
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**Due Date:** 

DTR Number: 2

Deficiency Detail		
Utility	Date of Investigation	Investigator
Martin County Water District	April 11, 2012	Jim R. Adçock
Bassletian		
Regulation 807 KAR 5:095, Sec. 9(2) State in its tariff the	e penalty to be assessed for failure	to submit the reports
required by subsection (1) of this section.	o perially to be accessed for remain	o commente la la la la la la la la la la la la la
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Deficiency:  Martin County Water District has not updated	t its tariff to include an assessed r	enalty for the failure of fire
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278.170(3).		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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DTR Number: 3

**Due Date:** 

Deficiency Detail		4,
Utility	Date of Investigation	Investigator
Martin County Water District	April 11, 2012	Jim R. Adcock
Regulation  807 KAR 5:066 Sec. 16(1) Each utility shall to service without test for a period longer than s		that no meter will be in
Deficiency: Martin County Water District has customer's years without being tested as required in 807		nave been in service for 10
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Due Date:

DTR Number: 4

Deficiency Detail			
Utility	Date of Investigation	Investigator	
Martin County Water District	April 11, 2012	Jim R. Adcock	
Regulation 807 KAR 5:006, Sec. 24(2) Instruct employee	es in safe methods of performing th	eir work.	
Deficiency: Martin County Water District is not providi	ng regular safety training to its e	employees as required in	
807 KAR 5:006, Sec. 24(2).			
	If Repeat Deficiency, Date of Last DTR:		
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**Due Date:** 

DTR Number: 5

Deficiency Detail		
Utility Date of Invest	tigation Investigator	
Martin County Water District April 11, 20		
Regulation		
807 KAR 5:006, Sec. 24(3) Instruct employeesin accepted met	thods of artificial respiration.	
D.F.I.		
Deficiency:  The utility does not provide for instruction of its employees in account of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the complex of the com	cepted methods of artificial resolration in	
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### **Marcie Dials**

From: Goodmann, Peter (EEC)

Sent: Wednesday, August 10, 2016 3:23 PM

To: Taylor, David M (EEC)

Subject: FW: Martin Co. Water

From: Goodmann, Peter (EEC)

Sent: Tuesday, April 05, 2016 6:16 PM

**To:** Goodmann, Peter (EEC) **Subject:** FW: Martin Co. Water

Peter T. Goodmann, Director Division of Water 200 Fair Oaks Lane Frankfort, Kentucky 40601 (502) 564-3410

From: Slone, Victor [mailto:victor.slone@martin.kyschools.us]

Sent: Thursday, March 31, 2016 2:21 PM

**To:** Goodmann, Peter (EEC) **Subject:** Martin Co. Water

Mr. Goodmann,

I recently attended a meeting in the office of Senator Ray Jones concerning Martin Co. Water District. Martin Co. Water has several deficiencies that were discussed and prioritized so that compliance can eventually be achieved.

During the meeting yourself and Gary Larimore, from Ky Rural Water, brought into perspective that Martin Co. Water's deficiencies are not uncommon and are shared by other water districts throughout the state. Would you please explain and/or expand on this statement. I would like to provide this information to members of Martin Co. Fiscal Court, that were unable to attend.

Thank You Victor Slone Martin Co. Magistrate

From:

Earl Alley [etalley47@gmail.com]

Sent:

Monday, August 08, 2016 11:43 AM

To:

Husband, Kellee M (EEC)

Subject:

LT2 Rule Monitoring Plan

Attachments: Martin County Water District #1 LT2Monitoring Plan new 2016.docx

Kellee,

Here is the LT2 Plan including the map of Martin County Water's Plant. I hope it is ok.

Tom Alley Martin County Water

From:

Husband, Kellee M (EEC)

Sent:

Friday, August 05, 2016 11:12 AM

To:

Earl Alley

Subject:

Martin County Water District #1 LT2Monitoring Plan new 2016 (2)

Attachments: Martin County Water District #1 LT2Monitoring Plan new 2016 (2).docx

I made a correction to your facility ID also the map is missing from the monitoring plan. Make sure you revise and submit.

Everything else is good to go just need the map once we receive the map KYDOW can approve Martin Co WD 1 source water monitoring plan.

Thanks

From:

Earl Alley [etalley47@gmail.com]

Sent:

Friday, August 05, 2016 10:28 AM

To:

Husband, Kellee M (EEC)

Subject:

Martin County Water LT2 Rule Monitoring Plan

Attachments: Martin County Water District #1 LT2Monitoring Plan new 2016.docx

Kellie,

I will send out the hard copy.

Thanks, Earl T Alley Martin County Water

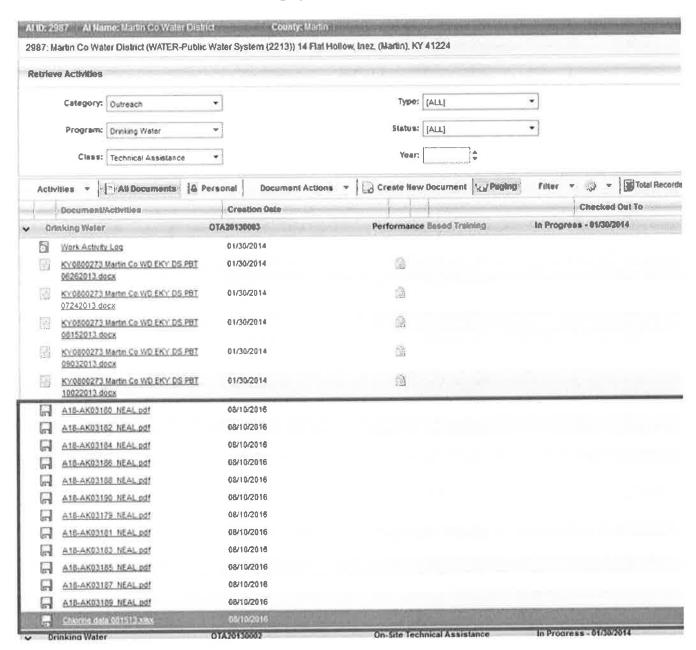
From: Neal, Russell (EEC)

Sent: Wednesday, August 10, 2016 5:17 PM

To: Taylor, David M (EEC)
Cc: Gaddis, Sarah (EEC)

Subject: RE: Request concerning Martin Co Water District (Al# 2987)

I've uploaded sampling data from a special study performed at Martin County Water District on August 15, 2013. This data is from the site visit on this same date. I placed it on our shared drive but was forgot to upload it into TEMPO. The data is under the OTA20130003 gray bar. I've attached a screen shot:



**Russell Neal** 

Environmental Scientist Kentucky Division of Water 502-782-7026

From: Taylor, David M (EEC)

Sent: Wednesday, August 10, 2016 2:51 PM

To: EEC DEP DOW All

**Cc:** Bruner, Brandon (EEC); Thorne, Robert (EEC); Quarles, Jackie (EEC) **Subject:** Request concerning Martin Co Water District (AI# 2987)

The attached request is asking for any and all communications between Martin Co W.D. and the KDOW (regional offices included) for the period of July 1, 2013 through present day. If you have any emails, memos or contact records that are not already in TEMPO, please email them to me as soon as possible. I have already queried everything from TEMPO, so anything that you plan to enter, I need to know about.

Thank you for your time and attention to this matter.

# Mike Taylor

Public Records Management - Open Records Section
Division of Environmental Program Support
Department for Environmental Protection
300 Sower Blvd – 1st Floor
(502) 782-6461
DEP.KORA@ky.gov

From: Husband, Kellee M (EEC)

Sent: Wednesday, August 10, 2016 3:37 PM

To: Taylor, David M (EEC)
Cc: Gaddis, Sarah (EEC)

Subject: RE: Request concerning Martin Co Water District (Al# 2987)

Emails attached as well as an email below

Kelleé M. Husband Environmental Scientist III 300 Sower Blvd 3rd Floor Frankfort, KY 40601 (502)782-6984

From: Earl Alley [mailto:etalley47@gmail.com] Sent: Friday, August 05, 2016 10:13 AM

To: Husband, Kellee M (EEC)

Subject: Martin County Water LT2 Rule Monitoring Plan

Kellee,

On our LT2 Rule Monitoring Plan will our Facility ID still be A or will it be different. Also do you want me to email the monitoring plan to you plus a hard copy sent by mail?

Earl T Alley Martin County Water

From: Husband, Kellee M (EEC)

Sent: Monday, August 08, 2016 12:24 PM

To: Earl Alley

Subject: RE: LT2 Rule Monitoring Plan

KYDOW has reviewed and approved Martin Co Source Water Monitoring Form.

### Thanks

Kelleé M. Husband Environmental Scientist III 300 Sower Blvd 3rd Floor Frankfort, KY 40601 (502)782-6984

From: Earl Alley [mailto:etalley47@gmail.com] Sent: Monday, August 08, 2016 11:43 AM

**To:** Husband, Kellee M (EEC) **Subject:** LT2 Rule Monitoring Plan

Kellee,

Here is the LT2 Plan including the map of Martin County Water's Plant. I hope it is ok.

Tom Alley Martin County Water



LEONARD K. PETERS SECRETARY

### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION **DIVISION OF WATER** 200 FAIR OAKS LANE, 4TH FLOOR FRANKFORT, KENTUCKY 40601 www.kentucky.gov

### CERTIFICATE OF INSPECTION FOR DAM AND APPURTENANT WORKS

Note: The Division of Water does not intend this report to be taken as an assurance that no other problems exist at this site or that this dam is safe. The reports sole intent is to provide you a factual account of the conditions observed at the site during the inspection. If you have questions, write this office at the above listed address or call (502) 564-3410.

ID of Dam:

0106

Dams

Hazard Class: HIGH

Name of Dam:

MARTIN CO. WATER DIST. 1 DAM

Owner:

Martin County Water District

Agency Interest: 2987

Address:

387 East Main Street STE 140

County:

Martin Inspection Date: September 12, 2013

City:

Inez ΚY

Weather:

Sunny, 85 degrees F

State:

41224

Zip:

Inspection Type:

Persons Present at Inspection: Glen Alexander, Andrew Brooks

Height of Dam: Latitude Dec Deg:

66 feet 37.878887 Normal Pool Elevation (MSL): 721.0' Current Pool Elevation (MSL): ~700.0' Emer. Spillway Elevation (MSL): 722.0'

Type of Dam:

Longitude Dec Deg: -82.51889

ZONED EARTHFILL DAM ABOUT 410' LONG WITH A TOP WIDTH OF 20 FEET. RIPRAP FROM

ELEVATION 700 UP ON WET SIDE. NO BERMS. SIDE SLOPES ARE BOTH 3 1/2:1.

TOD = 731.5'; Max. Area = 27.5 ac.; Max. Vol. = 800 ac. ft.

Upstream Slope of Dam: The upstream slope has a tall grass and weed cover. Vehicle tracks were noted near the left end of the structure. The lower portion of the slope is bare below the normal pool line.

Crest of Dam: The crest has a tall grass cover. Some vehicle tracks were noted.

Downstream Slope of Dam: The downstream slope has a tall grass and weed cover.

Toe Drains: This structure does not have toe drains.



# CERTIFICATE OF INSPECTION FOR

### **KY ID: 0106**

Principal Spillway: 24 INCH PIPE LOCATED IN THE AREA OF THE EMERGENCY SPILLWAY, ELEVATION OF 720.0 MSI

Principal Spillway Comment: The principal spillway inlet and outlet are clear. A few tall weeds were noted around the inlet

Stilling Basin: This structure does not have a stilling basin.

Emergency Spillway: OGEE WEIR WITH CREST AT 721.0. SIDE SLOPES VARY DEPENDING ON MATERIAL, SEE PLAN VIEW. WEIR LENGTH IS 110 FEET. BOTTOM WIDTH OF OUTLET CHANNEL VARIES. OUTLET SLOPE IS ABOUT 3.0 PERCENT.

Emergency Spillway Comments: The emergency spillway weir and concrete are in good condition. Two large rocks have fallen on the outlet apron. Some brush was noted in the outlet channel.

Drawdown System: The drawdown is integral with the water plant intake system. Its operational status is unknown.

Location of Drawdown Valve: Unknown
Last Date of Operation: Unknown

Does Hazard Classification need to be Reevaluated? This structure is currently classified high hazard. It does not need to be reclassified.

Hydraulic Capacity: This structure is hydraulically compliant. FBH = 28.2 inches

Were Photographs Taken? Yes

### General Comments and Recommendations:

Overall, the structure is in fair condition. The entire structure must be mowed. The area around the principal spillway inlet must be cleared. The rocks in the emergency spillway outlet must be removed. The vehicle tracks on the upstream slope and crest must be reseeded. Vehicles must be kept off the dam. The emergency spillway outlet channel must be cleared of brush.

Inspector: Glen Alexander, EIT

Reviewer: Marilyn Thomas, PE, CFM Date: 9/17/2013



LEONARD K. PETERS SECRETARY

#### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

September 17, 2013

John Mills, Superintendent Martin County Water District 387 East Main Street STE 140 Inez KY 41224

RE:

Scheduled Inspection ID of Dam: 0106

MARTIN CNTY WATER DIST NO 1 DAM

Martin County, KY Hazard Class: HIGH Agency Interest: 2987

Dear Mr. Mills:

The Division of Water is responsible for performing safety inspections of dams in Kentucky. Kentucky Revised Statutes Chapter 151 (KRS 151) and associated regulations establish minimum maintenance and design criteria for dams. KRS 151.125 gives the Division of Water authority to require any measures necessary to bring the dam into compliance with statutes and regulations.

As the owner you are required to maintain the dam to assure public safety. On September 12, 2013, personnel from the Energy and Environment Cabinet, Division of Water, inspected the above referenced structure. A copy of the inspection report is enclosed. Based on our visual inspection of the dam, the following deficiencies need to be corrected:

- Mow the entire structure.
- Remove the rocks from the emergency spillway.
- Clear the weeds and brush from the area around the principal spillway outlet and the emergency spillway channel.
- Reseed the vehicle tracks on the upstream slope and crest. Keep vehicles off of the structure.

If you have any questions concerning this matter, please contact Glen Alexander, E.I.T. at (502) 564-3410.

Sincerely,

Marilyn Thomas, P.E., C.F.M.

Moul STD

Dam Safety and Floodplain Compliance Section

Division of Water

ga Enclosure



# Energy and Environment Cabinet Department for Environmental Protection

### Division of Water

Wastewater Inspection Report

**AI ID:** 2987

**AI Type:** WATER-Public Water System (2213)

AI Name:

Martin Co Water District

AI Address: 14 Flat Hollow

City: Inez, State: Kentucky Zip: 41224

County: Martin Regional Office: Hazard Regional Office

**Latitude:** 37.878887 **Longitude:** -82.51889

Site Contact: Mike Sartin

**Title:** Operator

**Phone #:** 606-298-3885

Inspection Type: WW CEI-DW Plt KYG64 Activity #: CIN20130003

Inspection Start Date: September 23, 2013 Time: 09:45 AM End Date: September 23, 2013 Time: 10:30

AM

Site/Permit ID: KYG640104

Lead DEP Investigator: Robert Back

General Comments: On July 27, 2012 I conducted an Inspection on the backwash discharge from this facility. The water in the backwash lagoon was clear and not discharging at the time of the inspection. A 12 month DMR summary was conducted and revealed one TSS violation for the month of February 2013.

Overall Compliance Status: Out of Comp- Viol documented

### **Investigation Results**

SI: AIOO2987 SI Description:

**Inspector Comment:** 

Requirement: Does the facility hold the proper KPDES permit for the filter backwash discharge(s) from their public or privately owned drinking water treatment plant? [401 KAR 5:055 Section 2]. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: Yes KYG640104

Requirement: Does the permittee retain records of all monitoring information including: the date, exact place, and time of sampling or measurements; the name of the individual who performed the sampling or measurements; the dates and times analyses were performed; the name of the individual who performed the analyses; the analytical techniques or methods used; the results of the analyses; all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation; copies of all reports required by this permit; and records of all data used to complete the application for this permit, for the period required by the cabinet and at a minimum of at least three (3) years from the date of the sample, measurement, report, or application? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

Requirement: Has the permittee adequately developed a Best Management Practices Plan? [40 C.F.R. 122.41(a)].

[401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Is the BMP plan required by 401 KAR 5:065 Section 2(4) and Part IV Section A (5) of the facility's permit consistent with the general guidance contained in the publication entitled "NPDES Best Management Practices Guidance Document," to include the following baseline BMPs as a minimum:

- a. BMP Committee b. Reporting of BMP Incidents
- c. Risk Identification and Assessment d. Employee Training
- e. Inspections and Records f. Preventative Maintenance

g. Good Housekeeping h. Materials Compatibility

i. Security j. Materials Inventory

If a BMP plan has not been developed, has the permittee demonstrated that the BMP requirements have been met by an existing plan? If all stormwater can not be diverted to a pit or sediment control structure, does the BMP plan address this runoff? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Has the permittee adequately implemented the BMP plan? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the facility required to prepare and implement a groundwater protection plan (GPP) as specified in regulation 401 KAR 5:037? If yes, does the facility have a GPP? [401 KAR 5:037 Section 3]. [401 KAR 5:037

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the effluent in compliance with KPDES permit limitations? Do the Discharge Monitoring Reports indicate KPDES permit violations? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: D-Out of Compliance-Violations Documented

**Comment:** The facility has failed to comply with the effluent limitations contained in the permit. During the 12 month DMR review the facility exceeded TSS limits once in the month of February 2013.

**Requirement:** Are samples taken in compliance with the monitoring requirements and taken at the following location(s): nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Is discharge being monitored, at the specified outfall(s)/monitoring point(s), for parameters specified in the facility's permit within the required timeframe? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Did the facility notify the Division of Water by the most rapid means available whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth? [401 KAR 5:015 Section 2]. [401 KAR 5:015 Section 2]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Is the facility being properly operated and maintained as specified in 401 KAR 5:065? This includes: (a) proper operation and maintenance of all facilities, systems of treatment and control, and related appurtenances which are installed or used by the permittee to achieve compliance with permit conditions; (b) proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures; (c) this provision also requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit; (d) is the cleaning frequency of lagoons adequate to ensure compliance with the facility permit? [401 KAR 5:065 Section 2(1)].

Compliance Status: C-No Violations observed
Comment:
Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]. [KRS 224.70-110]
Compliance Status: C-No Violations observed
Comment:
Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401
KAR 10:031 Section 2(1)]
Compliance Status: C-No Violations observed
Comment:
Requirement: Is the permittee in compliance with all permit conditions? [401 KAR 5:065 Section 2(1)]. [401 KAR
5:065 Section 2(1)]
Compliance Status: D-Out of Compliance-Violations Documented
Comment: The facility has failed to comply with the terms of the permit. During the 12 month DMR review the
facility exceeded TSS limits once in the month of February 2013.
Documentation         ☐ Photos taken       ☐ Record of visual determination of opacity         ☐ Documents obtained from facility       ☐ Samples taken by DEP         ☐ Samples taken by outside source       ☐ Regional office instrument readings taken         ☐ Request for Submission of Documents       ☐ Other documentation
Inspector: Robert Back
E-Signed by Robert Back VERIFY authenticity with Approvelt

Date:

09/26/13 Delivery Method: US Mail



LEONARD K. PETERS SECRETARY

### ENERGY AND ENVIRONMENT CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water 233 Birch St Hazard, KY 417012115 www.kentucky.gov

September 26, 2013

Martin Co Water District 14 Flat Hollow Inez, Kentucky 41224

RE:

Martin Co Water District -- 2987

Permit No.: KYG640104 Martin County, Kentucky Activity ID: CIN20130003

Dear Martin Co Water Dist:

Attached for your information and records is a copy of the WW CEI-DW Plt KYG64 performed at Martin Co Water District on September 23, 2013.

If you have any questions or comments concerning this inspection, please contact the Hazard Regional Office at: (606) 435-6022.

Sincerely,

E-Signed by Robert Back VERIFY authenticity with Approve It

Robert Back Environmental Inspector Hazard Regional Office Division of Water

RB

Enclosure:



# **Energy and Environment Cabinet** Department for Environmental Protection

### Division of Water

Wastewater Inspection Report

AI Type: WATER-Public Water System (2213) AI ID: 2987

Martin Co Water District AI Name:

AI Address: 14 Flat Hollow

City: Inez, State: Kentucky Zip: 41224

County: Martin Regional Office: Hazard Regional Office

Latitude: 37.878887 Longitude: -82.51889

Site Contact: Tom Alley

Title: Operator Phone #: 606-298-3885

Inspection Type: WW CEI-DW Plt KYG64 Activity #: CIN20140002

Inspection Start Date: September 15, 2014 Time: 09:00 AM End Date: September 15, 2014 Time: 09:30

Site/Permit ID: KYG640104

Lead DEP Investigator: Robert Back Persons Interviewed: Tom Alley

General Comments: On September 15, 2014 I conducted an Inspection on the backwash discharge from this facility. The water in the backwash lagoon was clear and not discharging at the time of the inspection. A 12 month DMR summary was conducted and no violations were found.

Overall Compliance Status: No Violations Observed

### **Investigation Results**

SI: AIOO2987 SI Description: **Inspector Comment:** 

Requirement: Does the facility hold the proper KPDES permit for the filter backwash discharge(s) from their public or privately owned drinking water treatment plant? [401 KAR 5:055 Section 2]. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: Yes KYG640104

Requirement: Does the permittee retain records of all monitoring information including: the date, exact place, and time of sampling or measurements; the name of the individual who performed the sampling or measurements; the dates and times analyses were performed; the name of the individual who performed the analyses; the analytical techniques or methods used; the results of the analyses; all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation; copies of all reports required by this permit; and records of all data used to complete the application for this permit, for the period required by the cabinet and at a minimum of at least three (3) years from the date of the sample, measurement, report, or application? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

Requirement: Has the permittee adequately developed a Best Management Practices Plan? [40 C.F.R. 122.41(a)]. [40] KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Requirement: Is the BMP plan required by 401 KAR 5:065 Section 2(4) and Part IV Section A (5) of the facility's permit consistent with the general guidance contained in the publication entitled "NPDES Best Management Practices Guidance Document," to include the following baseline BMPs as a minimum:

a. BMP Committee b. Reporting of BMP Incidents

- c. Risk Identification and Assessment d. Employee Training
- e. Inspections and Records f. Preventative Maintenance
- g. Good Housekeeping h. Materials Compatibility

i. Security j. Materials Inventory

If a BMP plan has not been developed, has the permittee demonstrated that the BMP requirements have been met by an existing plan? If all stormwater can not be diverted to a pit or sediment control structure, does the BMP plan address this runoff? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Has the permittee adequately implemented the BMP plan? [401 KAR 5:065 Section 2(1)]. [401 KAR

5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the facility required to prepare and implement a groundwater protection plan (GPP) as specified in regulation 401 KAR 5:037? If yes, does the facility have a GPP? [401 KAR 5:037 Section 3]. [401 KAR 5:037

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the effluent in compliance with KPDES permit limitations? Do the Discharge Monitoring Reports indicate KPDES permit violations? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Are samples taken in compliance with the monitoring requirements and taken at the following location(s): nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Is discharge being monitored, at the specified outfall(s)/monitoring point(s), for parameters specified in the facility's permit within the required timeframe? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

Requirement: Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401

KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Did the facility notify the Division of Water by the most rapid means available whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth? [401 KAR 5:015 Section 2]. [401 KAR 5:015 Section 2]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

**Comment:** 

Requirement: Is the facility being properly operated and maintained as specified in 401 KAR 5:065? This includes:
(a) proper operation and maintenance of all facilities, systems of treatment and control, and related appurtenances which are installed or used by the permittee to achieve compliance with permit conditions;(b) proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures;
(c) this provision also requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit;(d) is the cleaning frequency of lagoons adequate to ensure compliance with the facility permit? [401 KAR 5:065 Section 2(1)].

401 KAR 5:065 Section 2(1)]
Compliance Status: C-No Violations observed
Comment:
Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110], [KRS 224.70-110]
Compliance Status: C-No Violations observed
Comment:
Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401
KAR 10:031 Section 2(1)]
Compliance Status: C-No Violations observed
Comment:
Requirement: Is the permittee in compliance with all permit conditions? [401 KAR 5:065 Section 2(1)]. [401 KAR
5:065 Section 2(1)]
Compliance Status: C-No Violations observed
Comment:
Documentation  Photos taken  Documents obtained from facility  Samples taken by outside source  Request for Submission of Documents  Inspector: Robert Back  Record of visual determination of opacity  Samples taken by DEP  Regional office instrument readings taken  Other documentation
Date: 09/24/14
Received By: Title: Date:
Delivery Method: US Mail
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LEONARD K. PETERS SECRETARY

# ENERGY AND ENVIRONMENT CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water 233 Birch St Hazard, KY 417012115 www.kentucky.gov

September 24, 2014

Martin Co Water District 14 Flat Hollow Inez, Kentucky 41224

RE:

Martin Co Water District -- 2987

Permit No.: KYG640104 Martin County, Kentucky Activity ID: CIN20140002

Dear Martin Co Water Dist:

Attached for your information and records is a copy of the WW CEI-DW Plt KYG64 performed at Martin Co Water District on September 15, 2014.

If you have any questions or comments concerning this inspection, please contact the Hazard Regional Office at: (606) 435-6022.

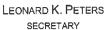
Sincerely,

Robert Back Environmental Inspector Hazard Regional Office Division of Water

RB

Enclosure:







### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER 200 FAIR OAKS LANE, 4TH FLOOR FRANKFORT, KENTUCKY 40601 www.kentucky.gov

### ROUTINE INSPECTION REPORT FOR DAM AND APPURTENANT WORKS

Note: The Division of Water does not intend this report to be taken as an assurance that no other problems exist at this site or that this dam is safe. The reports sole intent is to provide you a factual account of the conditions observed at the site during the inspection. If you have questions, write this office at the above listed address or call (502) 564-3410.

Inspection Date:

May 6, 2015

Persons Present at Inspection: Gary Wells, Ron Gruzesky, Batmyagmar Dashbold

Weather:

Sunny, 80 Deg

ID of Dam: Name of Dam: 0106

MARTIN CO WATER DIST NO 1 DAM

Contact: Owner: Address:

John Mills, Superintendent Martin County Water District

Agency Interest:

2987

City:

387 E. Main Street, STE 140 Inez

County: Latitude Dec Deg: Martin 37.878887

ΚY State: Zip: 41224

Longitude Dec Deg: -82.51889

606-298--3885 Phone:

Hazard	HIGH
Height of Dam (ft)	66 feet
Type of Dam	ZONED EARTHFILL DAM ABOUT 410' LONG WITH A TOP WIDTH OF 20 FEET. RIPRAP FROM ELEVATION 700 UP ON WET SIDE. NO BERMS. SIDE SLOPES ARE BOTH 3 1/2:1.
Top of Dam (ft MSL)	731.5
Max. Surface Area (ac)	27.5
Max. Volume (ac ft)	800
Required Overtop Storm (in)	28.2
Actual Overtop Storm (in)	28.2
Principal Spillway	24 INCH PIPE LOCATED IN THE AREA OF THE EMERGENCY SPILLWAY, ELEVATION OF 722.0 MSL
Normal Pool Elevation (ft MSL)	722
Current Pool Elevation (ft MSL)	712
Emergency Spillway	OGEE WEIR WITH CREST AT 722.0. SIDE SLOPES VARY DEPENDING ON MATERIAL, SEE PLAN VIEW. WEIR LENGTH IS 110 FEET. BOTTOM WIDTH OF OUTLET CHANNEL VARIES. OUTLET SLOPE IS ABOUT 3.0 PERCENT.
Emer. Spillway Elevation (ft MSL)	722
Location of Drawdown Valve	At end of platform on top of concrete tower are three valves; one was open
Last Date of Operation	5-6-15 - Water is gravity fed to the water treatment plant.



**Routine Inspection Report** 0106

KY ID:

Inspection Date: May 6, 2015

Upstream Slope of Dam: The upstream slope has a tall grass and needs mowing. The lower portion of the slope is bare below the normal pool line.

Crest of Dam: The crest has a tall grass cover and needs mowing. Ruts from vehicle tracks were noted. There were no signs of embankment instability problems. No animal burrows, slides, slumps, or anomalies in the alignment were noted.

Downstream Slope of Dam: The downstream slope has a tall grass and needs mowing. Vehicle tracks were present on the slope. As owner of the dam it is your statutory responsibility to maintain the structure such that a visual inspection can easily be performed.

Toe Drains: This structure does not have toe drains.

Principal Spillway Comment: The principal spillway inlet is obstructed with debris. Tall weeds and leaves were noted around the inlet. The outlet is clear.

Stilling Basin: This structure does not have a stilling basin.

Emergency Spillway Comments: The emergency spillway weir and concrete are in good condition. Large rock boulders had fallen in the spillway. Some trees and brush were in the outlet channel and needs to be removed.

Drawdown System: Lake water is gravity fed into the water plant. There are no pumps. Three valves are found on the platform extending into the lake and may be for intakes at three different water levels. One of the valves was open.

Does Hazard Classification need to be Reevaluated? This structure is currently classified high hazard. It does not need to be reclassified. The lake is the only water supply for 3,500 customers in Martin County.

Hydraulic Capacity: This structure is hydraulically compliant. FBH = 28.2 inches and does meet the minimum criteria for a high hazard dam.

General Comments and Recommendations:

Overall, the structure is in fair condition. The entire structure must be mowed. The area around the principal spillway inlet must be cleared. The rocks in the emergency spillway outlet must be removed. The vehicle tracks on the upstream slope and crest must be reseeded. Vehicles must be kept off the dam. The emergency spillway outlet channel must be cleared of brush and trees.

Inspector:

Gary Wells

Day Wells

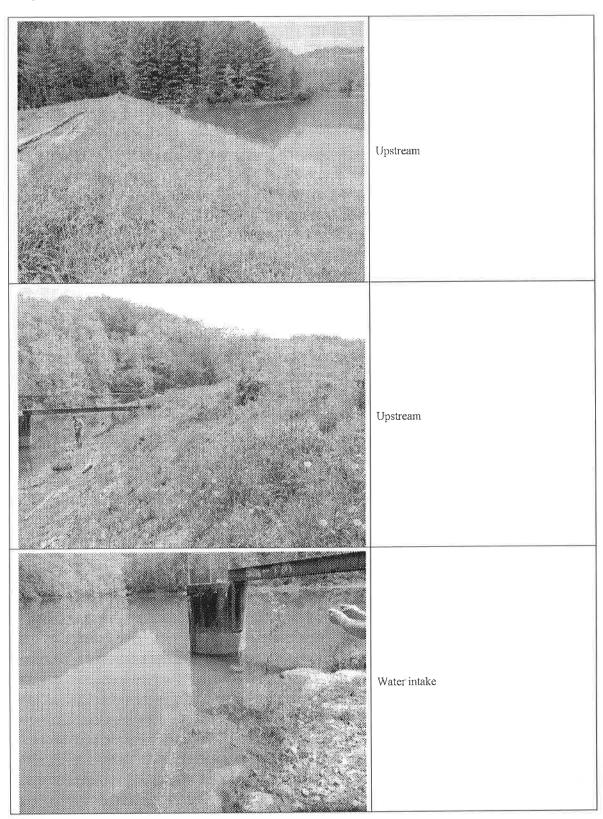
Date:

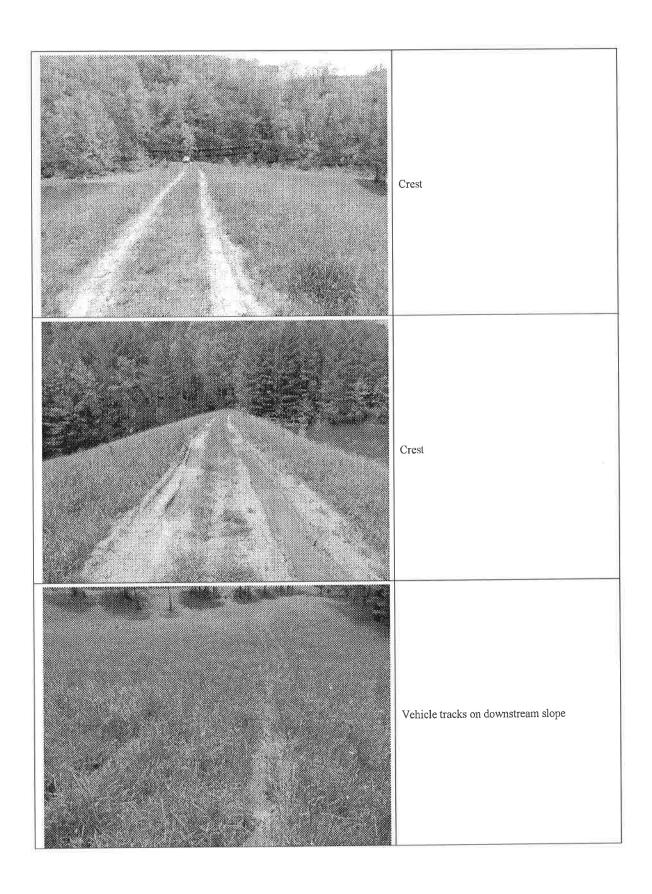
5-7-15

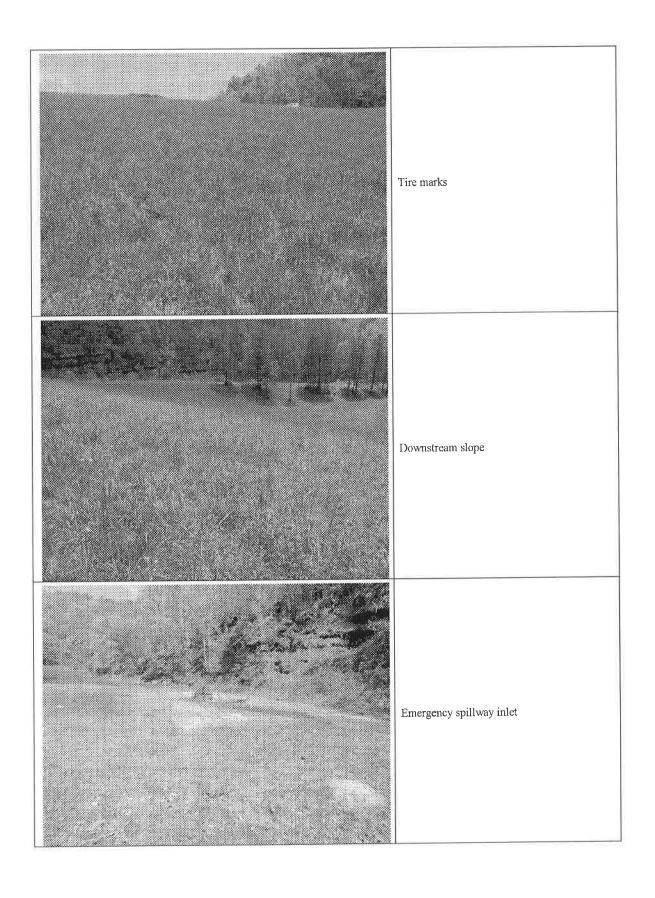
Reviewer:

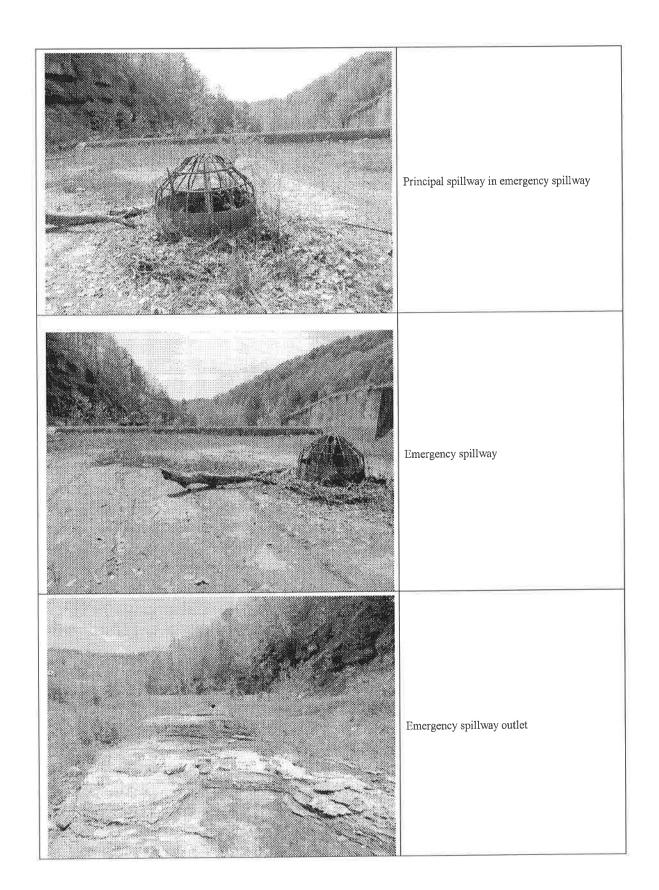
Gary Wells, PE

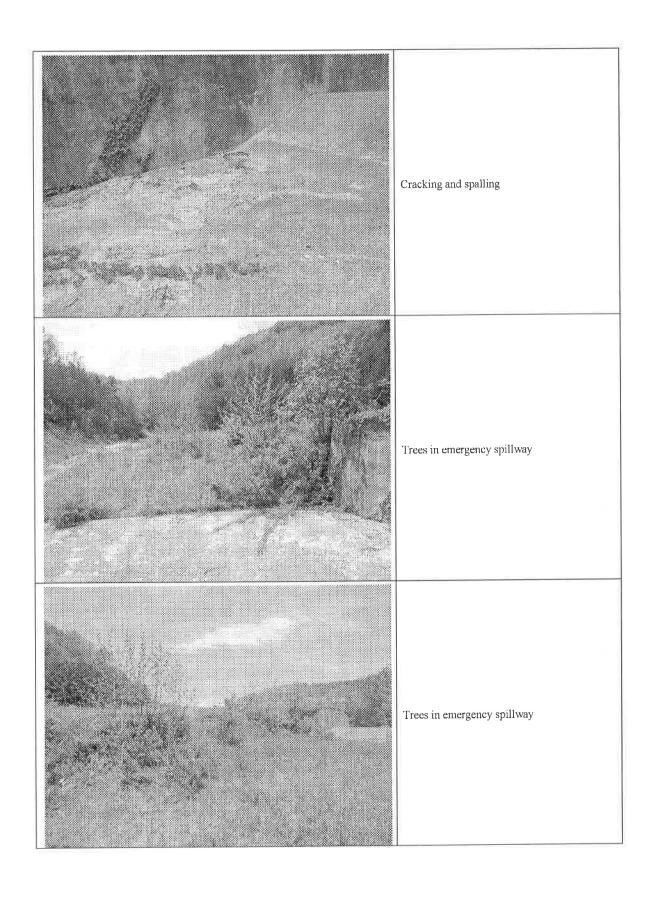
Routine Inspection Report Photo Log KY ID: 0106 Inspection Date: May 6, 2015

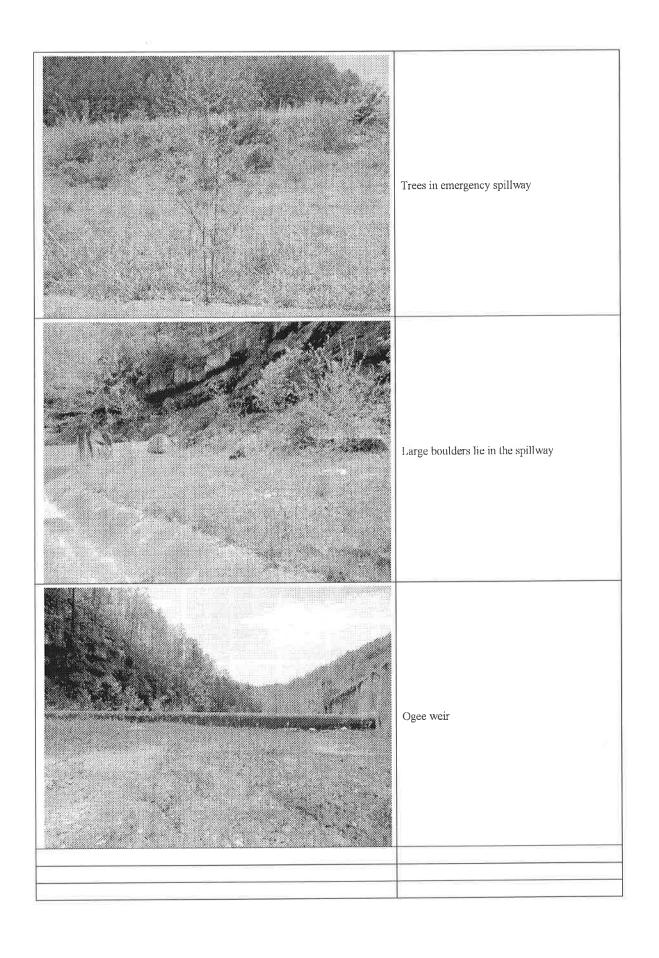


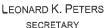
















### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER 200 FAIR OAKS LANE, 4TH FLOOR FRANKFORT, KENTUCKY 40601 www.kentucky.gov

### ROUTINE INSPECTION REPORT FOR DAM AND APPURTENANT WORKS

Note: The Division of Water does not intend this report to be taken as an assurance that no other problems exist at this site or that this dam is safe. The reports sole intent is to provide you a factual account of the conditions observed at the site during the inspection. If you have questions, write this office at the above listed address or call (502) 564-3410.

**Inspection Date:** 

May 6, 2015

Persons Present at Inspection: Gary Wells, Ron Gruzesky, Batmyagmar Dashbold

Weather:

Sunny, 80 Deg

ID of Dam:

0106

Contact: Owner:

John Mills, Superintendent Martin County Water District

Name of Dam: Agency Interest: MARTIN CO WATER DIST NO 1 DAM

Address: City:

387 E. Main Street, STE 140

County:

2987 Martin

State:

Inez KY

Latitude Dec Deg: Longitude Dec Deg: 37.878887 -82.51889

Zip: Phone: 41224 606-298--3885

Hazard HIGH 66 feet Height of Dam (ft) ZONED EARTHFILL DAM ABOUT 410' LONG WITH A TOP WIDTH OF 20 FEET, RIPRAP FROM ELEVATION 700 UP ON WET SIDE, NO BERMS, SIDE Type of Dam SLOPES ARE BOTH 3 1/2:1. Top of Dam (ft MSL) 731.5 27.5 Max. Surface Area (ac) 800 Max. Volume (ac ft) Required Overtop Storm (in) 28.2 28.2 Actual Overtop Storm (in) 24 INCH PIPE LOCATED IN THE AREA OF THE EMERGENCY SPILLWAY. **Principal Spillway ELEVATION OF 722.0 MSL** Normal Pool Elevation (ft MSL) 722 712 Current Pool Elevation (ft MSL) OGEE WEIR WITH CREST AT 722.0. SIDE SLOPES VARY DEPENDING ON MATERIAL, SEE PLAN VIEW. WEIR LENGTH IS 110 FEET. BOTTOM WIDTH **Emergency Spillway** OF OUTLET CHANNEL VARIES. OUTLET SLOPE IS ABOUT 3.0 PERCENT. Emer. Spillway Elevation (ft MSL) At end of platform on top of concrete tower are three valves; one was open Location of Drawdown Valve 5-6-15 - Water is gravity fed to the water treatment plant. Last Date of Operation



**Routine Inspection Report** 

KY ID:

0106

Inspection Date: May 6, 2015

**Upstream Slope of Dam:** The upstream slope has a tall grass and needs mowing. The lower portion of the slope is bare below the normal pool line.

Crest of Dam: The crest has a tall grass cover and needs mowing. Ruts from vehicle tracks were noted. There were no signs of embankment instability problems. No animal burrows, slides, slumps, or anomalies in the alignment were noted.

**Downstream Slope of Dam:** The downstream slope has a tall grass and needs mowing. Vehicle tracks were present on the slope. As owner of the dam it is your statutory responsibility to maintain the structure such that a visual inspection can easily be performed.

Toe Drains: This structure does not have toe drains.

**Principal Spillway Comment:** The principal spillway inlet is obstructed with debris. Tall weeds and leaves were noted around the inlet. The outlet is clear.

Stilling Basin: This structure does not have a stilling basin.

Emergency Spillway Comments: The emergency spillway weir and concrete are in good condition. Large rock boulders had fallen in the spillway. Some trees and brush were in the outlet channel and needs to be removed.

**Drawdown System:** Lake water is gravity fed into the water plant. There are no pumps. Three valves are found on the platform extending into the lake and may be for intakes at three different water levels. One of the valves was open.

**Does Hazard Classification need to be Reevaluated?** This structure is currently classified high hazard. It does not need to be reclassified. The lake is the only water supply for 3,500 customers in Martin County.

**Hydraulic Capacity:** This structure is hydraulically compliant. FBH = 28.2 inches and does meet the minimum criteria for a high hazard dam.

General Comments and Recommendations:

Overall, the structure is in fair condition. The entire structure must be mowed. The area around the principal spillway inlet must be cleared. The rocks in the emergency spillway outlet must be removed. The vehicle tracks on the upstream slope and crest must be reseeded. Vehicles must be kept off the dam. The emergency spillway outlet channel must be cleared of brush and trees.

Inspector:

Gary Wells

Day Wells

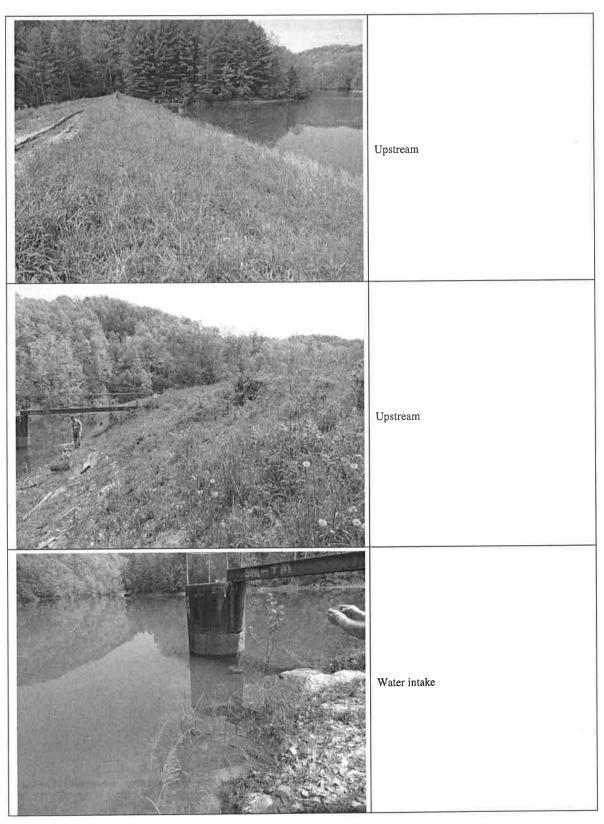
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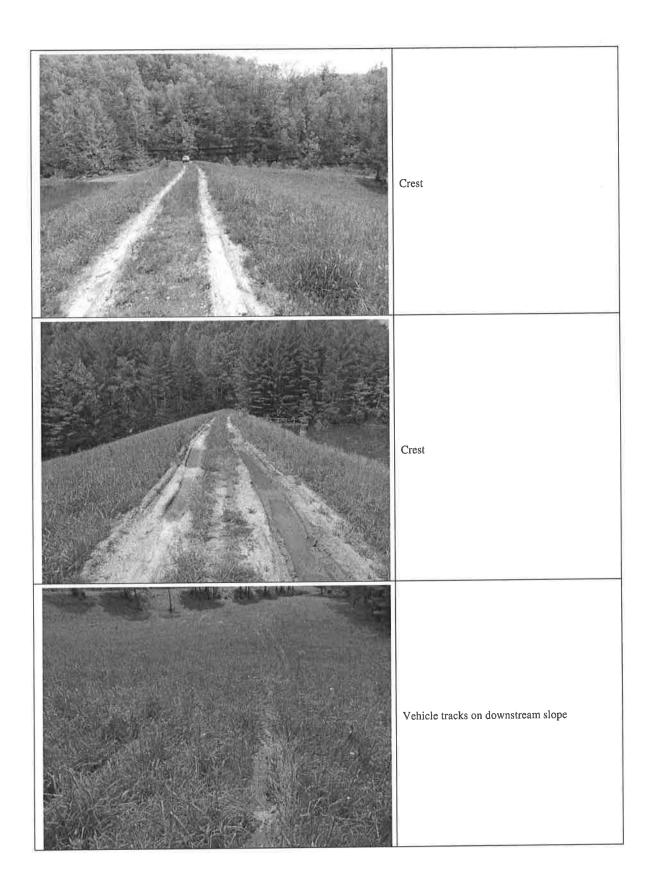
5-7-15

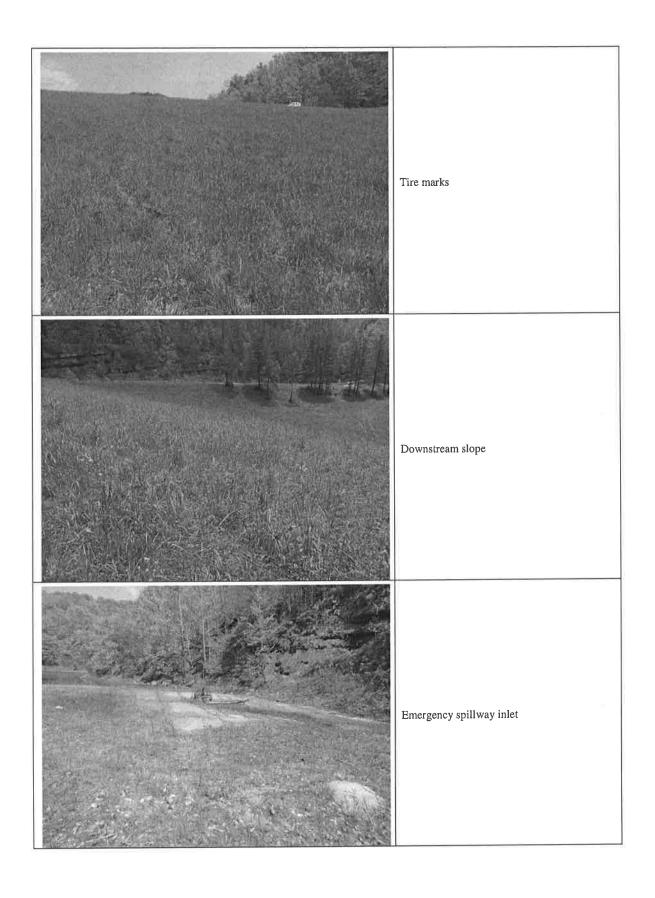
Reviewer:

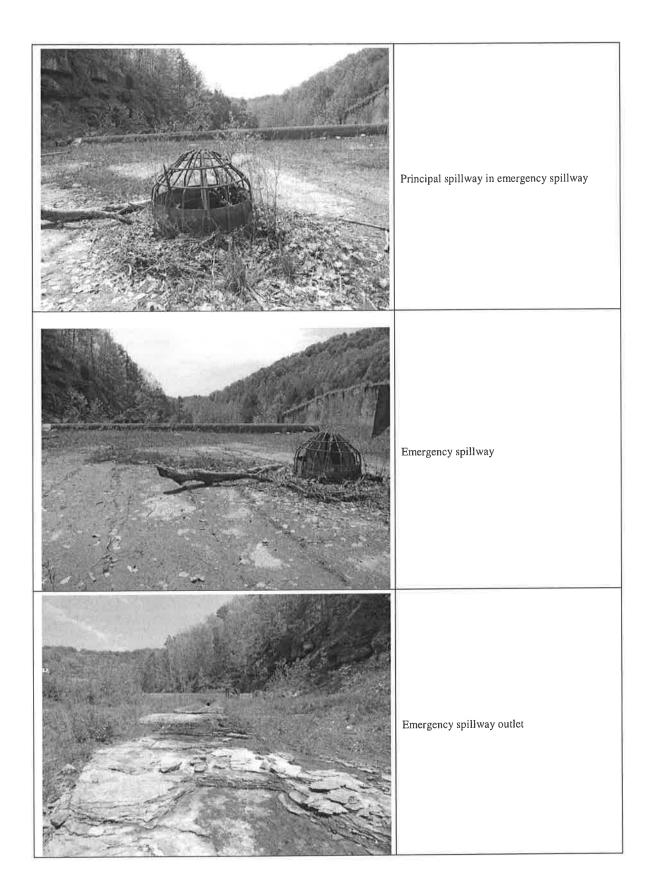
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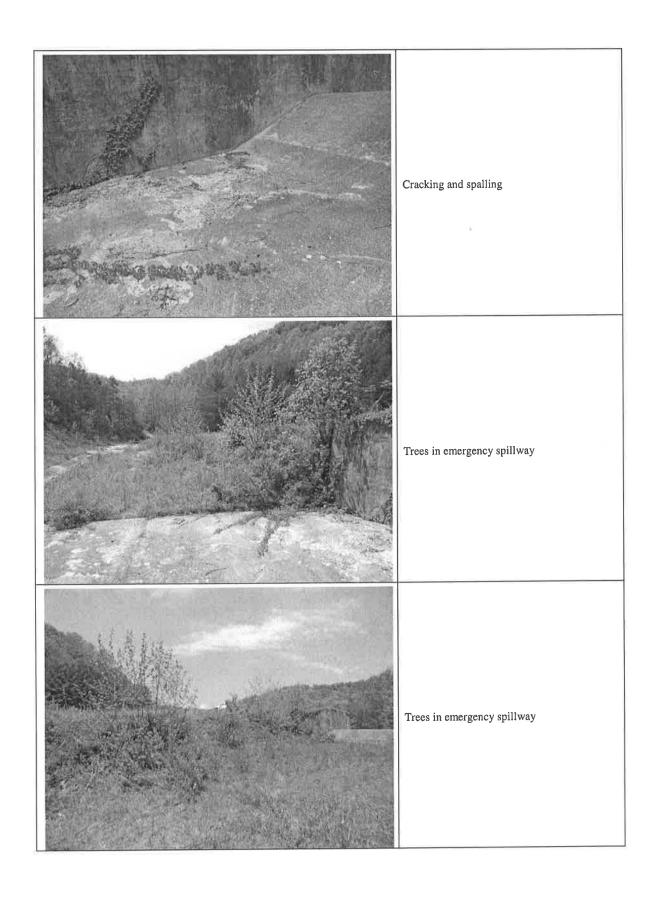
Routine Inspection Report Photo Log KY ID: 0106 Inspection Date: May 6, 2015

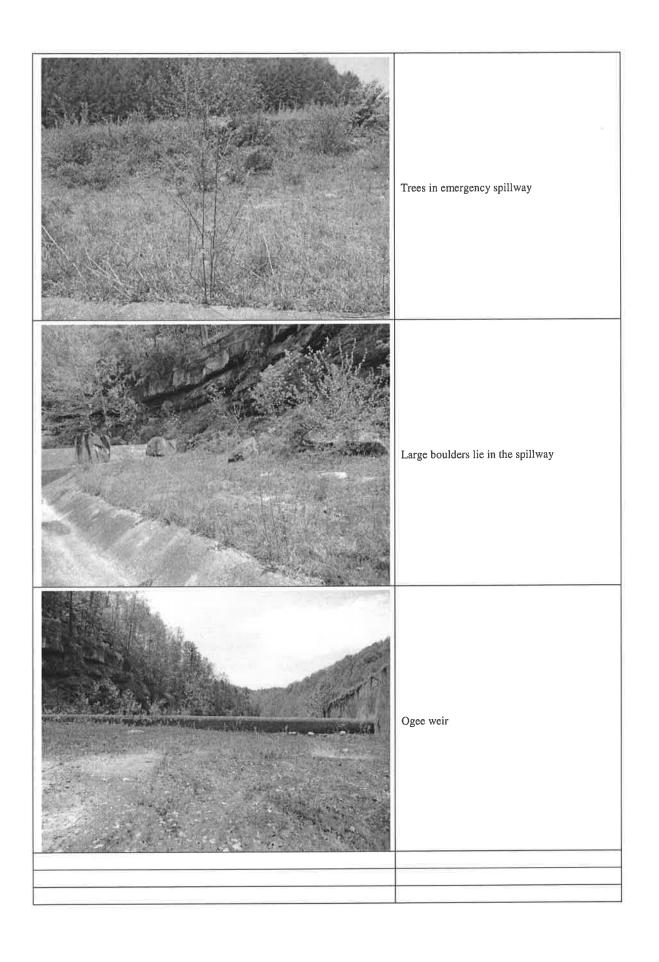














LEONARD K. PETERS SECRETARY

#### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

May 7, 2015

John Mills, Superintendent Martin County Water District 387 E. Main Street, STE 140 Inez, KY 41224

RE: Scheduled Inspection

ID of Dam: 0106

MARTIN CNTY WATER DIST NO 1 DAM

Martin County, KY Hazard Class: HIGH Agency Interest: 2987 Activity: CIN20150001

Dear Mr. Mills:

The Division of Water is responsible for performing safety inspections of dams in Kentucky. Kentucky Revised Statutes Chapter 151 (KRS 151) and associated regulations establish minimum maintenance and design criteria for dams. KRS 151.125 gives the Division of Water authority to require any measures necessary to bring the dam into compliance with statutes and regulations.

As the owner you are required to maintain the dam to assure public safety. On May 6, 2015, personnel from the Energy and Environment Cabinet, Division of Water, inspected the above referenced structure. A copy of the inspection report is enclosed. Based on our visual inspection of the dam, the following deficiencies need to be corrected:

- Mow the entire structure.
- Clear away the debris from the principal inlet.
- Remove the trees and heavy brush in the emergency spillway and rock boulders.
- Reseed the vehicle tracks on the downstream slope and crest. Keep vehicles off of the structure.





LEONARD K. PETERS SECRETARY

### **ENERGY AND ENVIRONMENT CABINET**

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FRANKFORT, KENTUCKY 40601
www.kentucky.gov

If you have any questions concerning this matter, please contact Gary Wells, PE at (502) 564-3410.

Sincerely,

Ron Gruzesky, P.E.

Dam Safety and Floodplain Compliance Section

Division of Water

gw Enclosure





LEONARD K. PETERS SECRETARY

#### **ENERGY AND ENVIRONMENT CABINET**

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LEONARD K. PETERS SECRETARY

### **ENERGY AND ENVIRONMENT CABINET**

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DIVISION OF WATER
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FRANKFORT, KENTUCKY 40601
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Sincerely,

Ron Gruzesky, P.E.

Dam Safety and Floodplain Compliance Section

Division of Water

gw Enclosure



### **Energy and Environment Cabinet** Department for Environmental Protection Division of Water

Wastewater Inspection Report

**AI ID:** 2987

AI Type: WATER-Public Water System (2213)

AI Name:

Martin Co Water District

AI Address: 14 Flat Hollow

City: Inez, State: Kentucky Zip: 41224

County: Martin Regional Office: Hazard Regional Office

**Latitude:** 37.878887 **Longitude:** -82.51889

Site Contact: Tom Alley

Title: Operator

Inspection Type: WW CEI-DW Plt KYG64 Activity #: CIN20150003

Inspection Start Date: 9/15/15 Time: 09:05 AM End Date: 9/15/15 Time: 09:30 AM

Site/Permit ID: KYG640104

Lead DEP Investigator: Robert Back Persons Interviewed: Tom Alley

General Comments: On September 15, 2015 I conducted an Inspection on the backwash discharge from this facility. The water in the backwash lagoon was clear and not discharging at the time of the inspection. A

12 month DMR summary was conducted and no violations were found.

Overall Compliance Status: No Violations Observed

### **Investigation Results**

SI: AIOO2987 SI Description: **Inspector Comment:** 

Requirement: Does the facility hold the proper KPDES permit for the filter backwash discharge(s) from their public or privately owned drinking water treatment plant? [401 KAR 5:055 Section 2]. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: Yes KYG640104

Requirement: Does the permittee retain records of all monitoring information including: the date, exact place, and time of sampling or measurements; the name of the individual who performed the sampling or measurements; the dates and times analyses were performed; the name of the individual who performed the analyses; the analytical techniques or methods used; the results of the analyses; all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation; copies of all reports required by this permit; and records of all data used to complete the application for this permit, for the period required by the cabinet and at a minimum of at least three (3) years from the date of the sample, measurement, report, or application? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

Requirement: Has the permittee adequately developed a Best Management Practices Plan? [40 C.F.R. 122.41(a)].

[401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Is the BMP plan required by 401 KAR 5:065 Section 2(4) and Part IV Section A (5) of the facility's permit consistent with the general guidance contained in the publication entitled "NPDES Best Management Practices Guidance Document," to include the following baseline BMPs as a minimum:

- a. BMP Committee b. Reporting of BMP Incidents
- c. Risk Identification and Assessment d. Employee Training
- e. Inspections and Records f. Preventative Maintenance
- g. Good Housekeeping h. Materials Compatibility

i. Security j. Materials Inventory

If a BMP plan has not been developed, has the permittee demonstrated that the BMP requirements have been met by an existing plan? If all stormwater can not be diverted to a pit or sediment control structure, does the BMP plan address this runoff? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Has the permittee adequately implemented the BMP plan? [401 KAR 5:065 Section 2(1)]. [401 KAR

5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the facility required to prepare and implement a groundwater protection plan (GPP) as specified in regulation 401 KAR 5:037? If yes, does the facility have a GPP? [401 KAR 5:037 Section 3]. [401 KAR 5:037 Section 3]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the effluent in compliance with KPDES permit limitations? Do the Discharge Monitoring Reports indicate KPDES permit violations? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

indicate KFDES permit violations: [40] KAK 5.005 Section 2(1)]. [40] KIK 5.005 S

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Are samples taken in compliance with the monitoring requirements and taken at the following location(s): nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Is discharge being monitored, at the specified outfall(s)/monitoring point(s), for parameters specified in the facility's permit within the required timeframe? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

Requirement: Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401

KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Yes

**Requirement:** Did the facility notify the Division of Water by the most rapid means available whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth? [401 KAR 5:015 Section 2]. [401 KAR 5:015 Section 2]

Compliance Status: C-No Violations observed

Comment:

**Requirement:** Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1), [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

**Comment:** 

Requirement: Is the facility being properly operated and maintained as specified in 401 KAR 5:065? This includes:
(a) proper operation and maintenance of all facilities, systems of treatment and control, and related appurtenances which are installed or used by the permittee to achieve compliance with permit conditions;(b) proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures;
(c) this provision also requires the operation of back-up or auxiliary facilities or similar systems which are installed by

a permittee only when the operation of back-up or auxiliary facilities of similar systems which are instance by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit; (d) is the cleaning frequency of lagoons adequate to ensure compliance with the facility permit? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

C.1 C
Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]. [KRS 224.70-110]
Compliance Status: C-No Violations observed
Comment:
Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401
KAR 10:031 Section 2(1)]
Compliance Status: C-No Violations observed
Comment:
Requirement: Is the permittee in compliance with all permit conditions? [401 KAR 5:065 Section 2(1)]. [401 KAR
5:065 Section 2(1)]
Compliance Status: C-No Violations observed
Comment:
Documentation  ☐ Photos taken ☐ Documents obtained from facility ☐ Samples taken by outside source ☐ Request for Submission of Documents ☐ Comments ☐ Record of visual determination of opacity ☐ Samples taken by DEP ☐ Regional office instrument readings taken ☐ Other documentation
Inspector: Robert Back
E-Signed by Robert Back VERIFY authenticity with Approvelt
Date: 09/21/15 Delivery Method: US Mail



LEONARD K. PETERS SECRETARY

### **ENERGY AND ENVIRONMENT CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water 233 Birch St Hazard, KY 417012115 www.kentucky.gov

September 21, 2015

Martin Co Water District 14 Flat Hollow Inez, Kentucky 41224

RE:

Martin Co Water District -- 2987

Permit No.: KYG640104 Martin County, Kentucky Activity ID: CIN20150003

Dear Martin Co Water Dist:

Attached for your information and records is a copy of the WW CEI-DW Plt KYG64 performed at Martin Co Water District on September 15, 2015.

If you have any questions or comments concerning this inspection, please contact the Hazard Regional Office at: (606) 435-6022.

Sincerely,

E-Signed by Robert Back OF VERIFY authenticity with Approve It

Robert Back Environmental Inspector Hazard Regional Office Division of Water

RB

Enclosure:

