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

July 14, 2017

Public Service Commission
ATTN: David Spenard
P.O. Box 615
Frankfort, KY 40602

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

Dear Mr. Spenard:

Enclosed please find an original and five (5) copies of Martin County Water District's Response to post-hearing request dated June 6, 2017.

Thank you for your time and attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld
Enclosure
cc: Martin County Water District

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 RESPONSE TO PSC'S POST HEARING REQUEST DATED JUNE 6, 2017

CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was mailed, postage paid, on this the 15th day of July, 2017, to the following:

Public Service Commission
ATTN: David Spenard
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 DISTRICT PURSUANT TO KRS 278.280	)))	CASE NO. 2016-00142

COMMISSION STAFF'S SECOND POST-HEARING REQUEST FOR INFORMATION TO MARTIN COUNTY WATER DISTRICT

Martin County Water District ("Martin District"), pursuant to 807 KAR 5:001, is to file with the Commission the original and five copies of the following information, with a copy to all parties of record. The information requested herein is due on or before July 17, 2017. Responses to requests for information shall be appropriately bound, tabbed and indexed. Each response shall include the name of the witness responsible for responding to the questions related to the information provided.

Each response shall be answered under oath or, for representatives of a public or private corporation or a partnership or association or a governmental agency, be accompanied by a signed certification of the preparer or the person supervising the preparation of the response on behalf of the entity that the response is true and accurate to the best of that person's knowledge, information, and belief formed after a reasonable inquiry.

Martin District shall make timely amendment to any prior response if it obtains information which indicates that the response was incorrect when made or, though correct when made, is now incorrect in any material respect. For any request to which Martin District fails or refuses to furnish all or part of the requested information, it shall provide a

written explanation of the specific grounds for its failure to completely and precisely respond. Martin District shall review these requests and its responses no less frequently than every 30 days and shall make such supplemental filings as necessary in order to submit additional information for the continuing requests for information until the next scheduled hearing in this matter.

Careful attention shall be given to copied material to ensure that it is legible. When the requested information has been previously provided in this proceeding in the requested format, reference may be made to the specific location of that information in responding to this request. When filing a paper containing personal information, Martin District shall, in accordance with 807 KAR 5:001, Section 4(10), encrypt or redact the paper so that personal information cannot be read.

1. Provide each memorandum or meeting summary provided by BlueWater Kentucky to Martin District. This request is a continuing request until the next scheduled hearing.

2. Provide each recommendation or progress report concerning recommendations made by BlueWater Kentucky to Martin District. This request is a continuing request until the next scheduled hearing.

3. Provide each Monthly Water Use Report for the period January 2017 through May 2017. This request is a continuing request until the next scheduled hearing.

4. For the period beginning January 1, 2017, to the present, provide each memorandum or other correspondence between Martin District and the Kentucky Rural Water Association. This request is a continuing request until the next scheduled hearing.

5. By month, for the period beginning February 1, 2017, to the present, provide the amount of coal severance funds received by Martin County. This is a continuing request until the next scheduled hearing.

6. By month, for the period beginning February 1, 2017, to the present, provide the amount of coal severance funds allocated by Martin County to Martin District. This is a continuing request until the next scheduled hearing.

7. Provide an update on efforts to obtain funding for Project Rejuvenate since February 23, 2017, to present. This is a continuing request until the next scheduled hearing.

8. Provide a copy of the executed First Amendment to Joint Operating Agreement between Martin District and the Prestonsburg City's Utilities Commission.

Richard G. Raff for

Talina R. Mathews
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, KY 40602

DATED JUN 0 6 2017

cc: Parties of Record

VERIFICATION

I, Joe Hammond, of the Martin County Water District, hereby verify that the responses and exhibits attached hereto are true and correct to the best of my knowledge.

Joe Hammond

JOE HAMMOND

STATE OF KENTUCKY)

COUNTY OF MARTIN)

SUBSCRIBED, SWORN and ACKNOWLEDGED before me by Joe Hammond this 14th day of July, 2017.

My Commission Expires: 9-18-18.

Lesley A Dempsey

NOTARY PUBLIC, STATE AT LARGE

Exhibit #1

Meeting Summary
BlueWater Kentucky

BlueWater Kentucky

Summary Report of Activities – June 2017

DATE: July 14, 17

SUBJECT: June 2017 Activity Report

TO: Martin County Water District

FROM: Greg Heitzman

The following activities for the Martin County Water District are reported for the month of June, 2017.

June 1, 2017 – BlueWater Kentucky entered into a contract with Martin County Water District (MCWD) to provide managerial services, including a review of operations, management and leadership of the MCWD. The scope includes review of annual Kentucky PSC reports, annual Kentucky DOW reports and 2013-15 annual audits of the MCWD and other reports (PSC filings, 2007 Management Audit, rate studies, annual budgets, etc.); review of the governance, leadership, management and operations of MCWD; review of policies and procedures and practices of the MCWD; review of annual revenue and expenses; and review of water loss history. The scope includes providing recommendations to the MCWD.

June 5-9, 2017 - Begin review of various documents, including 2007 Management Audit and Action Plan, annual Financial Audits, and Kentucky PSC Reports in preparation for visit to MCWD on June 13, 2017.

June 13-14, 2017 – Visit Inez, Kentucky to meet with the following:

- Leadership: Chair MCWD: Bill Harvey
- Business and a Operations staff: Joe Hammond, John Mills, and Earl Alley
- Accounting/Finance: Linda Sumpter and Raymond Sumpter
- General Counsel: Brian Cumbo
- Kentucky Rural Water: Joe Burns

The site visit included review of leadership, management and operations for insight on past and current activities. The site visit also included a review of the contract with Prestonsburg to supply water to the Federal Prison and a visit to the Airport/Prison Booster pump station and 1 million gallon storage tank. A visit to the water treatment plant to review operations of clarifier, filters, disinfection and pumping.

June 15-30, 2017 – Continue review of management reports and revenue/expense history and accounts payable. Review historical operating practices, through conversation with Joe Burns and Gary Larimore of Kentucky Rural Water Association and Roger Rectenwald of Kentucky Association of Counties (KACO). Begin review of capital investment needs, for source, plant, pumping, storage, distribution, hydrants and service/meter infrastructure. Begin review of current rate structure and rate studies. Begin research on opportunities for grant funding for infrastructure upgrades. Review news articles covering the concerns of local residents regarding the water supply and water quality from MCWD.

Next site visit is planned for mid-August 2017

Exhibit #2

Recommendations or Progress Report BlueWater Kentucky

NO RECOMMENDATIONS WERE
RECEIVED PRIOR
TO THE FILING OF THIS RESPONSE

Exhibit #3

Water Use Report

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: January Year: 2017

LINE #	ITEM		GALLONS (Omit 000's)	%
1	**WATER PRODUCED or PURCHASED**			
2	Water Produced		62.634	100%
3	Water Purchased			0%
4	**TOTAL PRODUCED AND PURCHASED**		62.634	
	WATER SOLD			
5	Residential		13.519	91%
6	Commercial		0.000	0%
7	Industrial		0.000	0%
8	Bulk Loading Stations		0.000	0%
9	Wholesale		0.000	0%
10	Other Sales (explain)	Honey Branch	1.302	9%
11	**TOTAL WATER SOLD**		14.821	24%
12	**TOTAL WATER NOT SOLD**		47.813	76%
	BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant		0.456	1%
14	Wastewater Plant		0.000	0%
15	System Flushing	Estimated	1.700	3%
16	Fire Department	Estimated	0.350	1%
17	Other (explain)			0%
	TOTAL UNSOLD WATER USED		**2.506**	4%
	BREAKDOWN OF WATER LOST			
18	Tank Overflows		0.000	0%
19	Line Breaks	Estimated	6.500	10%
20	Other Loss		38.807	62%
	TOTAL WATER LOST		45.307	72%

	"OTHER LOSS" FLOW RATE CALCULATION:	
21	"Other Loss"	38.807
22	% "Other Loss"	62%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1.252
25	"Other Loss" per Minute (GPM)	0.869

Kentucky UNBRIDLED SPIRIT

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Revised: January 10, 2007

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: February Year: 2017

LINE #	ITEM		GALLONS (Omit 000's)	%
1	**WATER PRODUCED or PURCHASED**			
2	Water Produced		54.436	100%
3	Water Purchased		0.000	0%
4		**TOTAL PRODUCED AND PURCHASED**	54.436	
	WATER SOLD			
5	Residential			0%
6	Commercial		15.076	96%
7	Industrial			0%
8	Bulk Loading Stations			0%
9	Wholesale			0%
10	Other Sales (explain)	Honey Branch	0.637	4%
11		**TOTAL WATER SOLD**	15.713	29%
12		**TOTAL WATER NOT SOLD**	38.723	71%
	BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant		0.398	1%
14	Wastewater Plant		0.060	0%
15	System Flushing		1.750	3%
16	Fire Department		0.350	1%
17	Other (explain)			0%
		TOTAL UNSOLD WATER USED	**2.558**	5%
	BREAKDOWN OF WATER LOST			
18	Tank Overflows		0.000	0%
19	Line Breaks		4.500	8%
20	Other Loss		31.665	58%
		TOTAL WATER LOST	36.165	66%

	"OTHER LOSS" FLOW RATE CALCULATION:	
21	"Other Loss"	31.665
22	% "Other Loss"	58%
23	Number of Days in Period	28
24	"Other Loss" per Day (1,000's gallons per Day)	1.131
25	"Other Loss" per Minute (GPM)	0.785

Kentucky UNBRIDLED SPIRIT

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: March Year: 2017

LINE #	ITEM		GALLONS (Omit 000's)	%
1	**WATER PRODUCED or PURCHASED**			
2	Water Produced		60.093	100%
3	Water Purchased		0.000	0%
4		**TOTAL PRODUCED AND PURCHASED**	60.093	
	WATER SOLD			
5	Residential		14.111	81%
6	Commercial			0%
7	Industrial			0%
8	Bulk Loading Stations			0%
9	Wholesale			0%
10	Other Sales (explain)	Honey Branch	3.263	19%
11		**TOTAL WATER SOLD**	17.374	29%
12		**TOTAL WATER NOT SOLD**	42.719	71%
	BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant		0.426	2%
14	Wastewater Plant		0.049	0%
15	System Flushing	Estimated	1.400	8%
16	Fire Department	Estimated	0.250	1%
17	Other (explain)			0%
		TOTAL UNSOLD WATER USED	**2.125**	4%
	BREAKDOWN OF WATER LOST			
18	Tank Overflows		0.000	0%
19	Line Breaks	Estimated	6.500	37%
20	Other Loss		34.094	57%
		TOTAL WATER LOST	40.594	68%

	"OTHER LOSS" FLOW RATE CALCULATION:	
21	"Other Loss"	34.094
22	% "Other Loss"	57%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1.100
25	"Other Loss" per Minute (GPM)	0.764

Kentucky UNBRIDLED SPIRIT

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: April Year: 2017

LINE #	ITEM		GALLONS (Omit 000's)	%
1	**WATER PRODUCED or PURCHASED**			
2	Water Produced		60.093	100%
3	Water Purchased		0.000	0%
4		**TOTAL PRODUCED AND PURCHASED**	60.093	
	WATER SOLD			
5	Residential		13.452	79%
6	Commercial		0.000	0%
7	Industrial			0%
8	Bulk Loading Stations			0%
9	Wholesale			0%
10	Other Sales (explain)	Honey Branch	3.623	21%
11		**TOTAL WATER SOLD**	17.075	28%
12		**TOTAL WATER NOT SOLD**	43.018	72%
	BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant		0.465	1%
14	Wastewater Plant		0.000	0%
15	System Flushing	Estimated	4.500	7%
16	Fire Department	Estimated	0.450	1%
17	Other (explain)			0%
		TOTAL UNSOLD WATER USED	**5.415**	9%
	BREAKDOWN OF WATER LOST			
18	Tank Overflows		0.000	0%
19	Line Breaks	Estimated	6.500	11%
20	Other Loss		31.103	52%
		TOTAL WATER LOST	37.603	63%

	"OTHER LOSS" FLOW RATE CALCULATION:	
21	"Other Loss"	31.103
22	% "Other Loss"	52%
23	Number of Days in Period	30
24	"Other Loss" per Day (1,000's gallons per Day)	1.037
25	"Other Loss" per Minute (GPM)	0.720

Kentucky UNBRIDLED SPIRIT

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: May Year: 2017

LINE #	ITEM		GALLONS (Omit 000's)	%
1	**WATER PRODUCED or PURCHASED**			
2	Water Produced		59.310	100%
3	Water Purchased		0.000	0%
4		**TOTAL PRODUCED AND PURCHASED**	59.31	
	WATER SOLD			
5	Residential		14.987	100%
6	Commercial		0.000	0%
7	Industrial			0%
8	Bulk Loading Stations			0%
9	Wholesale			0%
10	Other Sales (explain)	Honey Branch	3.258	22%
11		**TOTAL WATER SOLD**	14.987	25%
12		**TOTAL WATER NOT SOLD**	44.323	75%
	BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant		0.436	1%
14	Wastewater Plant		0.050	0%
15	System Flushing	Estimated	3.500	6%
16	Fire Department	Estimated	0.465	1%
17	Other (explain)			0%
		TOTAL UNSOLD WATER USED	**4.451**	8%
	BREAKDOWN OF WATER LOST			
18	Tank Overflows		0.000	0%
19	Line Breaks	Estimated	8.500	14%
20	Other Loss		31.372	53%
		TOTAL WATER LOST	39.872	67%

	"OTHER LOSS" FLOW RATE CALCULATION:	
21	"Other Loss"	31.372
22	% "Other Loss"	53%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1.012
25	"Other Loss" per Minute (GPM)	0.703

Kentucky UNBRIDLED SPIRIT

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: June Year: 2017

LINE #	ITEM		GALLONS (Omit 000's)	%
1	**WATER PRODUCED or PURCHASED**			
2	Water Produced		57.021	100%
3	Water Purchased			0%
4		**TOTAL PRODUCED AND PURCHASED**	57.021	
	WATER SOLD			
5	Residential		16.011	87%
6	Commercial		0.000	0%
7	Industrial			0%
8	Bulk Loading Stations			0%
9	Wholesale			0%
10	Other Sales (explain)	Honey Branch	2.452	13%
11		**TOTAL WATER SOLD**	18.463	32%
12		**TOTAL WATER NOT SOLD**	38.558	68%
	BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant		0.590	1%
14	Wastewater Plant	Estimated	0.050	0%
15	System Flushing	Estimated	5.500	10%
16	Fire Department		0.450	1%
17	Other (explain)			0%
		TOTAL UNSOLD WATER USED	**6.590**	12%
	BREAKDOWN OF WATER LOST			
18	Tank Overflows	Estimated	0.000	0%
19	Line Breaks	Estimated	9.500	17%
20	Other Loss		22.468	39%
		TOTAL WATER LOST	31.968	56%

	"OTHER LOSS" FLOW RATE CALCULATION:	
21	"Other Loss"	22.468
22	% "Other Loss"	39%
23	Number of Days in Period	30
24	"Other Loss" per Day (1,000's gallons per Day)	0.749
25	"Other Loss" per Minute (GPM)	0.520

Kentucky UNBRIDLED SPIRIT

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Exhibit #4

Kentucky Rural Water Correspondence

jdhammond58@outlook.com

From: Joe Hammond
Sent: Monday, June 12, 2017 7:41 AM
To: marcie@mcub.org
Subject: FW: Martin County Stage 2 Second Quarter PN Documents
Attachments: 2017-Martin Co-PN Certification Q2.docx; 2017-Martin Co-Poster-Stage 2 both Q2.doc; 2017-Martin Co-water bill PN-Stage 2 both Q2.doc; Martin County PN Posting Form.docx

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From: Arianna Lageman [mailto:a.lageman@krwa.org]
Sent: Friday, June 9, 2017 12:19 PM
To: jmills@bellsouth.net; jhammond@bellsouth.net; jdhammond58@outlook.com
Cc: Joe Burns <j.burns@krwa.org>
Subject: Martin County Stage 2 Second Quarter PN Documents

John,

Martin County is out of compliance for Stage 2s this quarter as well. I am attaching the documents you will need in order to complete the Public Notice.

You do not need to wait until you receive the NOV before performing the PN. Do it as soon as you can with your next billing cycle, provided you've already completed the first quarter's PN. If you have NOT completed the first quarter's PN, that will HAVE to go out on this next bill—I'm sure you all have received that violation and there is a 30 day clock on getting the notice out that starts the day you receive the NOV. Let me know if your billing cycle is not going to allow you get it out in 30 days. You can't combine two quarter's worth of PNs on one bill anymore so get the first quarter done now and then the second quarter PN on the next bill.

You do NOT need to submit an OEL this quarter.

Call me if you have any questions!

Thanks!

Arianna Lageman
Kentucky Rural Water Association
270-843-2291 (Office)
859-630-0075 (Cell)

"Helping Water and Wastewater Utilities Help Themselves"

SAVE THESE DATES:

Operator EXPO
May 23-24, 2017

Glendale, Kentucky

38th Annual Conference & Exhibition
August 28-30, 2017
Lexington, Kentucky

PUBLIC NOTIFICATION (PN) CERTIFICATION

PWS: **Martin County Water District** PWSID: **0800273** Population: **9504**

For Violations(s):

HAA Violation not yet issued
TTHM Violation not yet issued

That occurred on date(s):

4/1/2017 - 6/30/2017
4/1/2017 - 6/30/2017

I, 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: Method: Water Bills

Secondary Date: Method: Posters in Community

☐ 3. Copy sent to Consecutive Systems (include date, PWSID, and PWS name)

(Use additional sheets if necessary)

☐ 4. Content: All ten required elements are in the notice.

☐ 5. Other (attach description or explanation of additional methods used or use back of sheet).

Printed Name: John Mills Title: Manager

Signature: _____ Date: _____

Address: 387 E Main Street, Suite 140 Inez KY 41224

Phone: 606-298-3885

GENERAL INSTRUCTIONS

A. Include a **separate** certification for **each** PWSID that your public water system has. You may combine the notices and violations for the same PWSID on the same certification as long as the timing requirements in B are met for submitting the certification.

B. Within ten (10) days of providing the notification to your consumers, you must mail the certification to the Division of Water at the address below. **Do not mail the certification to the Division until you have notified the public of the violation.**

C. If you use your annual Consumer Confidence Report (CCR) for the public notification of Tier 3 violations, you must submit a PN certification **AND** a CCR certification.

D. You must provide a copy of each type of notice used for each different public notice.

E. Certification is to be signed by the Principal Executive Officer or Authorized Agent.

F. Mail PN certification & copy of PN & supporting documents to:

ATTN: PN
EEC-Division of Water
Drinking Water Compliance & Technical Assistance Section
300 Sower Boulevard
Frankfort, KY 40601

For consultation or questions regarding public notification, contact the Drinking Water Public Notice (PN) Rule Manager in the Drinking Water CTA Section, Compliance and Technical Assistance Branch, phone (502) 564-3410.

G. You are not required to use this form; it is provided for your convenience. Systems may submit other "certification" forms prepared by other entities or a letter, as long as the required information is included.

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. We routinely monitor for the presence of drinking water contaminants. Testing results from 4/1/2017 through 6/30/2017 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 4/1/2017 to 6/30/2017 was 0.091 mg/L and HAA was 0.063 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.

This is a repeat notice. We are working to minimize the formation of disinfection by-products while ensuring we maintain an adequate level of disinfectant. We have taken steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines. We anticipate resolving the problem within the next year.

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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This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

This is a repeat violation. We are working to minimize the formation of disinfection by-products while ensuring we maintain an adequate level of disinfectant. We have taken steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines. We anticipate resolving the problem within the next year.

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.

THM & HAA Stage 2 DBPR Template 2-19

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!**

Printing Instructions

This template is designed to print the notice on the back of the water bill sheets prior to printing the water bills using procedures the same as printing a letter.

After the notice has been printed to all sheets place the stack of sheets upside down on a flat surface and place a weight on the stack to remove the curl.

When the stack of sheets have cooled and straightened print the water bills as usual.

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.

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 4/1/2017 through 6/30/2017 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 4/1/2017 to 6/30/2017 was 0.091 mg/L and HAA was 0.063 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.

This is a repeat violation. We are working to minimize the formation of disinfection by-products while ensuring we maintain an adequate level of disinfectant. We have taken steps to change disinfectant levels, remove natural organic matter, and increased flushing of water lines. We anticipate resolving the problem within the next year.

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.

No text below this point.

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

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: _____ Date: _____

jdhammond58@outlook.com

From: Joe Hammond <jdhammond58@outlook.com>
Sent: Tuesday, April 18, 2017 1:03 PM
To: marciedials@bellsouth.net
Subject: Fw: Martin Co 2016 CCR
Attachments: 2016 CCR - Martin County.pdf; 2016 CCR Availability Notice - Martin County.doc; 2016 CCR Certification - Martin County.pdf; Good Faith Effort Form - Martin County.docx; Martin County PN Posting Form.docx

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From: Arianna Lageman <a.lageman@krwa.org>
Sent: Tuesday, April 18, 2017 8:11 AM
To: Joe Hammond
Subject: RE: Martin Co 2016 CCR

Joe,

Here are all of your CCR Documents.

The first is a pdf of your CCR. Next is the availability language to go on your bill cards. Then the CCR Certification and a Good Faith Effort Posting form. The last is the PN posting form.

You will put together two packets to send in to DOW:

1. CCR/CCR Certification/Good Faith Effort Form
2. CCR/CCR PN Certification/PN Posting Form

It is necessary to make two copies of your CCR so that Maggie Mahan can separate the CCRs from the PNs when she receives them. It makes it easier on her.

Your Good Faith Effort form and your PN Posting form sites and dates will be identical. Use at least 5 sites for posting.

CCR Certification Instructions

To certify the CCR make sure that all information is complete and accurate. In the top portion of the form confirm PWS name, PWSID, population, CCR year, primary distribution method, and URL if applicable. In the bottom portion of the form confirm all "Good Faith" methods, distribution date (when the water bills were mailed), date to Division of Water, and signature.
Send to Division of Water:

1. a hardcopy of the CCR
2. an actual water bill with the availability notice printed on it
3. A copy of the newspaper page if published in the newspaper as a form of distribution
4. the "Good Faith" list
5. a hardcopy of the email notification of e-CCR to e-pay or auto-pay customers with subject line, URL address or link address and/or link.

6. for email notification of CCR: include the number of emails sent and the number of undeliverable emails with statement that indicates hard copies were mailed to those customers and a copy of the notification that was mailed.
7. the CCR certification form. Sign and date at the bottom.

Make copies of everything for your records. Strongly suggest sending by registered mail.

PN Certification Instructions

To certify the PN complete the information at the bottom of the PN certification form. If distribution dates have not been inserted (middle of the page) fill in the distribution dates. Insert any other necessary information. Send to Division of Water:

1. a hardcopy of the CCR
2. the "PN Posting" list (note: the "Good Faith" and "PN Posting" lists can be identical)
3. the PN certification form

Make copies of everything for your records. Strongly suggest sending by registered mail.
These can be sent together in the same package.

EEC - Division of Water
Drinking Water Compliance and Technical Assistance Section
Attn: CCR/PN
300 Sower Boulevard
Frankfort, KY 40601

Arianna Lageman

Kentucky Rural Water Association

270-843-2291 (Office)

859-630-0075 (Cell)

From: Joe Hammond [mailto:jdhammond58@outlook.com]
Sent: Tuesday, April 18, 2017 7:50 AM
To: Arianna Lageman
Subject: Re: Martin Co 2016 CCR

Arianna...

I spoke with Tom Alley concerning the CCR and his remarks was it look good to him.

Thanks

Joe

From: Arianna Lageman <a.lageman@krwa.org>
Sent: Monday, April 10, 2017 2:43 PM

To: jdhammond58@outlook.com; jmills@bellsouth.net
Subject: Martin Co 2016 CCR

I have completed your 2016 CCR. Please CAREFULLY review the attached CCR and let me know of any changes that need to be made.

If you have any questions, give me a call and let me know and I'll help you through the paperwork.

Arianna Lageman
Kentucky Rural Water Association
270-843-2291 (Office)
859-630-0075 (Cell)

"Helping Water and Wastewater Utilities Help Themselves"

SAVE THESE DATES:

Management Conference
February 15-16, 2017
Bowling Green, Kentucky

Operator EXPO
May 23-24, 2017
Glendale, Kentucky

38th Annual Conference & Exhibition
August 28-30, 2017
Lexington, Kentucky

Martin County Water District
Water Quality Report 2016

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.

M=Martin County K=Kermit P=Prestonsburg	**Allowable Levels**	**Source**	**Highest Single Measurement**	**Lowest Monthly %**	**Violation**	**Likely Source of Turbidity**
Turbidity (NTU) TT * Representative samples of filtered water	No more than 1 NTU* Less than 0.3 NTU in 95% monthly samples	M= K= P=	0.111 0.04 0.25	100 100 100	No	Soil runoff

Regulated Contaminant Test Results

Contaminant [code] (units)	**MCL**	**MCLG**	**Source**	**Report Level**	**Range of Detection**	**Date of Sample**	**Violation**	**Likely Source of Contamination**
Inorganic Contaminants								
Barium [1010] (ppm)	2	2	M= K= P=	0.008 0.0561 0.03	0.008 to 0.008 0.0561 to 0.0561 0.03 to 0.03	Apr-16 2016 Apr-16	No	Drilling wastes; metal refineries; erosion of natural deposits
Chromium [1020] (ppb)	100	100	P=	1	1 to 1	Apr-16	No	Discharge from steel and pulp mills; erosion of natural deposits
Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	M=	0.040 (90th percentile)	0 to 0.27	Aug-14	No	Corrosion of household plumbing systems
Fluoride [1025] (ppm)	4	4	M= K= P=	0.8 0.47 0.73	0.8 to 0.8 0.2 to 1.2 0.73 to 0.73	Apr-16 2016 Apr-16	No	Water additive which promotes strong teeth
Lead [1030] (ppb) sites exceeding action level 0	AL = 15	0	M=	5 (90th percentile)	0 to 6	Aug-14	No	Corrosion of household plumbing systems
Nickel (ppm) (US EPA remanded MCL in February 1995.)	N/A	N/A	P=	1	1 to 1	Apr-16	No	N/A
Nitrate [1040] (ppm)	10	10	M= K= P=	0.2 0.18 0.37	0.2 to 0.2 0.18 to 0.18 0.37 to 0.37	Oct-16 2016 Jul-16	No	Fertilizer runoff; leaching from septic tanks, sewage; erosion of natural deposits
Selenium [1045] (ppb)	50	50	K=	0.0018	0.0018 to 0.0018	2016	No	Discharge from petroleum and metal refineries or mines; erosion of natural deposits
Thallium [1085] (ppb)	2	0.5	M=	0.1	0.1 to 0.1	Apr-16	No	Leaching from ore-processing sites; discharge from glass, electronics, and drug factories
Disinfectants/Disinfection Byproducts and Precursors								
Total Organic Carbon (ppm) (report level=lowest avg. range of monthly ratios)	TT*	N/A	M= K= P=	1.30 1.03 1.16	1 to 3.28 1.03 to 1.03 1 to 1.99	2016 2016 2016	No	Naturally present in environment.

*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for compliance.

Chlorine (ppm)	MRDL =4	MRDLG =4	M=	1.18 (highest average)	0.42 to 1.64	2016	No	Water additive used to control microbes.
HAA (ppb) (Stage 2) [Haloacetic acids]	60	N/A	M=	77 (average)	14 to 103 (range of individual sites)	2016	YES	Byproduct of drinking water disinfection
TTHM (ppb) (Stage 2) [total trihalomethanes]	80	N/A	M=	104 (average)	36 to 132 (range of individual sites)	2016	YES	Byproduct of drinking water disinfection.
Other Contaminants								
Cryptosporidium [oocysts/L]	0	TT (99% removal)	M=	0 (positive samples)	3 (no. of samples)	2016	No	Human and animal fecal waste

HAA(ppb) Individual Site	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Violation
SM8	61.75	73.5	75.75	77.00	Yes
SM7	47.25	56.25	60.75	54.75	Yes
118*	48.75	N/A	N/A	N/A	No
119*	53.25	N/A	N/A	N/A	No
TTHM(ppb) Individual Site	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Violation
SM8	78.25	85.00	87.75	88.25	Yes
SM7	90.75	96.75	91.00	98.00	Yes
118*	103.75	N/A	N/A	N/A	Yes
119*	70.25	N/A	N/A	N/A	No

*The Division of Water (DOW) no longer required Martin County Water District to monitor at four sites beginning with the second quarter of 2016. Sites 118 and 119 were no longer used for determining compliance with the Stage 2 Disinfection By-products Rule following that determination.

Secondary contaminants do not have a direct impact on the health of consumers and are not required in the Consumer Confidence Report. They are being included to provide additional information about the quality of the water.

Secondary Contaminant	**Maximum Allowable Level**	**Report Level**	**Range of Detection**	**Date of Sample**
Chloride	250 mg/l	9.9	9.9 to 9.9	Mar-16
Corrosivity	Noncorrosive	-2.15	N/A	Mar-16
Fluoride	2.0 mg/l	0.82	0.82 to 0.82	Mar-16
pH	6.5 to 8.5	6.96	6.96 to 6.96	Mar-16
Sulfate	250 mg/l	19.07	19.07 to 19.07	Mar-16
Total Dissolved Solids	500 mg/l	46	46 to 46	Mar-16

	Average	**Range of Detection**
Fluoride (added for dental health)	0.8	0.61 to 1.08
Sodium (EPA guidance level = 20 mg/L)	8.4	8.37 to 8.37

2016 Violations

Violation	Begin Date	End Date	Explanation
2017-9951184 (HAA)	10/1/2016	12/31/2016	Exceeded MCL. We are investigating solutions. Public notification issued.

2017-9951185 (TTHM)	10/1/2016	12/31/2016	Exceeded MCL. We are investigating solutions. Public notification issued.
2016-9951183 (TTHM)	7/1/2016	9/30/2016	Exceeded MCL. We are investigating solutions. Public notification issued.
2016-9951182 (HAA)	7/1/2016	9/30/2016	Exceeded MCL. We are investigating solutions. Public notification issued.
2016-9951179 (TTHM)	4/1/2016	6/30/2016	Exceeded MCL. We are investigating solutions. Public notification issued.
2016-9951178 (HAA)	4/1/2016	6/30/2016	Exceeded MCL. We are investigating solutions. Public notification issued.
2016-9951177 (TTHM)	1/1/2016	3/31/2016	Exceeded MCL. We are investigating solutions. Public notification issued.
2016-9951176 (HAA)	1/1/2016	3/31/2016	Exceeded MCL. We are investigating solutions. Public notification issued.

HAA & TTHM. During all four quarters of 2016 we exceeded the MCL for TTHM and HAA. 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 years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

Violation 2016-9951181

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 7/2/2016 – 7/26/2016, we did not complete all monitoring by failing to report or correctly report testing for Cryptosporidium. Therefore, we could not verify the quality of your drinking water to the primacy agency during that time.

According to National Primary Drinking Water Regulations we are required to monitor the source of your drinking water for Cryptosporidium in order to determine whether treatment at the water treatment plant is sufficient to adequately remove Cryptosporidium from your drinking water. Systems must conduct source water monitoring for each plant that treats a surface water source.

Systems required to conduct source water monitoring must submit a sampling schedule that specifies the calendar dates when the system will collect each required sample. Systems must submit sampling schedules for the second round of source water monitoring to the State no later than 3 months prior to the applicable date to begin sampling.

There are no potential adverse health effects related to the reporting violation, no population is at risk, and there is no need to use alternative water supplies. We failed to submit our sampling schedule for Cryptosporidium by the required deadline. A sampling schedule has since been submitted.

Violation 2016-9951186

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 12/1/2016 – 12/31/2016 we did not complete all monitoring by failing to report or correctly report testing for Carbon, Total. Therefore, we could not verify the quality of your drinking water to the primacy agency during that time.

We failed to submit the report showing we performed the required Carbon, Total testing during 12/1/2016 – 12/31/2016. The report has since been submitted.

There is nothing you need to do. We failed to submit the report at the appropriate time. The report has since been submitted.

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.

This report will not be mailed unless requested. Copies are available at our office. If you desire a copy to be mailed to you please contact our office.

Consumer Confidence Report (CCR) Certification

PWS Name: Martin County Water District PWSID#: KY0800273 Population Served: 9,504

I, the undersigned, certify that our system's Consumer Confidence Report for calendar year 2016 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 monitoring data previously submitted to the Division of Water.

1. **CCR main/primary distribution method:** [ ] Mailed [Hand] [x] Delivered Electronic Delivery* Newspaper**

*Electronic Delivery list URL: www.krwa.org/2016ccr/martincounty.pdf

*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 customers along with a copy of the notification Good Faith Effort Dsitribution 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. Copy of [newspaper] page attached.

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):

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:

2. **CCR secondary/"Good faith" efforts (GFEs) to reach the non-bill-paying customers** (indicate methods used)

[ ] a)Posting the CCR on the Internet URL:

[ ] **(N/A with E-delivery as main distribution method)**
b)Delivering multiple copies to non-bill-paying consumers at apartments, rest homes, hospitals, schools, factories, & etc. (list locations).
[ ] c)Delivering to community organizations (attach list).
[ ] d)Posting the CCR or an announcement of its availability in public places (attach list of locations).
[x] e)Publishing CCR or an announcement of its availability in local newspaper (attach copy).
[ ] f)Advertising availability of the CCR in news media. (attach copy of announcement) **(N/A with E-delivery as main distribution method)**
[ ] g)Mailing CCR to postal patrons within the service area (attach zip codes used).
[ ] h)Other (attach description of additional methods used or explanation or use back of sheet).

Date CCR distributed to customers: Date CCR sent to Division of Water:

Name: John Mills Signature: Date:

Title: _____ _____ _____

_____ Phone: 606-298-3885 email: jmills@bellsouth.net

Address: 387 E Main St, Suite 140

Manager

City, State, Zip:: Inez, KY 41224

Mail CCR & certification to:

EEC - Division of Water
Drinking Water Compliance and Technical Assisstance Section
Attn: CCR
300 Sower Boulevard
Frankfort, KY 40601

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

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: _____ Date: _____

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

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:

Signature: _____ Date: _____

jdhammond58@outlook.com

From: Arianna Lageman <a.lageman@krwa.org>
Sent: Friday, March 31, 2017 10:13 AM
To: Joe Hammond
Subject: RE: Kermit Water Plant CCR 2017

Thanks!

Let me know when you receive Prestonsburg's as well.

I will get to putting Kermit's data in your table right now.

Arianna Lageman
Kentucky Rural Water Association
270-843-2291 (Office)
859-630-0075 (Cell)

From: Joe Hammond [mailto:jdhammond58@outlook.com]
Sent: Friday, March 31, 2017 10:07 AM
To: Arianna Lageman
Subject: Kermit Water Plant CCR 2017

Arianna...

Kermit's CCR for 2017.

Thanks

Joe

Martin County KY Rural Water Work schedule

People

Gary Larimore <g.larimore@krwa.org> May 22 at 5:13 PM
To jhammond58@bellsouth.net
CC Joe Burns, Tim Blanton

Joe: (please forward to Bill Harvey. I did not have his email address)
Please find attached the work schedule – timeline for the next several weeks for valve exercising and leak detection. I have also listed it below for your convenience.

Martin County Water District
Work Schedule
May 17, 2017 through June 9, 2017

Timeline for the Northeast to Northwest Quadrants:

Task # 1: Locate and Exercise Primary Isolation Valves and Main Lateral Valves

- **May 17 – May 26, 2017** - In preparation for the KRWA staff visit, (May 30 thru June 2[1] MCWD staff will locate valves and clean out all valve boxes in the Northeast and Northwest quadrants.
- **May 30, 2017** – A mid-afternoon planning meeting to coordinate activities for the week. Planning meeting to include: KRWA Staff - Tim Blanton; and MCWD Staff - Joe Hammond, Bill Harvey, John Mills, Rainbo Jude, and other selected MCWD staff.
- **May 31 – June 2, 2017**- Tim Blanton and two (2) assigned MCWD staff will focus on valve exercise and identification of portable flowmeter sites in preparation for future leak survey. KRWA will provide valve trailer and related tools to complete this task. The agreed upon portable flowmeter sites should be excavated and made ready for metering before the June 7 - 9 visit.

Task # 2: Leak Detection - Discovery

- **June 6, 2017** – KRWA Staff Travel Day.
- **June 7 – 9, 2017** - Leak detection will be performed by two 3-man crews. Crew #1 will be led by Tim Blanton, with Jarrod Moore and one other MCWD staff; Crew #2 will be led by Danny Stinson, Rainbo Jude and one additional MCWD staff.
- **June 9, 2017** – Afternoon wrap-up meeting to fully document the total discovery of leaks and their locations. Begin plans to assess the manpower and resources needed to begin the coordination of Task # 3 - Repair crews.

KRWA will provide portable flowmeters, acoustic leak detection devices, and digital correlation devices as needed.

MCWD must provide availability of two vehicles for transportation for staff and equipment: main valve T wrenches, meter wrenches, pressure gauges, shovels etc. and mapping as needed.
MCWD staff should be prepared to use their acoustic devices.

MCWD should inform and coordinate with Tom Alley at the MCWD treatment plant to make sure that all water storage tanks are full the morning of the June 7 as leak detection begins, and that staffing is adequate for recovering tank levels overnight.

Subject: Kentucky Rural Association e-News

From: Kentucky Rural Water Association (kentuckyruralwater@krwa.org)

To: jhammond58@bellsouth.net;

Date: Wednesday, March 8, 2017 4:43 PM

Kentucky Rural Water

Contact Us

Kentucky Rural Water
3251 Spring Hollow Ave.
Bowling Green, KY 42104

Phone: (270) 843-2291
Web: www.krwa.org

KRWA eNews

2017 Management Conference

On February 15-16, representatives from utilities around Kentucky gathered in Bowling Green, Kentucky for the 2017 Management Conference at the Holiday Inn University Plaza & Sloan Convention Center.

This year's conference was attended by nearly 350 participants who took part in presentations that empowered them with an awareness of the leadership tools necessary to advance the goals of water and wastewater utilities. Forty-six tabletop exhibits enabled industry professionals to demonstrate the latest in supplies, materials, and services appropriate for utilities' needs.

Call for Presentations

Kentucky Rural Water Association would like to invite you to submit an application to present at the 38th Annual Conference and Exhibition being held August 28-30, 2017 at the Hyatt Regency Hotel & Lexington Convention Center in Lexington, Kentucky.

Please remember that the sessions should be devoid of advertisements and tailored to water and wastewater utility

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GIS for Rural & Small Utilities

This webinar series will focus on providing the business value of using a Geographic Information System to manage a rural water system. This three-part series includes introduction to GIS fundamentals, data conversion methods, solutions for water, taking it to the field and back, plus resources to get you started.

Part 1: GIS 101 for Rural Water Systems: 2 pm CST April 13th

For more information visit our website

KRWA Training

Kentucky Rural Water Association is offering the following class for continuing education credit for DW & WW Operators

Title: **Sustainable Management Workshop**

Date: **Wednesday, March 15, 2017**

Location: **Mountains Art Center**
50 Hal Rogers Drive
Prestonsburg, KY

Time: **8:00 a.m. - 3:00 p.m. ET**

Cost: **There is no tuition fee for this session but pre-registration is required.**

The objective of this workshop is to provide small and rural water and wastewater systems with beneficial tools to help address ongoing challenges to improve management practices and deliver the best quality service to their communities.

These workshops, jointly developed by the USEPA and the USDA, are intended to help rural and small utilities conduct utility assessments and develop action plans for improving utility management.

This one-day session will offer up to 6 hours of continuing education credit for drinking water operators.

A full list of training classes being offered by KRWA for 2017 can be downloaded from our website. For customized on-site

training - Contact the KRWA office for complete details on training classes delivered at your facility and designed to meet your utility's individual needs.

Welcome New Members

Green River Area Development District
Brad Alley
300 GRADD Way
Owensboro, KY 42301
PH: 270-926-4433
FX: 270-684-0714

Norbourne Associates, LLC
Paul Gracia
409 South Sherrin Avenue
Louisville, KY 40207
PH: 502-345-3706
Services or products: Cost of service, rate design

SGS North America, Inc
Debra McBride
1815 Island Creek Road
Pikeville, KY 41501
PH: 606-424-8251
Services or products: Wastewater testing

EMCOR Construction Services
Phil Teer
748 Constanza Drive
Henderson, KY 42420
PH: 812-582-0385
Services or products: Amr/AMI projects specializing in water meter & infrastructure replacement

Eclipse Engineers, PLLC
Alan Robinson
113 West Mt. Vernon Street
Somerset, KY 42501
PH: 606-451-0959
Services or products: Water/wastewater consulting

Post Classified Ads on krwa.org!

KRWA is happy to post any member's classified ad at No Cost on KRWA's website! Contact us at 270.843.2291 or email Pam Byrd at p.byrd@krwa.org

Kentucky Rural Water Association
3251 Spring Hollow Ave. Bowling Green, KY 42104
Phone: (270) 843-2291 | Fax: (270) 796-8623

Kentucky Rural Association e-News

Finance

Kentucky Rural Water Association <kentuckyruralwater@krwa.org> Mar 8 at 4:43 PM
To jhammond58@bellsouth.net

Kentucky Rural Water

Contact Us

Kentucky Rural Water
3251 Spring Hollow Ave.
Bowling Green, KY 42104

Phone: (270) 843-2291
Web: www.krwa.org

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Water University

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For more information visit our website

KRWA Training

Kentucky Rural Water Association is offering the following class for continuing education credit for DW & WW Operators

Top of Filter Change Request (3)

People

Joe Burns <j.burns@krwa.org> Mar 7 at 4:53 PM
To Joe Hammond

Joe-

Tom says the request looks good. Would you print the attached document on district letterhead for Tom's signature then email back to me. I want this to go out by Friday.

Thanks,

--
Joe Burns
Kentucky Rural Water Association
270-843-2291 (Office)
606-231-1818 (Cell)
"Helping Water and Wastewater Utilities Help Themselves"

Upcoming Events:
Operator EXPO
May 23-24, 2017
Glendale, Kentucky

38th Annual Conference & Exhibition
August 28-30, 2017
Lexington, Kentucky

2017 Re... .docx

Reply Reply to All Forward More

Joe Hammond Joe... I will do... Thanks Joe Sent from my iPhone Mar 7 at 6:14 PM

Joe Hammond <jhammond58@bellsouth.net> Mar 7 at 6:14 PM
To Joe Burns

Joe...

I will do...

Thanks

Joe

Sent from my iPhone

Show original message

<2017 Request Cl2 Feed Point Change and CT Benchmark Revised - Martin.docx>

Reply Reply to All Forward More

March 7, 2017

David Messer, Environmental Scientist IV
Kentucky Division of Water
Drinking Water Compliance and Technical Assistance
300 Sower Blvd.
Frankfort, KY 40601

RE: Chlorine Feed Point Change PWSID KY0080273

Dear Mr. Messer –

In accordance with the Protocol for Approving Disinfection Process Changes for the LT1SWTR and IESWTR, I am requesting approval to move the first point of chlorination from the flash mix to the top of filter (TOF). This change is critical to reducing disinfection by-product formation in the treatment process. Making this change affects the "contact time" (CT) compliance. Based upon the 2016 CT Benchmark data Greenup maintained compliance throughout the year. The "Lowest Log Achieved" monthly average was 6.56 and the lowest single day was 5.59.

Enclosed is the 2016 CT compliance benchmark documentation and analysis of how the proposed change will affect the current levels of disinfection CT. Changing the first point of chlorination affects CT compliance at the first customer which in this case is the water plant. CT-Values were calculated for the worst case scenario using the following set of conditions; lowest clearwell volume and chlorine concentration at the highest flow and pH during the coldest water temperature (Table 1). Based upon a scenario where the worst case conditions of 2016 coincided on the same day at 1.0-log inactivation; CT would have been achieved with 1.85-log. The same scenario with TOF chlorination; CT would have been achieved with 1.56-log.

2016 Worst Case Parameters											
Temp (°C)	Clearwell (ft)	Clearwell Tanks (ft)	pH	Flow (gpm)				Chlorine Residual (mg/L)			
				Zone 1	Zone 2	Zone 3	Zone 4	Zone 1	Zone 2	Zone 3	Zone 4
7.8	10.8	10.4	8.07	1400	1400	1400	1662	0.09	0.02	1.32	0.81
Min	Min	Min	Max	Max	Max	Max	Max	Min	Min	Min	Min

Table 1

Since cold water has a negative effect on achieving CT compliance the same scenario was analyzed using 0.5 °C with TOF chlorination (Table 2). By simulating this and other various conditions to the point of CT failure we learn the current operational limitations of the plant and treatment process.

Worst Case Summary

Temperature 7.8 °C		Temperature 0.5 °C	
1.0-log	0.5-log	1.0-log	0.5-log
1.853	3.706	0.939	1.877
Current Process		TOF Process	

Table 2

The plant operators strive to meet the 1.0-log inactivation as a water treatment goal, even though a 0.5-log inactivation is the minimum required by the Safe Drinking Water Act for conventional treatment under 40 CFR 141.700. This affords a margin of error to ensure public health is protected. By adopting operating limits (Table 3) based on worst case simulations the CT Rule even under the coldest conditions should always be met. The limits shown below are subject to change as treatment chemistry becomes optimized.

	CT Operating Parameters for 1.0 log at 0.5 °C		
	Parameter	Optimal	Limit
MAX	pH	8.0	>8.9
MAX	Zone 2 Flow Rate (GPM)	1,300	>1,500
MAX	Zone 3 Flow Rate (GPM)	1,300	>1,500
MAX	Zone 4 Flow Rate (GPM)	1,400	>1,600
MIN	Clearwell Volume as depth (ft)	10	<7.0
MIN	Clearwell Tanks Volume as Depth (ft)	27	<16
MIN	Zone 2 Chlorine Residual (mg/L)	0.4	<0.1
MIN	Zone 2 Chlorine Residual (mg/L)	1.5	<1.0
MIN	Zone 4 Chlorine Residual (mg/L)	1.5	<1.0

Table 3

I understand that upon moving the first point of disinfection to TOF that biologic monitoring through HPC sampling is required under LT1 and IESWTR. The expected chlorine dosage to be fed at the TOF is between 0.4 and 0.7 mg/L; just enough to maintain filter integrity and prevent biologic growth. I have reviewed the protocol established by the Cabinet and contacted our contract laboratory for analytical support. Additionally, chlorine demand will be tracked throughout the treatment process to optimize chlorine dosage.

Your timely response in this matter is greatly appreciated. Please contact me anytime if you need additional information.

Sincerely,

Tom Alley
Water Treatment Supervisor

Enclosure (7 pages)

Revised CAP

People

Joe Burns <j.burns@krwa.org> May 9 at 11:44 PM
To Joe Hammond

Joe -

Attached is the revised CAP for your review. Let me know if you see anything that needs to be changed. If you approve just print the cover page on district letterhead and sign before returning to me. I will then compile the supporting documentation and email the file to Philip.

Best Regards,

--

Joe Burns
Kentucky Rural Water Association
270-843-2291 (Office)
606-231-1818 (Cell)
"Helping Water and Wastewater Utilities Help Themselves"

Upcoming Events:
Operator EXPO
May 23-24, 2017
Glendale, Kentucky

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May 10, 2017

Division of Enforcement
ATTN: Mr. Philip Kejzlar
Environmental Enforcement Specialist
300 Fair Oaks Lane
Frankfort, KY 40601

RE: DOW-150292
PWSID# KY0800273

Dear Mr. Kejzlar,

Please find enclosed the 1st revised Corrective Action Plan (CAP) for the Martin County Water District to address non-compliance issues with Disinfection By-Products (DBP) and to comply with required remedial measures as they appear in a DENF Agreed Order dated October 3, 2016. The CAP was amended from the CAP submitted on January 23, 2017 to better reflect the specific remedial measures and to update the deliverables.

We continue to take advantage of the Small Water System Assistance Program, which is a partnership between Kentucky Division of Water and Kentucky Rural Water Association (KRWA) to provide utilities with compliance assistance in solving DBP issues. KRWA technical assistance staff have evaluated the water treatment plant and made several recommendations that is reflected in the CAP. Their primary recommendations include; moving the chlorine feed to "top of filter;" evaluate different chemicals to improve organic carbon removal; and train our operational staff in process control methodology and leak detection.

The Martin County Utility Board leaders and staff are committed to solving this problem and returning to compliance as soon as possible. We look forward to working with the Cabinet in complying with the terms of the Agreed Order.

Feel free to contact me anytime if you have questions.

Sincerely,

Joe Hammond
Joe Hammond, Business Manager
Martin County Water District

Martin County Water District

Disinfection By-Product
1st Revised Corrective Action Plan
May 10, 2017
Case No. DOW 150292

Corrective Action:

This 1st revised Corrective Action Plan (CAP) replaces the CAP submitted in January 23, 2017. It is designed to take advantage of all available resources to address disinfection by-product issues from the source to distribution. Following is a list of actions that will be taken by Martin County personnel to comply with required remedial measures in the Executed Agreed Order.

Determine if Disinfection By-Products (DBP) are being formed in distribution or if the DBPs are elevated at the treatment plant.

Action Item:

TTHMs and HAA5s are being formed during the water treatment plant process and concentrations vary throughout the Martin County distribution system due to expected water age. This determination is based upon compliance monitoring and special sampling. The Stage 2 sample results and compliance history is summarized in the tables below.

Martin Co Water District

TTHMs

	2015				2016			
	Qrt 1	Qrt 2	Qrt 3	Qrt 4	Qrt 1	Qrt 2	Qrt 3	Qrt 4
SM8	0.039	0.049	0.121	0.098	0.045	0.076	0.132	0.100
SM7	0.036	0.064	0.144	0.101	0.054	0.088	0.121	0.129
TPA	0.022	0.010	0.080	0.052	0.026	0.036		0.028
LRAA	Qrt 1	Qrt 2	Qrt 3	Qrt 4	Qrt 1	Qrt 2	Qrt 3	Qrt 4
SM8	0.047	0.040	0.066	0.077	0.078	0.085	0.088	0.088
SM7	0.094	0.088	0.081	0.086	0.091	0.097	0.091	0.098

HAA5s

	2015				2016			
	Qrt 1	Qrt 2	Qrt 3	Qrt 4	Qrt 1	Qrt 2	Qrt 3	Qrt 4
SM8	0.057	0.056	0.067	0.058	0.066	0.103	0.076	0.063
SM7	0.062	0.066	0.022	0.038	0.063	0.102	0.040	0.014
TPA	0.038	0.034	0.036	0.043	0.030	0.057		0.058
LRAA	Qrt 1	Qrt 2	Qrt 3	Qrt 4	Qrt 1	Qrt 2	Qrt 3	Qrt 4
SM8	0.099	0.077	0.070	0.060	0.062	0.074	0.076	0.077
SM7	0.104	0.076	0.070	0.047	0.047	0.056	0.061	0.055

Submit a Corrective Action Plan (CAP) based upon monitoring data. The CAP shall outline steps Martin County shall take to return to compliance with DBP parameters and shall include implementation dates for the corrective actions and a date by which the facility shall be in compliance with DBP parameters for four consecutive quarters.

Action Item:

Additional sampling will be needed in the distribution system to better determine locations of increased DBP formation. DBP concentrations vary throughout the distribution system as shown above. Martin County tank operations and system zones need to be analyzed to determine the critical points for sampling.

The District will request assistance from the Division of Water Compliance & Technical Assistance Program (CTAP) to perform additional DBP profile monitoring. This data will be used to assess the effectiveness of the correction action items. An official request for assistance will be sent to the Division of Water within 15 days of the Corrective Action Plan being approved.

In addition to the sampling assistance request, the district will initiate a Biofilm Investigation: Biofilms are non-pathogenic bacteria that are not uncommon to water distribution systems. These bacteria create a medium which promotes secondary THM formation. Many of the problems bacteria cause can be categorized under two broad headings: (1) corrosion and (2) bio-fouling. Biological Activity Reaction Test kits (BART) are semi-quantitative tests that allow determination of the presence and aggressiveness of certain nuisance bacteria in samples. Samples will be collected by June 30, 2017. Test results will be included in the quarterly progress report.

1) The following projects are being evaluated or determined to be feasible for reducing DBPs but are dependent upon acquisition of funding. Funding sources being sought include SRF, CDBG and ARC.
    a. Clearwell aeration (estimated cost - $10,000)
    b. Clearwell diffusion pipe repair (estimated cost - $5,000)
    c. Clarifier cover (estimated cost - $200,000)
    d. Filter at reservoir intake to control organics/siltation - $20,000)

    Updates will be provided in the quarterly reports.

2) Collect special samples at the plant tap to coincide with Stage 2 compliance sample collection. This has been ongoing since Stage 2 began. Special samples will continue as a measure of improvement until the system is consistently in compliance with DBPs.

3) CT Values have been revised and indicate that the first point of chlorination can be moved to filtration. A revised CT evaluation was submitted to the Cabinet March 8, 2017. On March 14, 2107 the Top of Filter (TOF) chlorination was tentatively approved pending submittal of a feed system sketch. The rationale is to ensure that TOF chlorine is thoroughly mixed in the hydro-treater. C.I. Thornburg has been retained to design the feed system. The sketch is expected by May 31, 2017.

4) Perform process control methodology training for our operational staff by August 31, 2017.

5) Jar testing alternate chemical treatment processes with chemical suppliers began in November 2016. As of May 2017 two water treatment consultants have submitted proposals. Martin County requests that the attached proposals be reviewed for approval to conduct pilot testing as soon as possible. Ideally, testing would begin June 1, 2017. Both proposals address DBP formation in the treatment process and corrosion control for distribution. Each of these strategies has proven successful at other drinking water utilities in Kentucky.

6) The final pilot results from two 90 day trials should be received by mid December 2017. The effectiveness of each treatment program will be evaluated by the end of the month and the selected process will be implemented February1, 2018.

7) An initial DBP profile assessment was performed in September 2016 (copies included). A request for assistance from the Compliance & Technical Assistance Branch will be submitted no later than 60 days from initiation of the treatment process changes following the pilot studies implementation. This data will be used to assess the effectiveness of the treatment process changes.

8) Booster chlorination is not utilized.

9) A system map will be generated designating critical points in distribution processes. Special samples will be taken to assess the critical storage tanks. These sample results along with evaluating tank turnover (use of chart recorders) to assess water age will be used to design for future special sample protocol and improve the effectiveness of our flushing program. This will be completed by August 31, 2017.

10) Martin County will consider the Targeted Technical Assistance or DBP Performance Based Training.

11) Martin County expects to return to compliance by December 31, 2019.

MATTHEW G. BEVIN
GOVERNOR

CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

AARON B. KEATLEY
COMMISSIONER

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

March 8, 2017

Joe Hammond
Martin Co. Water Dist.
HC 69 BOX 875
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. Hammond:

The Division of Water has reviewed the Corrective Action Plan (CAP) submitted on January 23, 2017, and provided the following comments. Please make any necessary revisions and resubmit the CAP to me within 30 days.

The CAP does little to address DBP concerns. It gives a broad overview of how Martin Co. is going to address the problem but specifics are lacking. It indicates that DBPs are being formed in the treatment process, and a review of recent sampling results by the Drinking Water section confirms this determination.

1. The source point of DBP formation is the treatment process and it is not detailed in the CAP.
   - This should be noted and the actions necessary to fix the issue detailed.

2. MCWD states additional sampling needs to be conducted in the distribution system.
   - Timelines of this sampling plan should be included in the CAP.

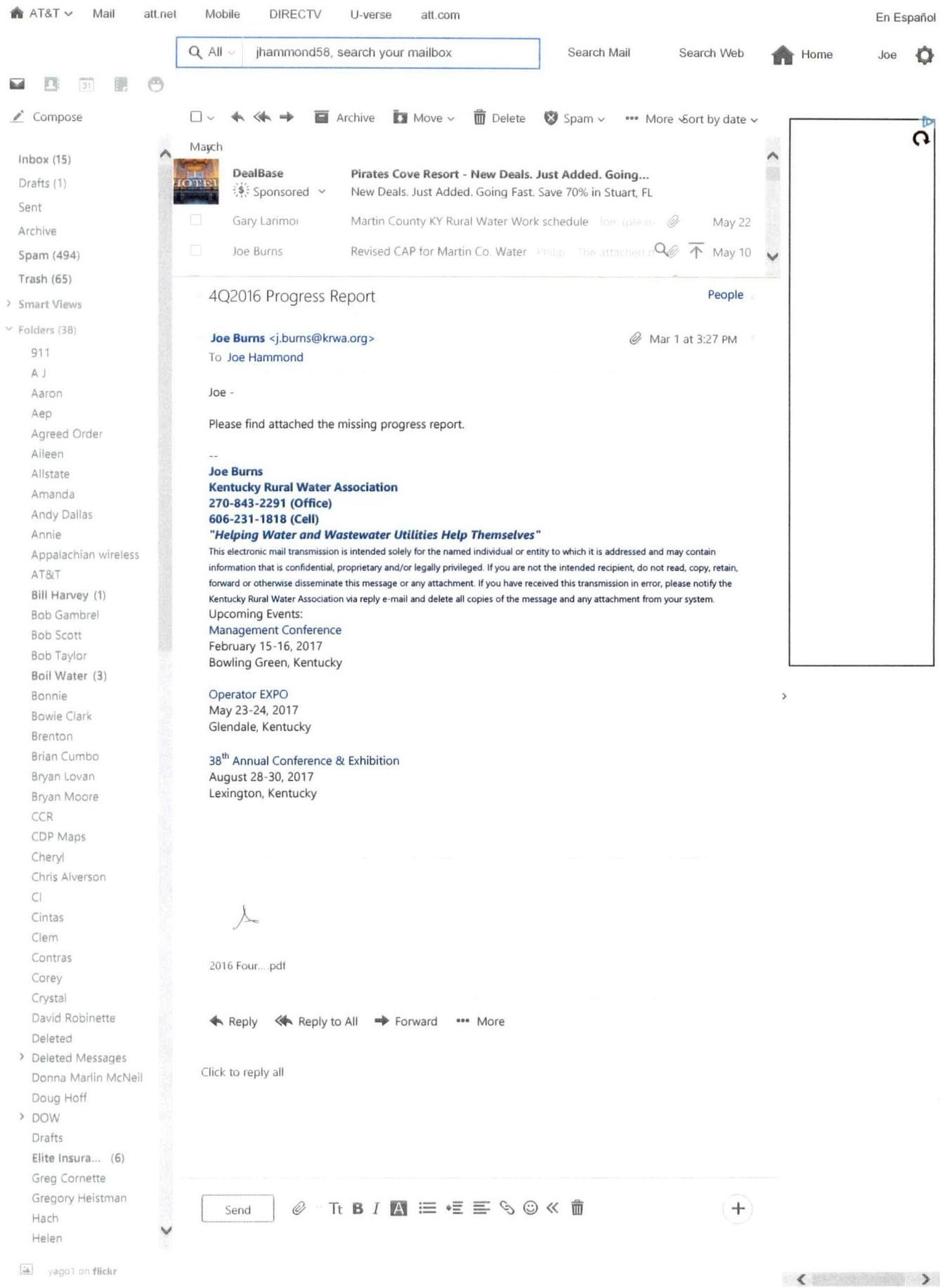
3. Facility projects are listed but are dependent on funding.
   - Plans to seek funding and types of funding should be outlined in the CAP.

4. CT evaluation was to be submitted by February 1, 2017.
   - No submission has been received.

5. By March 31, 2017, MCWD is to perform a process control methodology training for their operators.
   - Details on this training should be provided in the quarterly update.

6. Jar Testing.
   - The CAP should outline what they are jar testing for (TOC reduction?)
   - Results/data of jar testing that began in November 2016, should be submitted with the quarterly report.

7. Pilot test.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New Deals. Just Added. Going Fast. Save 70% in Stuart, FL
Gary Larimor
Martin County KY Rural Water Work schedule
May 22
Joe Burns
Revised CAP for Martin Co. Water
May 10
4Q2016 Progress Report
People
Joe Burns <j.burns@krwa.org>
Mar 1 at 3:27 PM
To Joe Hammond
Joe -
Please find attached the missing progress report.
--
Joe Burns
Kentucky Rural Water Association
270-843-2291 (Office)
606-231-1818 (Cell)
"Helping Water and Wastewater Utilities Help Themselves"
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Martin County Water District
Disinfection By-Product
Fourth Quarter 2016
Progress Report
Case No. – DOW 150292

January 15, 2017

1) Submittal(s) for Agreed Order:

Corrective action plan (CAP) is being developed. The CAP should be submitted by January 31, 2017.

2) Disinfection By-Product Monitoring Data (results enclosed):

The local running annual average for both Trihalomethane and Haloacetic Acids remain above the MCL in this quarter at 0.098 mg/L and 0.077 mg/L, respectively. DBP sample projections for the first quarter 2017 show that compliance cannot be achieved.

THM Routine Sample Results								
Site	1Q15	2Q15	3Q15	4Q15	1Q16	2Q16	3Q16	4Q16
SM7	0.036	0.064	0.144	0.101	0.054	0.088	0.121	0.129
LRAA	0.094	0.088	0.081	0.086	0.091	0.097	0.091	0.098
SM8	0.039	0.049	0.121	0.098	0.045	0.076	0.132	0.100
LRAA	0.047	0.040	0.066	0.077	0.078	0.085	0.088	0.088

HAA Routine Sample Results								
Site	1Q15	2Q15	3Q15	4Q15	1Q16	2Q16	3Q16	4Q16
SM7	0.062	0.066	0.022	0.038	0.063	0.102	0.040	0.014
LRAA	0.104	0.076	0.070	0.047	0.047	0.056	0.061	0.055
SM8	0.057	0.056	0.067	0.058	0.066	0.103	0.076	0.063
LRAA	0.099	0.077	0.070	0.060	0.062	0.074	0.076	0.077

Special Sample Results									
Site	Parameter	1Q15	2Q15	3Q15	4Q15	1Q16	2Q16	3Q16	4Q16
Plant	THM	0.022	0.010	0.080	0.052	0.026	0.036	Missed	0.028
Tap	HAA	0.038	0.034	0.036	0.043	0.03	0.057	Missed	0.058

We received the results on October 17, 2016 from special samples collected by DOW on September 15, 2016. Samples were collected to profile DBP formation in the treatment process. Results show that DBP's are created in the treatment plant.

3) Distribution Flushing :

There was no significant flushing performed this quarter. System wide maintenance flushing cannot be performed due to excessive water loss.

4) Tank Turnover:

The District operates 12 storage tanks, but cannot lower water levels due to system demand and water loss

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Archive
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Greg Cornette
Gregory Heistman
Hach
Helen

yago1 on flickr

Response to DOW (2)

People

jhammond58 <jhammond58@bellsouth.net> Mar 30 at 9:21 AM
To Joe Burns

Joe...

Please comment as to the direction of response.

Thanks

Joe

Response... .pdf

Reply Reply to All Forward More

Joe Burns <j.burns@krwa.org> Mar 30 at 8:21 PM
To Joe Hammond

I'll work on it.

Sent from my BlackBerry - the most secure mobile device

From: jhammond58@bellsouth.net
Sent: March 30, 2017 8:21 AM
To: j.burns@krwa.org
Reply-to: jhammond58@bellsouth.net

Show original message

Reply Reply to All Forward More

Click to reply all

Send

Inbox (15)
Drafts (1)
Sent
Archive
Spam (494)
Trash (65)
Smart Views
Folders (38)
911
A J
Aaron
Aep
Agreed Order
Aileen
Allstate
Amanda
Andy Dallas
Annie
Appalachian wireless
AT&T
Bill Harvey (1)
Bob Gambrel
Bob Scott
Bob Taylor
Boil Water (3)
Bonnie
Bowie Clark
Brenton
Brian Cumbo
Bryan Lovan
Bryan Moore
CCR
CDP Maps
Cheryl
Chris Alverson
CI
Cintas
Clem
Contras
Corey
Crystal
David Robinette
Deleted
Deleted Messages
Donna Marlin McNeil
Doug Hoff
DOW
Drafts
Elite Insura... (6)
Greg Cornette
Gregory Heistman
Hach
Helen

yago1 on flickr

Sampling Alert

People

Clem Wethington <c.wethington@krwa.org> Feb 14 at 11:36 AM
To Tom Alley, Joe Hammond

Stage 2 Sampling Alert

Your water system is scheduled to collect Stage 2 THM & HAA samples during the fourth full week of February (this month has only three full weeks). Please confirm that you have made all necessary preparations and arrangements.

--
Clem Wethington

office 270-843-2291
fax 270-796-8623

Reply Reply to All Forward More

Click to reply all

Send

Agreed Order Quarterly Report

People

Joe Burns <j.burns@krwa.org> Jan 9 at 5:22 PM
To @

Happy New Year!

In addition to receiving 3rd quarter violations it's time to submit the progress report as required by your Agreed Order. The deadline is January 15.

Concerning DBP violations: Due to staffing issues DOW has made the decision to no longer grant repeat PN extensions.

For those of you just receiving your executed A.O.: You should still submit a report even if only a letter confirming receipt of the executed agreement and that you are working on the corrective action plan.

For those of you back in compliance: If you have submitted a letter to be released from the A.O., but have not received approval you still need to complete the progress report.

I have attached an example progress report. The example covers items generally required by all of the A.O.s. Please review your A.O. to determine whether you have additional reporting requirements.

Donna McNeil (d.mcneil@krwa.org)and I are glad to assist you through the process. Contact us anytime.

Continued success,

Joe Burns
Kentucky Rural Water Association
270-843-2291 (Office)
606-231-1818 (Cell)
"Helping Water and Wastewater Utilities Help Themselves"

Upcoming Events

Management Conference
February 15 – 16, 2017
Holiday Inn University Plaza & Sloan Convention Center
Bowling Green, KY

Operator Expo
May 23 – 24, 2017
Hardin County Fairgrounds
Glendale, KY

Annual Conference
August 28 - 30, 2017
Hyatt Regency Hotel & Lexington Convention Center
Lexington, KY

Quarterl....docx

Reply Reply to All Forward More

Zone Meter Map

People

Joe Burns <j.burns@krwa.org> Mar 1 at 4:20 PM
To Brian Cumbo
CC Joe Hammond

Let me know if any changes are needed.
--
Joe Burns
Kentucky Rural Water Association
270-843-2291 (Office)
606-231-1818 (Cell)
"Helping Water and Wastewater Utilities Help Themselves"

Upcoming Events:
Management Conference
February 15-16, 2017
Bowling Green, Kentucky

Operator EXPO
May 23-24, 2017
Glendale, Kentucky

38th Annual Conference & Exhibition
August 28-30, 2017
Lexington, Kentucky

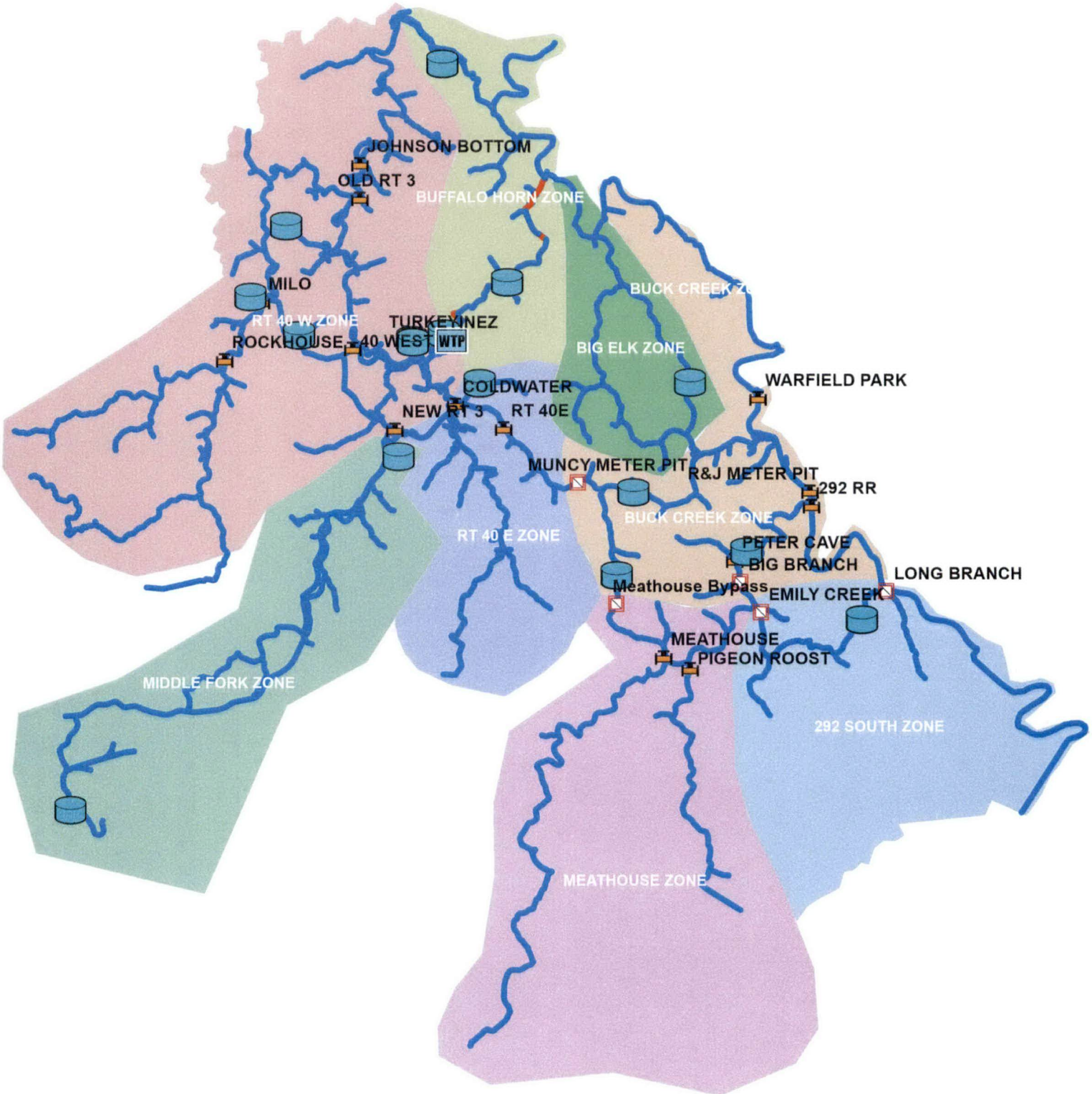
Martin Co....pdf

Reply Reply to All Forward More

Click to reply all

Send

M rtin County Water D trict
Meter Location Map



LEGEND

Infrastructure

- WTP — WTP
- WaterTank — WaterTank

Meter

- ZONE
- MONITOR

Water Line

- FINISHED
- RAW

Distribution Zone

- 292 SOUTH
- BIG ELK
- BUCK CREEK
- BUFFALO HORN
- MEATHOUSE
- MIDDLE FORK
- RT 40 E
- RT 40 W

Exhibit #5

Coal Severance Funds
Martin County

MARTIN COUNTY FISCAL COURT
ANALYSIS OF STATE GRANTS IN RELATION
Water District
For the Periods February 1, 2017 through July 13, 2017

2017	REVENUES
MONTH	COUNTY STATE GRANT FUNDS
JANUARY	-
FEBRUARY	699,712.00
MARCH	-
APRIL	-
MAY	-
JUNE	138,520.00
JULY	-
TOTAL	$ 838,232.00

Exhibit #6

Coal Severance Funds Allocated to Martin District

MARTIN COUNTY FISCAL COURT
ANALYSIS OF STATE GRANTS IN RELATION
TO MARTIN COUNTY WATER AND SANITATION DISTRICTS
For the Periods February 1, 2017 through July 13, 2017

2017	EXPENDITURES
MONTH	WATER DISTRICT
JANUARY	No Funds Received
FEBRUARY	No Funds Received
MARCH	No Funds Received
APRIL	No Funds Received
MAY	No Funds Received
JUNE	No Funds Received
JULY	No Funds Received
TOTAL	No Funds Received

Exhibit #7

Project Rejuvenate

KENTUCKY ENGINEERING GROUP, PLLC

Preliminary Project Cost Estimate

Project : KIA - Water System Improvements
Date : **Job No. :**
Revised : 06/16/17 **Est. By:** RET

ITEM NO.	SUMMARY OF: KIA- Water System Imrovements Project	QUANTITY NO. OF UNITS	UNIT MEAS.	COST PER UNIT		TOTAL COST
1	Radio Read Meters (System Wide)	3,600	EA	$ 175.00	LS	$ 630,000.00
2	Water Customer Service Line Replacement	1,000	EA	$ 1,000.00		$ 1,000,000.00
	(Beauty & Warfield Area)					
	SUBTOTAL AMOUNT					$ 1,630,000.00
	10% CONST. CONTINGENCY					$ 163,000.00
	ENGINEERING DESIGN		8.09%			$ 131,930.00
	RESIDENT INSPECTION		4.97%			$ 81,000.00
	LEGAL AND ADMINISTRATION					
	TOTAL ESTIMATED CONSTRUCTION COST					$ 2,005,930.00

KENTUCKY ENGINEERING GROUP, PLLC

Preliminary Project Cost Estimate

Project : Water System Improvements
Date : **Job No. :**
Revised : 06/16/17 **Est. By:** RET

ITEM NO.	SUMMARY OF: Water System Imrovements Project	QUANTITY NO. OF UNITS	UNIT MEAS.	COST PER UNIT		TOTAL COST
1	Raw Water Intake Modifications	1	LS		LS	$ 1,500,000.00
2	Existing Water Main Replacement					
	Turkey (KY 908) WTP to Turkey Tank)- 6"	8,500	LF	$ 20.00		$ 170,000.00
	Wolf Creek - Meathouse to Pigeon Roost - 6"	3,500	LF	$ 20.00		$ 70,000.00
	Town Point Curve - 6"	1,000	LF	$ 20.00		$ 20,000.00
3	Raw Water Transmission Main Extension to WTP					
	with New Reservoir Intake Structure	1	LS		LS	$ 950,000.00
4	System Wide SCADA/Telemetry System	1	LS		LS	$ 250,000.00
5	Water Customer Service Line Replacement					
	(Inez Area)	1000	EA	$ 1,000.00	EA	$ 1,000,000.00
	SUBTOTAL AMOUNT					$ 3,960,000.00
	10% CONST. CONTINGENCY					$ 396,000.00
	ENGINEERING DESIGN		6.91%			$ 273,750.00
	RESIDENT INSPECTION		3.71%			$ 147,000.00
	LEGAL AND ADMINISTRATION					
	TOTAL ESTIMATED CONSTRUCTION COST					$ 4,776,750.00

Exhibit #8

Amendment to Joint Operation Agreement

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

March 13, 2017

Public Service Commission
ATTN: David Spenard
P.O. Box 615
Frankfort, KY 40602

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

Dear Mr. Spenard:

Enclosed please find an original and five (5) copies of Martin County Water District's Supplemental Filing with the filed First Amendment to Joint Operation Agreement with Prestonsburg City's Utilities.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld
Enclosure
cc: Martin County Water District

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

MARTIN COUNTY WATER DISTRICT'S SUPPLEMENTAL FILING – FILED FIRST AMENDMENT TO JOINT OPERATION AGREEMENT – PRESTONSBURG CITY'S UTILITIES

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

February 16, 2017

Kipley J. McNally
Kipley J. McNally, PLC
2527 Nelson Miller Parkway
Suite 104
Louisville, KY 40223

RE: Filing No. **TFS2017-00038**
First Amendment to Joint Operation Agreement with Martin County Water District.

Dear Kipley J. McNally:

The above referenced filing has been received and reviewed. An accepted copy is enclosed for your files. You may also use the following link to access documents related to this filing.

http://psc.ky.gov/trf/TRFListFilings.aspx?ID=TFS2017-00038

Sincerely,

Talina R. Mathews

Talina R Mathews
Executive Director

FIRST AMENDMENT
TO
JOINT OPERATION AGREEMENT

THIS FIRST AMENDMENT TO JOINT OPERATOIN AGREEMENT dated as of the 1st day of January, 2017, by and between the MARTIN COUNTY WATER DISTRICT (hereinafter "District") and PRESTONSBURG CITY'S UTILITIES COMMISSION (hereinafter "PCUC") (collectively, as "parties").

RECITALS

WHEREAS, the parties entered into a certain Joint Operation Agreement, dated July 3, 2000 (hereinafter "Joint Operation Agreement"), which was filed by PCUC with the Kentucky Public Service Commission (hereinafter the "Commission") on July 11, 2007.

WHEREAS, the parties desire to modify certain provisions of the Joint Operation Agreement to adjust the rate for water charged under Sections 13 and 14 thereof.

NOW, THEREFORE, in consideration of the covenants and agreements set forth in the First Amendment and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties agree as follows:

1. The provisions in Sections 13 and 14 setting the water rates shall be deleted in its entirety and the following is substituted therefore:

First 112,000 gallons per month	$348.50
All over 112,000 gallons per month	$7.75 per 1,000 gallons

2. This First Amendment shall be filed by PCUC with the Public Service Commission subject to the Commission's jurisdiction and review.

KENTUCKY
PUBLIC SERVICE COMMISSION
Talina R. Mathews
EXECUTIVE DIRECTOR
Talina R. Mathews
EFFECTIVE
2/25/2017
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

3. The rate adjustment set forth herein shall become effective thirty (30) days after the date the First Amendment is filed with the Commission.

4. In all other respects, the parties hereto approve, confirm and ratify the terms and conditions of the Joint Operation Agreement.

This First Amendment is made as of the year and date first above written, and shall be effective as of that date without regard to the fact that execution hereof by the parties shall have been effected at the same or different times.

MARTIN COUNTY WATER DISTRICT

BY: William J. Harvey

ITS: CHAIRMAN

ATTEST:

Nita Collier

SECRETARY with limited seal

PRESTONSBURG CITY'S UTILITIES COMMISSION

BY: T E Campbell

TURNER E. CAMPBELL, SUPERINTENDENT/CEO

ATTEST:

JIMMY A. CALHOUN, CHAIRMAN OF THE PRESTONSBURG CITY'S UTILITIES COMMISSION

KENTUCKY
PUBLIC SERVICE COMMISSION

Talina R. Mathews
EXECUTIVE DIRECTOR

Talina R. Mathews

EFFECTIVE

2/25/2017

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was mailed, postage paid, on this the 13 day of March, 2017, to the following:

Public Service Commission
ATTN: David Spenard
P.O. Box 615
Frankfort, KY 40602

BRIAN CUMBO