COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

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ELECTRONIC INVESTIGATION INTO)	CASE NO.
EXCESSIVE WATER LOSS BY KENTUCKY'S	7	
JURISDICTIONAL WATER UTILITIES)	2019-00041

NOTICE OF FILING OF RESPONSES OF NORTH MANCHESTER WATER ASSOCIATION (NMWA) TO APPENDIX H – APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMISSION IN CASE NO. 2019-00041 DATED NOVEMBER 22, 2019

Comes NMWA, by and through its legal counsel, has attached its responses to Appendix H of the Order of the Kentucky Public Service Commission entered November 22, 2019, hereto.

ALL on this 23rd day of September, 2020.

Respectfully Submitted,

RALEIGH P. SHEPHERD ATTORNEY AT LAW

305 MAIN STREET

MANCHESTER, KENTUCKY 40962

TELEPHONE: (606) 599-0311 FACSIMILE: (606) 599-0344

E-MAIL: shepherdlawoffice@icloud.com

ATTORNEY FOR NMWA

VERIFICATION

Steve Davis, being duly sworn upon his oath deposes and states:

I am the President of NMWA and have read the responses to Appendix H of the Order entered by the Kentucky Public Service Commission on November 22, 2019; and the foregoing answers and responses to same are true and accurate according to the best of my knowledge, information and belief.

Steve Davis

COMMONWEALTH OF KENTUCKY,

COUNTY OF CLAY,

SUBSCRIBED, sworn to and acknowledged before me by STEVE DAVIS on this 23rd day of SEPTEMBER, 2020.

NOTARY PULIC, STATE AT LARGE

My Commission Expires: 09/13/2021.

ID#584571

North Manchester Water Association, Inc.

Public Service Commission Case No. 2019-00041

Responses

- a) Develop and implement a written policy regarding theft of water service; A written
 policy regarding theft of water has been developed and implemented. The policy directs
 the employee that finds the theft in progress take pictures of the device and or
 method of theft and contact the sheriff's office prior to removal of said device.
 - b) Amend its tariff to include the water theft policy and ensure that the tariff is enforced. Current tariff includes the following: See sheet 36 AD 2 and AD -3 dated 2/2/2019.
 - c) Develop and implement a set schedule for meter and valve testing as part of its leak detection and water loss mitigation plan; Approximately 20 meters per month are being tested and NMWA has budgeted to replace approximately 40 meters per month for the next 6 months.
 - d) Test all of its meters that are ten years old or older; Approximately 20 Meters per month are being tested.
 - e) Complete a comprehensive water audit; Please see attached. Exhibit e)
 - f) Provide documentation that it is enforcing its tariff regarding fire department usage reporting and assessing fines against any fire department that does not report its usage amounts; Please see attached. Exhibit f)
 - g) Develop and implement a written policies and procedures manual to include office and financial internal controls and protocols; See attached. Exhibit g)
 - h) Development and implement a written employee vehicle usage policy; **See Attached. Exhibit H)**
 - i) Develop and implement a written safety training schedule; and **See attached. Exhibit**i)
 - j) Conduct safety training at regular intervals; See attached. Exhibit J.

Exhibit E

Water Audit

We have gathered the information for the monthly water loss reports. We have concluded that the average water loss for 2019 is 4399%. The average water loss for 2020 is 45.99% through August 2020. The monthly water loss for July 2020 is 30.36 and the water loss for August 2020 is 19.27. Approximately 16 leaks were fixed for this month. Therefore, the water loss is trending to our goal of 20%.

The NMWA is currently average approximately 10 leaks fixed per month.

The master meters are read daily to help locate any possible daily leaks. This helps develop an average daily flow in the distribution system.

Water losses are occurring on the older asbestos cement mains and existing water mains that are over 30 years old. The service lines and connections on these mains are also common places for leaks.

The options at this point is to correct the areas with most leak occurrences. We are developing a project to include these most frequent leak areas. The benefits to replace is determined to be more beneficial compared to continuing making repairs once they have occurred. Even thought the economic impact to repair the entire area is most costly initially, it is less costly that continuing to pay for the excessive water loss.

We have determined that the North Manchester Water Association will solicit funding to replace old ageing waterlines instead of continuing to spot repair.

	North Manchester	r vvater Assn.	
of:	January	Year:	2019
LEFSTWAYS DESECTION	ITEM	GALI	LONS (Omit 000's)
ER PRODUCED AN	D PURCHASED		
r Produced			11.000
r Purchased		hand be	14,000
	TOTAL PRODUCED AND PURC	CHASED	14,000
			7,002
			7,002
_			
l Sales (explain)	TOTAL WATER	RSALES	7,002
FR WATER USED			
	ment Plant		
			52
			43
			05
	TOTAL OTHER WATE	ER USED	95
ER LOSS			
			5,072
			1,831
			1,001
er Loss (explain)	TOTAL WAT	FRIOSS	6,903
	TOTAL WATE	LIK EGGG	
a. Line 14 + Line 22	+ Line 31 MUST Equal Line 4		
S. LINE 14 T LINE ZZ	- Lind of the or Lagran Line ?		
TER LOSS PERCEN	ITAGE		
		1977	49.31%
	ER SALES dential mercial strial Loading Stations lesale ic Authorities or Sales (explain) ER WATER USED y and/or Water Treat tewater Plant em Flushing Department or Usage (explain) FER LOSS COverflows Breaks Leaks avation Damages ft or Loss (explain) e: Line 14 + Line 22 TER LOSS PERCEN	TOTAL WATER ER WATER USED y and/or Water Treatment Plant tewater Plant em Flushing Department er Usage (explain) TOTAL OTHER WATER TER LOSS k Overflows Breaks Leaks avation Damages ft er Loss (explain)	ITEM GAL ER PRODUCED AND PURCHASED TOTAL PRODUCED AND PURCHASED ER SALES dential mercial strial Loading Stations lesale ic Authorities or Sales (explain) TOTAL WATER SALES ER WATER USED y and/or Water Treatment Plant tewater Plant em Flushing Department or Usage (explain) TOTAL OTHER WATER USED TOTAL WATER LOSS Et Line 14 + Line 22 + Line 31 MUST Equal Line 4

Water L	Jtility:	North Manchester Water Assn.		
For the	Month of:	February	Year:	2019
		ITEM	GAL	LONS (Omit 000's)
LINE #	WATER PRODUCED			
1		AND FORGITAGED	761	
2	Water Produced		98000	11,995
3	Water Purchased	TOTAL PRODUCED AND PURCH	ASED	11,995
4		TOTALTRODUCED AND TOTAL		
5	WATER SALES			
6 7	Residential			10,885
8	Commercial			
9	Industrial		NEW A	
10	Bulk Loading Station	s		
11	Wholesale			
12	Public Authorities			
13	Other Sales (explain))		
14		TOTAL WATER S	SALES	10,885
15				
16	OTHER WATER US	ED		
17	Utility and/or Water	Freatment Plant		
18	Wastewater Plant			00
19	System Flushing		2.500	26
20	Fire Department			
21	Other Usage (explain	n)	LICED	26
22		TOTAL OTHER WATER	USED	20
23				
24	WATER LOSS		To the second	
25	Tank Overflows			147
26	Line Breaks			937
27	Line Leaks	_		
28	Excavation Damage	S		
29	Theft			
30	Other Loss (explain)	TOTAL WATER	LOSS	1,084
31		1011.1		
32	Note: Line 14 + Line	e 22 + Line 31 MUST Equal Line 4		
33 34	NOTE: LINE IT - LINE			
35	WATER LOSS PER	CENTAGE		
36	(Line 31 divided by			9.04%

1 WATER PRODUCED AND PURCHASED 2 Water Produced 3 Water Purchased 4 TOTAL PRODUCED AND PURCHASED 5 6 WATER SALES	North Manchester Water Assn.		
1 WATER PRODUCED AND PURCHASED 2 Water Produced 3 Water Purchased 4 TOTAL PRODUCED AND PURCHASED 5 6 WATER SALES			
1 WATER PRODUCED AND PURCHASED 2 Water Produced 3 Water Purchased 4 TOTAL PRODUCED AND PURCHASED 5 6 WATER SALES	it 000's)		
Water Produced Water Purchased TOTAL PRODUCED AND PURCHASED WATER SALES			
Water Purchased TOTAL PRODUCED AND PURCHASED WATER SALES			
TOTAL PRODUCED AND PURCHASED WATER SALES	13,057		
5 6 WATER SALES	13,057		
6 WATER SALES			
7 Residential	6,101		
8 Commercial			
9 Industrial			
10 Bulk Loading Stations			
11 Wholesale			
12 Public Authorities			
13 Other Sales (explain)	0.101		
14 TOTAL WATER SALES	6,101		
15			
16 OTHER WATER USED			
17 Utility and/or Water Treatment Plant			
18 Wastewater Plant			
19 System Flushing	50 38		
20 Fire Department	30		
21 Other Usage (explain)	88		
TOTAL OTHER WATER USED	00		
23			
24 WATER LOSS			
25 Tank Overflows	1,831		
26 Line Breaks	5,037		
27 Line Leaks	3,007		
28 Excavation Damages			
29 Theft			
30 Other Loss (explain)	6,868		
31	0,000		
32 33 Note : Line 14 + Line 22 + Line 31 MUST Equal Line 4			
34 35 WATER LOSS PERCENTAGE			
35 WATER LOSS PERCENTAGE (Line 31 divided by Line 4)	52.60%		

Water L	Jtility: No	North Manchester Water Assn.		
For the	Month of: April	Year:	2019	
LINE#	ITEM	GA	LLONS (Omit 000's)	
1	WATER PRODUCED AND PURCHASED			
2	Water Produced	Control of the Contro		
3	Water Purchased		13,818	
4		ED AND PURCHASED	13,818	
5				
6	WATER SALES			
7	Residential	8.41	7,423	
8	Commercial	780 H		
9	Industrial			
10	Bulk Loading Stations			
11	Wholesale			
12	Public Authorities	65124		
13	Other Sales (explain)		7 400	
14	T	OTAL WATER SALES	7,423	
15				
16	OTHER WATER USED			
17	Utility and/or Water Treatment Plant			
18	Wastewater Plant		116	
19	System Flushing		110	
20	Fire Department			
21	Other Usage (explain)	OTHER WATER HEED	116	
22	TOTAL	OTHER WATER USED	110	
23				
24	WATER LOSS			
25	Tank Overflows		The grant for each of the con-	
26	Line Breaks	100	6,274	
27	Line Leaks		5	
28	Excavation Damages	100		
29	Theft Other Loss (explain)			
30	Other Loss (explain)	TOTAL WATER LOSS	6,279	
31				
32 33	Note: Line 14 + Line 22 + Line 31 MUST Equ	al Line 4		
33 34	TOTAL CHIO IN . EITO EE . EITO C. III SO . III SO .			
35	WATER LOSS PERCENTAGE			
36	(Line 31 divided by Line 4)		45.44%	

Water U	Jtility:	North Manchester Water Assn.		
For the Month of:		May	Year:	2019
LINE#		ITEM	GALI	LONS (Omit 000's)
1	WATER PRODUCED	AND PURCHASED		
2	Water Produced			
3	Water Purchased			15,751
4		TOTAL PRODUCED AND PURCH	IASED	15,751
5				
6	WATER SALES			7.000
7	Residential			7,289
8	Commercial			
9	Industrial			
10	Bulk Loading Stations			
11	Wholesale			
12	Public Authorities			
13	Other Sales (explain)	TOTAL WATER	SALES	7,289
14		TOTAL WATER	SALES	7,200
15	OTHER WATER HEE			
16	OTHER WATER USE			
17	Utility and/or Water Tro Wastewater Plant	eatment Flant		
18				70
19 20	System Flushing Fire Department			32
21	Other Usage (explain)		2001/86	
22	Other Osage (explain)	TOTAL OTHER WATER	USED	102
23				
24	WATER LOSS			
25	Tank Overflows			
26	Line Breaks			7,301
27	Line Leaks			1,059
28	Excavation Damages			
29	Theft			
30	Other Loss (explain)			2.000
31		TOTAL WATER	RLOSS	8,360
32				
33	Note: Line 14 + Line 2	22 + Line 31 MUST Equal Line 4		
34				
35	WATER LOSS PERC			53.08%
36	(Line 31 divided by Lir	ne 4)		55.067

Water Utility: For the Month of:		North Manchester Water Assn.		
		June	ear: 2019	
LINE#		ITEM	GALLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED		
2	Water Produced			
3	Water Purchased		13,922	
4		TOTAL PRODUCED AND PURCHA	SED 13,922	
5				
6	WATER SALES			
7	Residential		11,577	
8	Commercial			
9	Industrial			
10	Bulk Loading Stations	5		
11	Wholesale			
12	Public Authorities			
13	Other Sales (explain)	TOTAL WATER SA	ALES 11,577	
14		TOTAL WATER SA	11,011	
15	OTHER WATER USI	ED.		
16	Utility and/or Water T			
17	Wastewater Plant	realment Flant		
18	System Flushing		15	
19 20	Fire Department		1	
21	Other Usage (explain	1)		
22	Other Osage (explain	TOTAL OTHER WATER U	JSED 16	
23				
24	WATER LOSS			
25	Tank Overflows			
26	Line Breaks		1,384	
27	Line Leaks		945	
28	Excavation Damages	6		
29	Theft			
30	Other Loss (explain)		2220	
31		TOTAL WATER	_OSS 2,329	
32		On the Od MILOT Francis Line A		
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4		
34		AENTA OF		
35	WATER LOSS PER		16.73%	
36	(Line 31 divided by l	ine 4)	10.7370	

Water U	Jtility:	North Manchester Water Assn.		
For the	Month of:	July	Year:	2019
LINE#		ITEM	GAL	LONS (Omit 000's)
LINE #	WATER PRODUCED			
1	Water Produced	ANDIONOLO	5/15/16	
2 3	Water Purchased		The same	14,257
4	VValer Furchased	TOTAL PRODUCED AND PURCH	ASED	14,257
		TOTALTITODOCE		
5 6	WATER SALES			
7	Residential			7,556
8	Commercial			
9	Industrial		NEXT.	
10	Bulk Loading Stations	3		
11	Wholesale		(45%)	
12	Public Authorities			
13	Other Sales (explain)			
14	,	TOTAL WATER S	SALES	7,556
15				
16	OTHER WATER US	ED .		
17	Utility and/or Water T	reatment Plant		
18	Wastewater Plant			
19	System Flushing			63
20	Fire Department			50
21	Other Usage (explain	n)		110
22		TOTAL OTHER WATER	USED	113
23				
24	WATER LOSS			
25	Tank Overflows			6
26	Line Breaks			6,582
27	Line Leaks			0,302
28	Excavation Damages	8		
29	Theft			
30	Other Loss (explain)	TOTAL WATER	11000	6,588
31		TOTAL WATER	LU33	0,000
32	New Albert Advitor	22 Line 21 MUST Faugli ing 4		
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4		
34	WATER : 000 PER	CENTACE		
35	WATER LOSS PER			46.21%
36	(Line 31 divided by L	ine 4)	The second second	10.2170

Water l	Utility:	North Manchester Water Assn.		
For the	Month of:	August	Year:	2019
LINE#		ITEM	GALI	_ONS (Omit 000's)
1	WATER PRODUCED			
2	Water Produced			
3	Water Purchased		1000	16,725
4	VValer i dichased	TOTAL PRODUCED AND PURCH	ASED	16,725
5				
6	WATER SALES			
7	Residential			9,843
8	Commercial			
9	Industrial			
10	Bulk Loading Station	s		
11	Wholesale			
12	Public Authorities			
13	Other Sales (explain)			0.040
14		TOTAL WATER S	ALES	9,843
15				
16	OTHER WATER US			
17	Utility and/or Water	Freatment Plant		
18	Wastewater Plant			155
19	System Flushing			50
20	Fire Department			30
21	Other Usage (explain	n)TOTAL OTHER WATER	LISED	205
22		TOTAL OTHER WATER	USED	200
23	WATER LOSS			
24	WATER LOSS			
25	Tank Overflows Line Breaks			6
26			Tomas .	6,671
27	Line Leaks Excavation Damage	9	annen.	
28 29	Theft	3	101.00	
30	Other Loss (explain)		W. 14	
31	Other Lood (Oxpidii)	TOTAL WATER	LOSS	6,677
32				
33	Note: Line 14 + Line	e 22 + Line 31 MUST Equal Line 4		
34				
35	WATER LOSS PER	CENTAGE		
36	(Line 31 divided by		4	39.92%

Water Utility:		North Manchester Water Assn.		
For the	Month of:	September	Year:	2019
		ITEM	GAL	LONS (Omit 000's)
LINE #	WATER PROPUSE	ITEM	CAL	LONG (Office dod 3)
1		O AND PURCHASED		
2	Water Produced			17,276
3	Water Purchased	TOTAL PRODUCED AND PURCH	IASED	17,276
4		TOTAL PRODUCED AND FORCE	AOLD	.,,,
5	WATER OAL EC			
6	WATER SALES			7,827
7	Residential		2000	
8	Commercial			
9	Industrial			
10	Bulk Loading Station Wholesale	5		
11 12	Public Authorities			
13	Other Sales (explain))		
14	Other Sales (explain)	TOTAL WATER S	SALES	7,827
15				
16	OTHER WATER US	ED		
17	Utility and/or Water			
18	Wastewater Plant		Fig.	
19	System Flushing			155
20	Fire Department		SIQE H	
21	Other Usage (explain	n)		
22		TOTAL OTHER WATER	USED	155
23				
24	WATER LOSS			
25	Tank Overflows			90
26	Line Breaks			89
27	Line Leaks			9,205
28	Excavation Damage	es		
29	Theft			
30	Other Loss (explain)	TOTAL WATER	21088	9,294
31		TOTAL WATER	(LUSS	3,204
32		22 Line 21 MUST Equal Line 4		
33	Note: Line 14 + Line	e 22 + Line 31 MUST Equal Line 4		
34	WATER ! 000 DEE	CENTAGE		
35 36	WATER LOSS PER		0.00	53.80%
30	in the 31 divided by I		The second secon	

Water l	Jtility:	North Manchester Water Assn.		
For the	Month of:	October	Year:	2019
LINE#		ITEM	GAL	LONS (Omit 000's)
1	WATER PRODUCED			
2	Water Produced			
3	Water Purchased			18,048
4	VValer i dicinasca	TOTAL PRODUCED AND PURCH	ASED	18,048
5				
6	WATER SALES			
7	Residential			8,648
8	Commercial			
9	Industrial			
10	Bulk Loading Stations	5		
11	Wholesale			
12	Public Authorities			
13	Other Sales (explain)		100	
14		TOTAL WATER S	SALES	8,648
15				
16	OTHER WATER USE	ED		
17	Utility and/or Water T	reatment Plant		
18	Wastewater Plant		1411.04	
19	System Flushing			9
20	Fire Department		7.10	
21	Other Usage (explain	n)	HOED	9
22		TOTAL OTHER WATER	USED	9
23				
24	WATER LOSS			
25	Tank Overflows			820
26	Line Breaks			8,571
27	Line Leaks			0,071
28	Excavation Damages	8		
29	Theft			
30	Other Loss (explain)	TOTAL WATER	LOSS	9,391
31		TOTAL WATER	LOGG	0,001
32	Make High did at time	22 + Line 31 MUST Found Line 4		
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4		
34	WATER ! 000 PER	CENTAGE		
35	WATER LOSS PER		E-0. (1)	52.03%
36	(Line 31 divided by L	Line 4)		02.3070

Water Utility:		North Manchester Water Assn.			
For the	Month of:	November	Year:	2019	
		ITEM	GAL	LONS (Omit 000's)	
LINE #	WATER PRODUCED			LEGITO (GIIII GGG G)	
1		AND PORCHASED			
2	Water Produced			19,798	
3	Water Purchased	TOTAL PRODUCED AND PURCH	IASED	19,798	
4		TOTAL PRODUCED AND TORRE			
5	WATER CALES				
6	Residential			8,394	
7	Commercial				
8 9	Industrial				
10	Bulk Loading Stations				
11	Wholesale				
12	Public Authorities				
13	Other Sales (explain)				
14	Other Galos (GAPIGIT)	TOTAL WATER	SALES	8,394	
15					
16	OTHER WATER US	ED			
17	Utility and/or Water T	reatment Plant			
18	Wastewater Plant				
19	System Flushing			9	
20	Fire Department		71,012		
21	Other Usage (explain	n)	FIRE	•	
22		TOTAL OTHER WATER	RUSED	9	
23					
24	WATER LOSS				
25	Tank Overflows			100	
26	Line Breaks			11,295	
27	Line Leaks			11,290	
28	Excavation Damage	S			
29	Theft				
30	Other Loss (explain)	TOTAL WATER	21088	11,395	
31		TOTAL WATER	(LOGO	11,000	
32	Notes line 44 (line	22 + Line 31 MUST Equal Line 4			
33	Note: Line 14 + Line	ZZ + Lille 3 WOO! Equal Lille +			
34	WATER LOSS PER	CENTAGE			
35 36	(Line 31 divided by L		100	57.56%	
20	THE STUINICEU DV L		The second secon	The second secon	

Water Utility:		North Manchester Water Assn.			
For the	Month of:	December	Year:	2019	
LINE#		ITEM	GA	LLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED			
2	Water Produced				
3	Water Purchased			18,581	
4		TOTAL PRODUCED AND PURCH	HASED	18,581	
5					
6	WATER SALES				
7	Residential			8,861	
8	Commercial				
9	Industrial				
10	Bulk Loading Stations	s			
11	Wholesale				
12	Public Authorities				
13	Other Sales (explain)		CALEC	8,861	
14		TOTAL WATER	SALES	0,001	
15					
16	OTHER WATER US				
17	Utility and/or Water T	reatment Plant			
18	Wastewater Plant			9	
19	System Flushing		A		
20	Fire Department	-1			
21	Other Usage (explain	TOTAL OTHER WATER	USED	9	
22		TOTAL OTHER WATER	COLD		
23	WATER LOSS				
24	Tank Overflows				
25 26	Line Breaks			144	
27	Line Leaks			9,567	
28	Excavation Damages	8			
29	Theft				
30	Other Loss (explain)				
31	Other Edde (explain)	TOTAL WATER	RLOSS	9,711	
32					
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4			
34					
35	WATER LOSS PER	CENTAGE			
36	(Line 31 divided by L	ine 4)		52.26%	

Water Utility: For the Month of:		North Manchester Water Assn.			
		January	Year:	2020	
LINE#		ITEM	GALL	ONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED			
2	Water Produced				
3	Water Purchased		Managa Managa	17,992	
4		TOTAL PRODUCED AND PURCH.	ASED	17,992	
5					
6	WATER SALES			6 000	
7	Residential			6,888	
8	Commercial				
9	Industrial				
10	Bulk Loading Stations				
11	Wholesale				
12	Public Authorities		4000 100		
13	Other Sales (explain)	TOTAL WATER S	ALES	6,888	
14		TOTAL			
15 16	OTHER WATER USE	D			
17	Utility and/or Water Tr		Maria		
18	Wastewater Plant				
19	System Flushing			3	
20	Fire Department				
21	Other Usage (explain)				
22		TOTAL OTHER WATER	USED	3	
23					
24	WATER LOSS				
25	Tank Overflows			79	
26	Line Breaks			11,022	
27	Line Leaks			11,022	
28	Excavation Damages				
29	Theft				
30	Other Loss (explain)	TOTAL WATER	LOSS	11,101	
31		TOTAL WATER	2000	,,,,,,,,,,	
32	Nator Line 14 ± Line	22 + Line 31 MUST Equal Line 4			
33	Note: Line 14 + Line	22 - Lille of Moor Equal Lillo			
34	WATER LOSS PERG	ENTAGE			
35	(Line 31 divided by Li		25.75	61.70%	
36	[(Line 3) divided by L	110 4)			

		North Manchester Water Assn.			
For the Month of:		February	Year:	2020	
LINE#		ITEM	GAL	LONS (Omit 000's)	
	VATER PRODUCED	AND PURCHASED			
	Vater Produced				
- 1-	Vater Purchased			20,356	
4		TOTAL PRODUCED AND PURCH	HASED	20,356	
5					
	VATER SALES				
7 F	Residential			8,076	
8 0	Commercial				
9 1	ndustrial				
	Bulk Loading Stations				
	Vholesale				
	Public Authorities				
3.20	Other Sales (explain)	TOTAL WATER	CALEC	8,076	
14		TOTAL WATER	SALES	0,070	
15					
	OTHER WATER USE				
	Jtility and/or Water T	reatment Plant			
1000000	Nastewater Plant			5	
	System Flushing				
	Fire Department	\			
	Other Usage (explain	TOTAL OTHER WATER	RUSED	5	
22		TOTAL OTTILITY WITH			
23 24 \	WATER LOSS				
	Tank Overflows				
1 - 1 - 1	Line Breaks		M188	36	
	Line Leaks		14.11.41	12,239	
	Excavation Damages				
	Theft				
	Other Loss (explain)		1607		
31	, , , , , , , , , , , , , , , , , , , ,	TOTAL WATER	RLOSS	12,275	
32					
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4			
34					
	WATER LOSS PERC	CENTAGE		00.000/	
36	(Line 31 divided by L	ine 4)		60.30%	

Water Utility:		North Manchester Water Assn.			
For the	Month of:	March	Year:	2020	
LINE#		ITEM	Nos est	GALLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED			
2	Water Produced				
3	Water Purchased			18,241	
4		TOTAL PRODUCED AND PURCH	IASED	18,241	
5					
6	WATER SALES				
7	Residential			9,752	
8	Commercial				
9	Industrial				
10	Bulk Loading Stations				
11	Wholesale				
12	Public Authorities				
13	Other Sales (explain)				
14		TOTAL WATER S	SALES	9,752	
15					
16	OTHER WATER USE	the state of the s			
17	Utility and/or Water Tr	eatment Plant			
18	Wastewater Plant				
19	System Flushing			3	
20	Fire Department				
21	Other Usage (explain)				
22		TOTAL OTHER WATER	USED	3	
23					
24	WATER LOSS				
25	Tank Overflows				
26	Line Breaks			57	
27	Line Leaks			8,429	
28	Excavation Damages				
29	Theft				
30	Other Loss (explain)	TOTAL WATER	1.000	0.400	
31		TOTAL WATER	LUSS	8,486	
32 33 34	Note: Line 14 + Line 2	22 + Line 31 MUST Equal Line 4			
35	WATER LOSS PERC	ENTAGE			
36	(Line 31 divided by Lir	ne 4)		46.52%	

Water Utility:		North Manchester Water Assn.			
For the	Month of:	April	Year:	2020	
LINE#		ITEM	GA	LLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED			
2	Water Produced				
3	Water Purchased			18,816	
4		TOTAL PRODUCED AND PURC	HASED	18,816	
5					
6	WATER SALES				
7	Residential		11.54	8,176	
8	Commercial				
9	Industrial				
10	Bulk Loading Stations	i e			
11	Wholesale				
12	Public Authorities				
13	Other Sales (explain)				
14		TOTAL WATER	SALES	8,176	
15					
16	OTHER WATER USE	D			
17	Utility and/or Water Tr	reatment Plant	11/20		
18	Wastewater Plant		10.00		
19	System Flushing			3	
20	Fire Department				
21	Other Usage (explain)				
22		TOTAL OTHER WATER	RUSED	3	
23					
24	WATER LOSS				
25	Tank Overflows				
26	Line Breaks			100	
27	Line Leaks			129	
28	Excavation Damages			10,508	
29	Theft				
30	Other Loss (explain)		21.000	40.007	
31		TOTAL WATER	R L055	10,637	
32	M 4. 15. 44 . 17.	OO . Line Od MUCT Ferrel Line 4			
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4			
34		ACNITA OF			
35	WATER LOSS PERC			EC 500/	
36	(Line 31 divided by Li	ne 4)	1000	56.53%	

Water Utility:		North Manchester Water Assn.		
For the	Month of:	May	Year:[2020
LINE#		ITEM		GALLONS (Omit 000's)
1	WATER PRODUCED			ortzzotto (onne oco o)
2	Water Produced	AND I ONOTINGED	Т	
3	Water Purchased		ŀ	17,178
4	VVater i dichased	TOTAL PRODUCED AND PURCH	ASED	17,178
5		TOTAL TROBUSED AND TORIO	.,	11,110
6	WATER SALES			
7	Residential			8,891
8	Commercial		1	
9	Industrial		ı	
10	Bulk Loading Stations	•	ı	
11	Wholesale			
12	Public Authorities		1	
13	Other Sales (explain)			
14		TOTAL WATER S	SALES	8,891
15				
16	OTHER WATER USE	D		
17	Utility and/or Water Tr	reatment Plant		
18	Wastewater Plant			
19	System Flushing			3
20	Fire Department			
21	Other Usage (explain)			
22		TOTAL OTHER WATER	USED	3
23				
24	WATER LOSS	Was taken and the second and the sec		
25	Tank Overflows			
26	Line Breaks			04
27	Line Leaks		}	94
28	Excavation Damages			8,190
29	Theft		-	
30	Other Loss (explain)	TOTAL WATER	1000	8,284
31		TOTAL WATER	LUSS	0,204
32	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4		
33	NOLE. LINE 14 T LINE	22 · Lille of Moof Equal Lille 4		
34	WATER LOSS PERC	ENTAGE		
35		The state of the s		48.22%
36	(Line 31 divided by Line	110 4)		40.22/0

Water Utility:		North Manchester Water Assn.			
For the Month of:		June	Year:	2020	
LINE#		ITEM		GALLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED			
2	Water Produced				
3	Water Purchased			17,766	
4		TOTAL PRODUCED AND PURCH	ASED	17,766	
5					
6	WATER SALES				
7	Residential			9,744	
8	Commercial				
9	Industrial				
10	Bulk Loading Stations				
11	Wholesale				
12	Public Authorities				
13	Other Sales (explain)				
14		TOTAL WATER S	SALES	9,744	
15					
16	OTHER WATER USE	D			
17	Utility and/or Water Tr	eatment Plant			
18	Wastewater Plant				
19	System Flushing			20	
20	Fire Department				
21	Other Usage (explain)				
22		TOTAL OTHER WATER	USED	20	
23					
24	WATER LOSS			<u> </u>	
25	Tank Overflows				
26	Line Breaks				
27	Line Leaks			221	
28	Excavation Damages			7,781	
29	Theft				
30	Other Loss (explain)				
31		TOTAL WATER	LOSS	8,002	
32 33	Note: Line 14 + Line 2	22 + Line 31 MUST Equal Line 4			
34 35	WATER LOSS PERC	ENTAGE			
36	(Line 31 divided by Lin			45.04%	
				.0.0170	

Water Utility:		North Manchester Water Assn.			
For the Month of:		July	Year:	2020	
LINE#		ITEM	(SALLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED			
2	Water Produced				
3	Water Purchased			14,869	
4		TOTAL PRODUCED AND PURCH	IASED	14,869	
5					
6	WATER SALES				
7	Residential			10,330	
8	Commercial		91		
9	Industrial				
10	Bulk Loading Stations	3			
11	Wholesale				
12	Public Authorities		97		
13	Other Sales (explain)			10.000	
14		TOTAL WATER S	SALES	10,330	
15					
16	OTHER WATER USE				
17	Utility and/or Water T	reatment Plant	_		
18	Wastewater Plant			0.5	
19	System Flushing			25	
20	Fire Department		-		
21	Other Usage (explain)TOTAL OTHER WATER	HEED	25	
22		TOTAL OTHER WATER	USED	23	
23	WATERLOSS				
24	WATER LOSS				
25	Tank Overflows			144	
26 27	Line Breaks Line Leaks			4,370	
28	Excavation Damages			4,070	
29	Theft				
30	Other Loss (explain)				
31	Other Loss (explain)	TOTAL WATER	LOSS	4,514	
32					
33	Note: Line 14 + Line	22 + Line 31 MUST Equal Line 4			
34	The second second second at the second secon	·			
35	WATER LOSS PERC	CENTAGE			
36	(Line 31 divided by Li			30.36%	

Water I	Jtility:	North Manchester Water Assn.			
For the	Month of:	August	Year:	2020	
LINE#		ITEM	GA	LLONS (Omit 000's)	
1	WATER PRODUCED	AND PURCHASED		· · · · · · · · · · · · · · · · · · ·	
2	Water Produced				
3	Water Purchased			13,619	
4		TOTAL PRODUCED AND PURCH	ASED	13,619	
5					
6	WATER SALES				
7	Residential			10,887	
8	Commercial				
9	Industrial				
10	Bulk Loading Stations				
11	Wholesale				
12	Public Authorities				
13	Other Sales (explain)				
14		TOTAL WATER S	ALES	10,887	
15		_			
16	OTHER WATER USE				
17	Utility and/or Water Ti	eatment Plant			
18	Wastewater Plant				
19	System Flushing		19 A.L.	107	
20	Fire Department				
21	Other Usage (explain)		11055	10-	
22		TOTAL OTHER WATER	USED	107	
23 24	WATER LOSS				
25	Tank Overflows				
26	Line Breaks			2.242	
27	Line Leaks			2,242	
28	Excavation Damages			383	
29	Theft				
30	Other Loss (explain)				
31	Other Loss (explain)	TOTAL WATER	OSS	2,625	
32		TOTAL WATER		2,025	
33 34	Note: Line 14 + Line 2	22 + Line 31 MUST Equal Line 4			
35 36	WATER LOSS PERC (Line 31 divided by Lir			19.27%	