

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

**RESPONSE OF MORGAN COUNTY WATER DISTRICT
TO COMMISSION ORDER OF MAY 3, 2019**

Morgan County Water District submits its Response to the Commission's Order of May 3, 2019.

Dated: May 29, 2019

Respectfully submitted,



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Counsel for Morgan County Water District

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Morgan County Water District's electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on May 29, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that on or before May 31, 2019 this Application in paper medium will be delivered to the Public Service Commission.

A handwritten signature in black ink, consisting of a stylized 'S' followed by a horizontal line and a small flourish.

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RESPONSE OF
MORGAN COUNTY WATER DISTRICT
TO
COMMISSION ORDER OF MAY 3, 2019

FILED: May 29, 2019

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 1

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-1. State the effective date of the water utility's last rate increase, either through the alternative rate filing procedure, through a general adjustment of rates, or through a purchased water adjustment, and provide the Board Resolution approving the rate increase.

A-1. The last rate increase was a pass through. The effective date was 10/01/2018. (See the attached)

Cave Run Water Commission, Incorporated
P.O. Box 20
7533 HWY 1693
Wellington, KY 40387
Phone (606)768-6665
Fax (606)768-6580

Edward Bryant
Chairperson

Oscar Brewer
Vice Chairperson

Mike Helton
Secretary/Treasurer

Sandy Ballard
Commissioner

Kyle Risner
Commissioner

RATE INCREASE NOTICE

On May 26, 2016, the Cave Run Water Commission approved a resolution setting rate increases for Fiscal Years 2018 and 2019. This resolution was a requirement of the financing provided by the Kentucky Infrastructure Authority for the 2016 loan. The resolution set the rates per thousand gallons at \$2.57 for FY2018 and \$2.67 for FY2019. The FY2018 rate of \$2.57 was effective July 1, 2017 and the FY2019 rate of \$2.67 will be effective July 1, 2018.

"Cave Run Water Commission, Inc. is an Equal Opportunity Provider and Employer."

"If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at <http://www.ascr.usda.gov/complaintfilingcust.html>, or at any USDA office, or call (866)632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9401, by fax (202)690-7442 or e-mail at program.intake@usda.gov."

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF MORGAN COUNTY WATER DISTRICT ADJUSTING WATER RATES AND CHARGES TO OFFSET CAVERUN WATER COMMISSION'S WHOLESALE RATE INCREASE

WHEREAS, the Caverun Water Commission ("CRWC") is a wholesale water supplier to Morgan County Water District;

WHEREAS, on May 26th CRWC notified Morgan County Water District of an increase in its wholesale water rate from \$2.57 per 1,000 gallons to \$2.67 per 1,000 gallons effective July 1, 2017;

WHEREAS, based upon the water purchases from CRWC during the previous 12 months, the annual increased cost to Morgan County Water District will be approximately \$10,720.80;

WHEREAS, prudent financial management dictates that Morgan County Water District take immediate action to adjust its retail rates commensurate with CRWC's wholesale rate increase; and

WHEREAS, KRS 278.015 and 807 KAR 5:068 provide legal mechanism for Morgan County Water District to increase its water rates commensurate with CRWC's wholesale rate increase via a Purchased Water Adjustment ("PWA");

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF MORGAN COUNTY WATER DISTRICT AS FOLLOWS:

Section 1. The facts, recitals, and statements contained in the foregoing preamble of this Resolution are true and correct and are hereby affirmed and incorporated as a part of this Resolution.

Section 2. The PWA factor is \$0.10 per 1,000 gallons;

Section 3. All tiers of all meter sizes of Morgan County Water District's existing tariff shall be increased by \$0.10 per 1,000 gallons, effective October 1, 2018, subject to any minor adjustment that may be made by the Kentucky Public Service Commission.

Section 4. The monthly water rates to be charged to and collected from the customers and users of Morgan County Water District's water system shall be as set forth in Appendix A, which is attached hereto and is incorporated herein by reference as a part of this Resolution. These monthly rates and charges shall be in effect for all water service rendered on and after October 1, 2018.

Section 5. The Chairman is hereby authorized and directed to execute and file the PWA Application, Tariff Sheet, and all other documents that may be required by the Kentucky Public Service Commission.

Section 6. The Chairman, all appropriate Staff, and Morgan County Water District's attorney are hereby further authorized and directed to take any and all other actions and to execute and deliver any and all other documents as may be reasonably necessary to implement the PWA.

Section 7. This Resolution shall take effect upon its adoption.

ADOPTED BY THE BOARD OF COMMISSIONERS OF MORGAN COUNTY WATER DISTRICT at a meeting held on October 8th, 2018 signed by the Chairman, and attested by the Secretary.

Kyle Risner, Chairman



ATTEST:


Secretary

**APPENDIX A
APPENDIX TO A RESOLUTION OF THE BOARD OF COMMISSIONERS
OF
MORGAN COUNTY WATER DISTRICT
DATED OCTOBER 8, 2018**

**RATES FOR WATER SERVICE PROVIDED BY MORGAN COUNTY
WATER DISTRICT ON AND AFTER OCTOBER 1, 2018**

Monthly Rates:

5/8" x 3/4 " Meter

First	2,000 gallons	\$25.42 Minimum Bill
Next	3,000 gallons	9.41 per 1,000 gallons
Next	5,000 gallons	8.72 per 1,000 gallons
Next	5,000 gallons	8.03 per 1,000 gallons
Over	15,000 gallons	7.34 per 1,000 gallons

1 " Meter

First	5,000 gallons	\$53.78 Minimum Bill
Next	5,000 gallons	8.72 per 1,000 gallons
Next	5,000 gallons	8.03 per 1,000 gallons
Over	15,000 gallons	7.34 per 1,000 gallons

2 " Meter

First	15,000 gallons	\$136.38 Minimum Bill
Over	15,000 gallons	7.34 per 1,000 gallons

6 " Meter

First	100,000 gallons	\$761.31 Minimum Bill
Over	100,000 gallons	7.34 per 1,000 gallons

WHOLESALE WATER RATE:

City of Compton	\$4.26 per 1,000 gallons
City of Frenchburg	\$4.26 per 1,000 gallons

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 2

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-2. State whether the water utility's board of commissioners or directors has discussed applying for a rate increase since January 1, 2018, utilizing either the alternative rate filing procedure or through a general adjustment of rates. If the utility can state this affirmatively, provide the board minutes where this was discussed.

A-2. A rate increase was discussed at the November 13, 2018 Board meeting. (See the attached)

**Morgan County Water District
Regular Board Meeting
Monday, November 13, 2018**

The regular monthly meeting of the Morgan County Water District was held on Monday, November 13, 2018 beginning at 4:30 p.m. at the office. The following were in attendance: Board Members: Kyle Risner, Zach Engle, Angie Elliott and Steve Gunnell; and MCWD Staff: Steve Pelfrey and Chernell Holbrook.

Kyle Risner called the meeting to order and welcomed all present. At 4:30 p.m. Mr. Risner called for a motion to approve and accept the minutes from October 8, 2018. After the board reviewed the minutes, Zach Engle made a motion to approve the minutes. The motion was seconded by Steve Gunnell. Motion Carried.

First item discussed on the agenda was Mr. Langley Franklin. He was unable to attend. Chernell Holbrook told the Board that Mr. Franklin had not had time to speak with his committee. We will invite Mr. Franklin back next month.

Second item on the agenda was the Engineer. Steve told the Board about the meeting with Gateway Ad. He told the Board that Gateway Ad would help in our search for a new Engineer. Kyle Risner asked Steve Pelfrey to contact Larry Cann of Cann Tech, LLC, about L & L Excavating. Steve Pelfrey mentioned going to the Bonding Company that is covering L & L Excavating. We will table the Engineer discussion until next meeting.

Third item on the agenda was the new hire. Steve Pelfrey told the Board that he has not found anyone as of now. Steve Pelfrey asked the Board to wait until after the payment in January to hire someone. Zach Engle was concerned about

employee fatigue. Kyle Risner told Steve Pelfrey it was up to him, when to hire someone. Kyle Risner asked Steve Pelfrey to keep him posted. No further discussion.

Fourth item on the agenda was the new truck. Steve Pelfrey told the Board that we got the new truck, but it has hail damage. Steve Pelfrey has already contacted Fleet. They are currently trying to find a local body shop to fix it. No further discussion.

OLD BUSINESS:

Update on water loss: The Cave Run numbers have come down. Steve Pelfrey told the Board about Walker Co. fixing the leak and why we waited until Saturday to do it. We are currently working on a bill for Walker Co. for the water loss. Steve also told the Board that the East end of the County was using more water. Kyle asked that we keep putting on the bill to report any leak. No further discussion.

Profit and Loss: Kyle Risner told the Board that we could have a Budget work shop. We have to have the Budget by the December meeting. The work shop will be on November 27th at 4:30. No further discussion.

Invoices: Kyle Risner called for a motion to approve the invoices. Angie Elliott made a motion, which was seconded by Zach Engle. Motion carried.

Handouts which were given to the board for their review included a list of savings accounts, checking accounts, cut off list, and new meter setting list. Also, for the boards review was a copy of the billing register's total page. The number of

customers for the month was 2802. Steve Pelfrey told the Board that we were unable to do cut offs. No questions. No discussions.

OTHER:


The PSC rate increase was discussed. Zach Engle asked if the PSC had turned us down for a rate increase and if they had what it would take to get one. Kyle Risner asked Chernell to call Monty Rhody and get a quote on doing our rate increase. Angie Elliott asked if we could invite the Mayor to our next meeting to discuss paying a lower rate on the water. Steve Gunnell asked if the PSC would make us lower our rate, if we paid less for the water.

Angie Elliott asked if we could start using Johnson County Water again. Zach Engle asked Steve Pelfrey to find out what their water rate is now.

Steve Pelfrey asked the Board to add bereavement days to our Policy and Procedures. Zach Engle made a motion to add the bereavement days to our policy and procedures. Angie Elliott seconded the motion. Motion carried. The days allowed would be three and two more with the Boards approval.

The board agreed on the next monthly meeting to be on December 10, 2018. With there being no further business to come before the board, a motion was made by Steve Gunnell and seconded by Angie Elliott to adjourn the meeting. Motion Carried.

IN TESTIMONY WHEREOF WITNESS MY SIGNATURE this 17th day
of December, 2018



Zachary Engle, Sec/Treas.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 3

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-3. Provide a list of the top three obstacles the water utility believes are preventing or slowing the progress of the water utility in reducing line loss.

A-3. These are our top three reasons: financial constraints, under staffing, and the correct equipment to look for leaks.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 4

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-4. Provide the water utility's most recent monthly water loss report.

A-4. April 2019 monthly water loss report. (See attached.)

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Morgan County Water District

For the Month of: April Year: 2019

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED, PURCHASED & DISTRIBUTED	
2	Water Produced	
3	Water Purchased	21,897,830
4	TOTAL PRODUCED AND PURCHASED	21,897,830
5		
6	WATER SALES	
7	Residential	7,358,000
8	Commercial	911,320
9	Industrial	
10	Bulk Loading Stations	13,400
11	Wholesale	
12	Other Sales	
13	TOTAL WATER SALES	8,282,720 37.8%
14		
15	OTHER WATER USED	
16	Utility and/or Water Treatment Plant	
17	Wastewater Plant	
18	System Flushing	1,887,456
19	Fire Department	24,900
20	Other	
21	TOTAL OTHER WATER USED	1,912,356 8.7%
22		
23	WATER LOSS	
24	Tank Overflows	
25	Line Breaks	
26	Line Leaks	11,702,754
27	Other	
28	TOTAL LINE LOSS	11,702,754 53.4%
29		
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4	
31		
32	WATER LOSS PERCENTAGE	
33	Unaccounted-For Water (Line 28 divided by Line 4)	53.4%

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 5

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-5. Provide the name and occupation, if any, of each of the water utility's current commissioners including the highest level of education attained by each.

A-5. The following information is in regards to the Board Members:
Shannon Elam, Clinic Administrator, M.H.A.
Zach Elam, Loan Officer, B.B.A.
Linda Bradley, Project Coordinator, 2yrs Bus. Tech. School
Steve Gunnell, Civil Engineer, B.S.
Brian Wells, Business Owner, B.B.A.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 6

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-6. Provide the following training information:

- a) State whether the water utility allocates funds in its annual operating budget to provide training to its water personnel.**
- b) If so, state the amount allocated in the last three calendar years.**
- c) Identify any training programs, free of charge or otherwise, that water personnel have taken and individuals, agencies, or suppliers providing the training program.**

A-6.

- a) Yes
- b) (See the attached Budgets)
- c) Steve Pelfrey trains yearly with Kentucky Rural Water and trains with the Kentucky Division of Water. Andy Legg trained with the Kentucky Division of Water. Andy Legg also recently trained with Kentucky Rural Water in leak detection at Morgan County Water District.

Morgan County Water District 2019 Budget

Ordinary Income/Expense Income

General Revenue

AML Grant Funds	-
461.6 - Sales thru Bulk Loading	300
466 - Sales for Resale-Wholesale	500
470 - Forfeited Discounts-Late Pay	32,000
472 - Rents from Water Property	-
Tap - On - Fees	35,000
461.1 - Meter Sales to Residential	1,450,000
461.2 - Meter Sales to Commerical	105,000
471. - Misc. Service Revenues	25,000
4999 - Uncatgorized Income	95,500

Total Income: **1,743,300**

Expense:

101 - Utility Plant in Service	1,000
408.1 - UtilityRegAssessment Fee	3,000
601 - Payroll Expense	300,000
604 - Employee Pensions & Benefit	62,000
610 - Purchased Water	812,000
615 - Purchased Power	35,000
620 - Materials and Supplies	100,000
632 - Contractual Services Acct.	8,000
636 - Contractual Services Other	15,000
650 - Transportation Expense	43,500
659 - Insurance Other	1,800
675 - Misc	2,000
Debt Service	245,000
Local Taxes	40,000
Membership Dues	2,500
Non - Budget Items	2,500
UC Tax	500
Utilities	9,000
Water Class Fee	2,000
657 - Insurance-General Liability	20,000
658 - Workers' Compensation	6,000
660 - Advertising	1,500
7025 - KY 172 Utility Relocation	-
7050 - Mtn Parkway Utility Relocatic	-
7065 - MCWD System Imp. AML	-
7045 - US 460 Water Line Relocatio	15,500
7060 - Hwy 7 Water Line Relocation	-
Funded Depreciation Reserve	15,500

Total Expenses: 1,743,300

TOTAL OPERATING EXPENSES: 1,743,300
NON-OPERATING OTHER EXPENSES:

NET INCOME (LOSS) \$0.00

Accepted by the Board of Directors on the 17 day of December, 2018.



Kyle Risner, Chairman



Zachary Engle, Sec/Treas.

Morgan County Water District 2018 Budget

Ordinary Income/Expense Income

General Revenue

AML Grant Funds	700,000
461.6 - Sales thru Bulk Loading	1,000
466 - Sales for Resale-Wholesale	500
470 - Forfeited Discounts-Late Pay	26,000
472 - Rents from Water Property	-
Tap - On - Fees	35,000
461.1 - Meter Sales to Residential	1,250,000
461.2 - Meter Sales to Commerical	105,000
471. - Misc. Service Revenues	24,000
4999 - Uncatgorized Income	165,000

Total Income: 2,306,500

Expense:

101 - Utility Plant in Service	1,000
408.1 - UtilityRegAssessment Fee	3,000
601 - Payroll Expense	250,000
604 - Employee Pensions & Benefit	62,000
610 - Purchased Water	700,000
615 - Purchased Power	35,000
620 - Materials and Supplies	120,000
632 - Contractual Services Acct.	8,000
636 - Contractual Services Other	15,000
650 - Transportation Expense	20,000
659 - Insurance Other	1,800
675 - Misc	2,000
Debt Service	240,000
Local Taxes	40,000
Membership Dues	2,500
Non - Budget Items	2,500
UC Tax	500
Utilities	9,000
Water Class Fee	2,000
657 - Insurance-General Liability	20,000
658 - Workers' Compensation	6,000
660 - Advertising	1,200
7025 - KY 172 Utility Relocation	-
7050 - Mtn Parkway Utility Relocatic	-
7065 - MCWD System Imp. AML	700,000
7045 - US 460 Water Line Relocatio	54,564
7060 - Hwy 7 Water Line Relocation	10,436

Total Expenses:

2,306,500

TOTAL OPERATING EXPENSES:
NON-OPERATING OTHER EXPENSES:

2,306,500

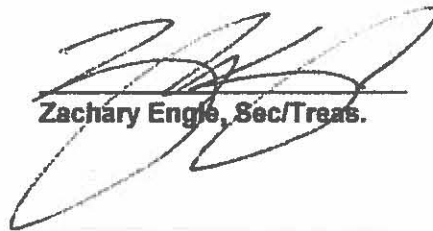
NET INCOME (LOSS)

\$0.00

Accepted by the Board of Directors on the 11th day of December, 2017



Roy Collett, Chairman



Zachary Engle, Sec/Treas.

Morgan County Water District 2017 Budget

Ordinary Income/Expense Income

General Revenue

AML Grant Funds	676,000
461.6-Sales thru Bulk Loading	2,000
466-Sales for Resale-Wholesale	500
470-Forfeited Discounts-Late Pay	24,000
472-Rents from Water Property	-
Tap-On-Fees	50,000
461.1-Meter Sales to Residential	1,150,000
461.2-Meter Sales to Commerical	105,000
471.-Misc. Service Revenues	22,000
4999 - Uncategorized Income	250,000

Total Income: 2,279,500

Expense:

101-Utility Plant in Service	1,000
408.1-UtilityRegAssessment Fee	3,000
601-Payroll Expense	229,500
604-Employee Pensions & Benefit	50,000
610-Purchased Water	625,000
615-Purchased Power	35,000
620-Materials and Supplies	100,000
632-Contractual Services Acct.	10,000
636-Contractual Services Other	25,000
650-Transportation Expense	32,000
659-Insurance Other	2,000
675-Misc	2,000
Debt Service	240,000
Local Taxes	35,000
Membership Dues	2,500
Non-Budget Items	2,500
UC Tax	800
Utilities	9,000
Water Class Fee	1,000
657-Insurance-General Liability	20,000
658-Workers' Compensation	7,000
660-Advertising	1,200
7025-KY 172 Utility Relocation	20,000
7050-Mtn Parkway Utility Relocation	150,000
7065-MCWD System Imp. AML	676,000

2,279,500

Total Expenses:

TOTAL OPERATING EXPENSES:


2,279,500

NON-OPERATING OTHER EXPENSES:

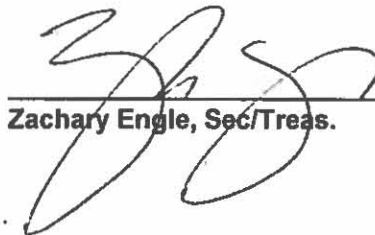
NET INCOME (LOSS)

\$0.00

Accepted by the Board of Directors this 12th day of December, 2015



Roy Collett, Chairman



Zachary Engle, Sec/Treas.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 7

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-7. Provide the following system information in a formatted and tabulated Excel spreadsheet for each applicable asset:

- a) For transmission and distribution lines, provide the diameter size, length in miles, type of material, and average age of the lines. When PVC is used, provide the specific type of PVC used.**
- b) For service connection lines, provide the service connection size, number, type of material, and average age of the lines. When PVC is used, provide the specific type of PVC used.**
- c) For customer meters, provide the customer meter size, number, manufacturer/model, and the average age of the customer meters.**

A-7.

- a) (See the attached)**
- b) Service Connection lines 11 - 1 inch, Endopoly water tubing —250 PSI,
Service Connection lines 2803 - ¼ inch, Endopoly water tubing — 250
PSI.**
- c) 1 inch meters — 11 meters, Sensus Radio Read SR2, Average age — 5
years. 5/8 x ¼ inch meters — 2803 meters, Sensus Model SR2, Average
age —5 years.**

Question 7-A

Line Size	Mileage	Pipe	Type of Line
2	5.75	PVC	C-900, SDR 17 OR 21
3	31.17	PVC	C-900, SDR 17 OR 21
4	126.17	PVC	C-900, SDR 17 OR 21
6	154.87	PVC	C-900, SDR 17 OR 21
8	26.27	PVC	C-900, SDR 17 OR 21

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 8

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-8. Provide the water utility's closest approximate number of service lines and transmission and distribution lines that were made with Blu-Max tubing within its distribution system and the dates they were installed.

A-8. None, no Blu-Max tubing has been used.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 9

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-9. State whether the water utility has considered hiring a consulting firm for leak detection rather than using in-house labor, and if not explain why not.

A-9. At this time we can't consider hiring a consulting firm, due to financial constraints. However, Kentucky Rural Water Association has been training our employees in leak detection and will be providing a circuit rider to assist the District in locating leaks.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 10

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-10. State whether an employee dedicated to leak detection would be a worthwhile investment for the water utility, and if not state why not.

A-10. Yes, we believe that a dedicated leak detection employee would be a worthwhile investment.

MORGAN COUNTY WATER DISTRICT

Response to Commission's Order of May 3, 2019

Case No. 2019-00041

Question No. 11

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-11. Refer to the water utility's response to Commission Order of March 12, 2019, Appendix C (March 12 Order), Item 8. Provide a copy of the most recent written and completed inspection report done at the water utility's plant, pump, and storage facilities. If no written and completed inspection report exists, then state in specific detail all tasks performed by the water utility during the water utility's most recent inspection of its plant, pump, and storage facilities.

A-11. Pump Stations: (See attached) Water Storage Tank: (See attached) Tanks must be inspected at regular intervals to determine if repairs are required and, if so, the exact nature and extent of the work required. Inspection of water tanks is expensive, but the cost is insignificant compared to the cost of premature failure of the tank. A documented inspection of the tank is conducted annually. A thorough independent inspection is performed every five years on the entire structure.

3-14-19
BY SP

PUMP STATION INSPECTION

Type: () Centrifugal Pump () Axial Flow Pump
() Vertical Turbine Pump () Submersible Pump

Location: HWY 460 E

Number of pumps in station: 2

Size motor: 30 HP Rating of pump(s): 300 GALLON PER MIN

Year pump station was constructed: 2014

1. Any visible signs of wear and tear or problem?
() Yes () No

If yes, explain: _____

2. Are there any coupling alignment problems?
() Yes () No

If yes, explain: _____

a. Does coupling require grease? () Yes () No

3. Have bearings been greased? () Yes () No 3-14-19 ←

4. Is there sufficient packing? () Yes () No

5. Are there any violations? () Yes () No

a. Are all hold-down bolts on pumps and motors tightened properly? () Yes () No

6. Is there an excessive noise from the pump?
() Yes () No

7. Is there any repainting needed? () Yes () No

If yes, what area: _____

8. Is there any visible signs of corrosion?
() Yes () No

If yes, where: CHLORINE ROOM

Pump Station Inspection

3-14-19

Type: () Centrifugal Pump () Axial Flow Pump
() Vertical Turbine Pump () Immersible Pump

By SP

Location: Hwy 205

Number of pumps in station: 2

Size motor: 5 HP Rating of pump: 100 gpm

Year pump station was constructed: 2009

1. Any visible signs of wear and tear or problem? () Yes () No

If yes, explain: _____

2. Are there any coupling alignment problems? () Yes () No

If yes, explain: _____

a. Does coupling require grease? () Yes () No

3. Have bearings been greased? () Yes () No

4. Is there sufficient packing? () Yes () No

5. Are there any violations? () Yes () No

a. Are all hold-down bolts on pumps and motors tightened properly?

() Yes () No

6. Is there an excessive noise from the pump? () Yes () No

7. Is there any repainting needed? () Yes () No

8. Are there any visible signs of corrosion? () Yes () No

If yes, where: _____

9. Will one pump meet the demand from customers for water service?

() Yes () No

10. Do both pumps need to be operated together? () Yes () No

11. Is there a written inspection record of the pump station? () Yes () No

If yes, how often: 6 mon.

Pump Station Inspection

FEB-2019

Type: Centrifugal Pump Axial Flow Pump
 Vertical Turbine Pump Immersible Pump

B4 5P

Location: Hwy 4.37

Number of pumps in station: 2

Size motor: 7.5 HP Rating of pump: 100 gpm

Year pump station was constructed: 2007

1. Any visible signs of wear and tear or problem? Yes No

If yes, explain: _____

2. Are there any coupling alignment problems? Yes No

If yes, explain: _____

a. Does coupling require grease? Yes No

3. Have bearings been greased? Yes No

4. Is there sufficient packing? Yes No

5. Are there any violations? Yes No

a. Are all hold-down bolts on pumps and motors tightened properly?
 Yes No

6. Is there an excessive noise from the pump? Yes No

7. Is there any repainting needed? Yes No

8. Are there any visible signs of corrosion? Yes No

If yes, where: CHLORINE ROOM VERY BAD!

9. Will one pump meet the demand from customers for water service?
 Yes No

10. Do both pumps need to be operated together? Yes No

11. Is there a written inspection record of the pump station? Yes No

If yes, how often: 6 MON

Pump Station Inspection

FEB - 2019

B45P

Type: () Centrifugal Pump () Axial Flow Pump
() Vertical Turbine Pump () Immersible Pump

Location: HWY 519

Number of pumps in station: 2

Size motor: 5 HP Rating of pump: 100 gpm

Year pump station was constructed: 2004

1. Any visible signs of wear and tear or problem? () Yes () No

If yes, explain: _____

2. Are there any coupling alignment problems? () Yes () No

If yes, explain: _____

a. Does coupling require grease? () Yes () No

3. Have bearings been greased? () Yes () No

4. Is there sufficient packing? () Yes () No

5. Are there any violations? () Yes () No

a. Are all hold-down bolts on pumps and motors tightened properly?

() Yes () No

6. Is there an excessive noise from the pump? () Yes () No SOME

7. Is there any repainting needed? () Yes () No

8. Are there any visible signs of corrosion? () Yes () No

If yes, where: _____

9. Will one pump meet the demand from customers for water service?

() Yes () No

10. Do both pumps need to be operated together? () Yes () No

11. Is there a written inspection record of the pump station? () Yes () No

If yes, how often: 6 mon.

Pump Station Inspection

1-7-19

Type: Centrifugal Pump Axial Flow Pump
 Vertical Turbine Pump Immersible Pump

By SP

Location: Hwy 844

Number of pumps in station: 2

Size motor: 2 HP Rating of pump: 30 gpm

Year pump station was constructed: 2002

1. Any visible signs of wear and tear or problem? Yes No

If yes, explain: NEW BALL BEARING; STATIONARY SWITCH
1 PUMP

2. Are there any coupling alignment problems? Yes No

If yes, explain: _____

a. Does coupling require grease? Yes No

3. Have bearings been greased? Yes No

4. Is there sufficient packing? Yes No

5. Are there any violations? Yes No

a. Are all hold-down bolts on pumps and motors tightened properly?
 Yes No

6. Is there an excessive noise from the pump? Yes No

7. Is there any repainting needed? Yes No

8. Are there any visible signs of corrosion? Yes No

If yes, where: _____

9. Will one pump meet the demand from customers for water service?
 Yes No

10. Do both pumps need to be operated together? Yes No

11. Is there a written inspection record of the pump station? Yes No

If yes, how often: JAN = 2019 # 1 PUMP
6 MON

FEB-2019

Water Storage Inspection

By SP

Type: Elevated Standpipe
 Ground Storage Clearwell

Size: 100,000 Location: Hwy 1002

Date Constructed: 2004

Type Tank: Welded Metal Steel-lined Glass
 Concrete

Site:

- 1. Does site slope away from bank? Yes No
- 2. Is ground soft or soggy? Yes No

Foundations:

- 1. Is the concrete foundation cracked? Yes No
- 2. Is the concrete foundation level? Yes No
- 3. Is there a gap between riser base and the concrete? Yes No
- 4. Condition of anchor bolts? good Yes No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? Yes No
- 2. Are they straight? Yes No
- 3. Is there any slack in the diagonal X-ropes? Yes No
- 4. Condition of bolted connection on riser rods? Yes No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? Yes No
- 2. Are any weld seams concave? Yes No
 - a. Are there any rust streaks originating from the weld seams? Yes No
 - b. Any evidence of water leaking from tank? Yes No
- 3. Is there any metal loss by pitting? Yes No
- 4. Condition of finish coat? Good Fair Poor
- 5. Condition of intermediate coat? Good Fair Poor
- 6. Condition of primer coat? Good Fair Poor
- 7. Amount of surface area showing rust? NEED SOME PAINT FADDING
- 8. Any water ponding on roof? Yes No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? Yes No
- 2. Is there a target on tank? Yes No
 - a. Is it working properly? Yes No

- 3. Does the utility have a climbing harness? Yes No
- 4. How often does the utility climb tank? Day Week Month
Other 0
- 5. What is the condition of the overflow? Good Fair Poor
 - a. Does overflow have a screen or flapper?
 - Screen Flapper Neither
 - b. Any evidence of cross connections? Yes No
 - c. Rip-rap to prevent erosion at end of overflow? Yes No

Comments: _____

CLEAN TANK 5-5-16

FEB-2019

Water Storage Inspection

By SP

Type: () Elevated () Standpipe
() Ground Storage () Clearwell

Size: 150,000 GAL Location: EZEL

Date Constructed: 1995

Type Tank: () Welded Metal () Steel-lined Glass
() Concrete

Site:

- 1. Does site slope away from bank? () Yes () No
- 2. Is ground soft or soggy? () Yes () No

Foundations:

- 1. Is the concrete foundation cracked? () Yes () No
- 2. Is the concrete foundation level? () Yes () No
- 3. Is there a gap between riser base and the concrete? () Yes () No
- 4. Condition of anchor bolts? () Yes () No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? () Yes () No
- 2. Are they straight? () Yes () No
- 3. Is there any slack in the diagonal X-rods? () Yes () No
- 4. Condition of bolted connection on riser rods? () Yes () No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? () Yes () No
- 2. Are any weld seams concave? () Yes () No
 - a. Are there any rust streaks originating from the weld seams? () Yes () No
 - b. Any evidence of water leaking from tank? () Yes () No
- 3. Is there any metal loss by pitting? () Yes () No
- 4. Condition of finish coat? () Good () Fair () Poor
- 5. Condition of intermediate coat? () Good () Fair () Poor
- 6. Condition of primer coat? () Good () Fair () Poor
- 7. Amount of surface area showing rust? 1%
- 8. Any water ponding on roof? () Yes () No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? () Yes () No
- 2. Is there a target on tank? () Yes () No
 - a. Is it working properly? () Yes () No

3. Does the utility have a climbing harness? () Yes () No
4. How often does the utility climb tank? () Day () Week () Month
Other _____
5. What is the condition of the overflow? () Good () Fair () Poor
- a. Does overflow have a screen or flapper?
() Screen () Flapper () Neither
- b. Any evidence of cross connections? () Yes () No
- c. Rip-rap to prevent erosion at end of overflow? () Yes () No

Comments: _____

CLEAN TANK 5-5-16

JAN-2019

Water Storage Inspection

BY SP

Type: () Elevated () Standpipe
() Ground Storage () Clearwell

Size: 175,000 Location: Hwy 191

Date Constructed: 1992

Type Tank: () Welded Metal () Steel-lined Glass
() Concrete

Site:

- 1. Does site slope away from bank? () Yes () No
- 2. Is ground soft or soggy? () Yes () No

Foundations:

- 1. Is the concrete foundation cracked? () Yes () No
- 2. Is the concrete foundation level? () Yes () No
- 3. Is there a gap between riser base and the concrete? () Yes () No
- 4. Condition of anchor bolts? () Yes () No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? () Yes () No
- 2. Are they straight? () Yes () No
- 3. Is there any slack in the diagonal X-rods? () Yes () No
- 4. Condition of bolted connection on riser rods? () Yes () No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? () Yes () No
- 2. Are any weld seams concave? () Yes () No
 - a. Are there any rust streaks originating from the weld seams? () Yes () No
 - b. Any evidence of water leaking from tank? () Yes () No
- 3. Is there any metal loss by pitting? () Yes () No
- 4. Condition of finish coat? () Good () Fair () Poor
- 5. Condition of intermediate coat? () Good () Fair () Poor
- 6. Condition of primer coat? () Good () Fair () Poor
- 7. Amount of surface area showing rust? 2%
- 8. Any water ponding on roof? () Yes () No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? () Yes () No
- 2. Is there a target on tank? DONT WORK () Yes () No
 - a. Is it working properly? () Yes () No

3. Does the utility have a climbing harness? () Yes () No
4. How often does the utility climb tank? () Day () Week () Month
 Other _____
5. What is the condition of the overflow? () Good () Fair () Poor
- a. Does overflow have a screen or flapper?
 () Screen () Flapper () Neither
- b. Any evidence of cross connections? () Yes () No
- c. Rip-rap to prevent erosion at end of overflow? () Yes () No

Comments: _____

CLEAN TANK 5-5-10

JAN-2019

Water Storage Inspection

BY-SP

Type: () Elevated () Standpipe
() Ground Storage () Clearwell

Size: 100,000 GAL Location: HWY 134

Date Constructed: 2009

Type Tank: () Welded Metal () Steel-lined Glass
() Concrete

Site:

- 1. Does site slope away from bank? () Yes () No
- 2. Is ground soft or soggy? () Yes () No

Foundations:

- 1. Is the concrete foundation cracked? () Yes () No
- 2. Is the concrete foundation level? () Yes () No
- 3. Is there a gap between riser base and the concrete? () Yes () No
- 4. Condition of anchor bolts? () Yes () No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? () Yes () No
- 2. Are they straight? () Yes () No
- 3. Is there any slack in the diagonal X-rods? () Yes () No
- 4. Condition of bolted connection on riser rods? () Yes () No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? () Yes () No
- 2. Are any weld seams concave? () Yes () No
 - a. Are there any rust streaks originating from the weld seams? () Yes () No
 - b. Any evidence of water leaking from tank? () Yes () No
- 3. Is there any metal loss by pitting? () Yes () No
- 4. Condition of finish coat? () Good () Fair () Poor
- 5. Condition of intermediate coat? () Good () Fair () Poor
- 6. Condition of primer coat? () Good () Fair () Poor
- 7. Amount of surface area showing rust? _____
- 8. Any water ponding on roof? () Yes () No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? () Yes () No
- 2. Is there a target on tank? () Yes () No
 - a. Is it working properly? () Yes () No

3. Does the utility have a climbing harness? () Yes () No
4. How often does the utility climb tank? () Day () Week () Month
Other 0
5. What is the condition of the overflow? () Good () Fair () Poor
- a. Does overflow have a screen or flapper?
() Screen () Flapper () Neither
- b. Any evidence of cross connections? () Yes () No
- c. Rip-rap to prevent erosion at end of overflow? () Yes () No

Comments: _____

CLEAN TANK

5-5-16

MARCH - 14 - 19

Water Storage Inspection

BY SP

Type: () Elevated () Standpipe
() Ground Storage () Clearwell

Size: 50,000 Location: HWY 437

Date Constructed: 2007

Type Tank: () Welded Metal () Steel-lined Glass
() Concrete

Site:

- 1. Does site slope away from bank? () Yes () No
- 2. Is ground soft or soggy? () Yes () No

Foundations:

- 1. Is the concrete foundation cracked? () Yes () No
- 2. Is the concrete foundation level? () Yes () No
- 3. Is there a gap between riser base and the concrete? () Yes () No
- 4. Condition of anchor bolts? () Yes () No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? () Yes () No
- 2. Are they straight? () Yes () No
- 3. Is there any slack in the diagonal X-rods? () Yes () No
- 4. Condition of bolted connection on riser rods? () Yes () No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? () Yes () No
- 2. Are any weld seams concave? () Yes () No
 - a. Are there any rust streaks originating from the weld seams? () Yes () No
 - b. Any evidence of water leaking from tank? () Yes () No
- 3. Is there any metal loss by pitting? () Yes () No
- 4. Condition of finish coat? () Good () Fair () Poor
- 5. Condition of intermediate coat? () Good () Fair () Poor
- 6. Condition of primer coat? () Good () Fair () Poor
- 7. Amount of surface area showing rust? 0
- 8. Any water ponding on roof? () Yes () No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? () Yes () No
- 2. Is there a target on tank? DONT WORK () Yes () No
 - a. Is it working properly? () Yes () No

3. Does the utility have a climbing harness? () Yes () No
4. How often does the utility climb tank? () Day () Week () Month
Other _____
5. What is the condition of the overflow? () Good () Fair () Poor
- a. Does overflow have a screen or flapper?
() Screen () Flapper () Neither
- b. Any evidence of cross connections? () Yes () No
- c. Rip-rap to prevent erosion at end of overflow? () Yes () No

Comments: _____

CLEAN TANK

5-5-16

12
MARCH - 2019

Water Storage Inspection

BY SP

Type: () Elevated () Standpipe
() Ground Storage () Clearwell

Size: 200,000 gal Location: cow BR. #2

Date Constructed: 2014

Type Tank: () Welded Metal () Steel-lined Glass
() Concrete

Site:

- 1. Does site slope away from bank? () Yes () No
- 2. Is ground soft or soggy? () Yes () No

Foundations:

- 1. Is the concrete foundation cracked? () Yes () No
- 2. Is the concrete foundation level? () Yes () No
- 3. Is there a gap between riser base and the concrete? () Yes () No
- 4. Condition of anchor bolts? () Yes () No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? () Yes () No
- 2. Are they straight? () Yes () No
- 3. Is there any slack in the diagonal X-rods? () Yes () No
- 4. Condition of bolted connection on riser rods? () Yes () No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? () Yes () No
- 2. Are any weld seams concave? () Yes () No
 - a. Are there any rust streaks originating from the weld seams? () Yes () No
 - b. Any evidence of water leaking from tank? () Yes () No
- 3. Is there any metal loss by pitting? () Yes () No
- 4. Condition of finish coat? () Good () Fair () Poor
- 5. Condition of intermediate coat? () Good () Fair () Poor
- 6. Condition of primer coat? () Good () Fair () Poor
- 7. Amount of surface area showing rust? 0
- 8. Any water ponding on roof? () Yes () No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? () Yes () No
- 2. Is there a target on tank? () Yes () No
 - a. Is it working properly? () Yes () No

3. Does the utility have a climbing harness? () Yes () No
4. How often does the utility climb tank? () Day () Week () Month
Other C
5. What is the condition of the overflow? () Good () Fair () Poor
- a. Does overflow have a screen or flapper?
() Screen () Flapper () Neither
- b. Any evidence of cross connections? () Yes () No
- c. Rip-rap to prevent erosion at end of overflow? () Yes () No

Comments: _____

MARCH 12-2019

Water Storage Inspection

By SP

Type: () Elevated () Standpipe
() Ground Storage () Clearwell

Size: 157,000 gal Location: cow BR. #1

Date Constructed: 2002

Type Tank: () Welded Metal () Steel-lined Glass
() Concrete

Site:

- 1. Does site slope away from bank? () Yes () No
- 2. Is ground soft or soggy? () Yes () No

Foundations:

- 1. Is the concrete foundation cracked? () Yes () No
- 2. Is the concrete foundation level? () Yes () No
- 3. Is there a gap between riser base and the concrete? () Yes () No
- 4. Condition of anchor bolts? () Yes () No

Columns (Elevated Tanks Only)

- 1. Is there condensation on columns? () Yes () No
- 2. Are they straight? () Yes () No
- 3. Is there any slack in the diagonal X-roads? () Yes () No
- 4. Condition of bolted connection on riser rods? () Yes () No

Tank or Shell

- 1. Any disfiguration in tank bottom, shell, roof or irregularities in the contour of the steel? () Yes () No
- 2. Are any weld seams concave? () Yes () No
 - a. Are there any rust streaks originating from the weld seams? () Yes () No
 - b. Any evidence of water leaking from tank? () Yes () No
- 3. Is there any metal loss by pitting? () Yes () No
- 4. Condition of finish coat? () Good () Fair () Poor
- 5. Condition of intermediate coat? () Good () Fair () Poor
- 6. Condition of primer coat? () Good () Fair () Poor
- 7. Amount of surface area showing rust? 1%
- 8. Any water ponding on roof? () Yes () No

Accessories

- 1. Is there a safety climbing device or cage on the ladder? () Yes () No
- 2. Is there a target on tank? () Yes () No
 - a. Is it working properly? () Yes () No

- 3. Does the utility have a climbing harness? Yes No
- 4. How often does the utility climb tank? Day Week Month
Other _____
- 5. What is the condition of the overflow? Good Fair Poor
 - a. Does overflow have a screen or flapper?
 - Screen Flapper Neither
 - b. Any evidence of cross connections? Yes No
 - c. Rip-rap to prevent erosion at end of overflow? Yes No

Comments: _____

CLEAN TANK 5-5-16

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 12

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-12. Refer to the water utility's response to the March 12 Order, Item 14.

- a) Provide the cost and purchase date of all equipment the water utility identified in its response.**
- b) State how frequently the identified leak detection equipment items are utilized by the water utility.**

A-12. We have not purchased any water loss reduction equipment.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 13

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-13. Refer to the water utility's response to the March 12 Order, Item 16. For water utilities that responded that they have no written policy to identify errors that result in missed customer billings or under billings of customer accounts, state whether writing and adopting a formal written policy regarding this would be considered by its board of commissioners or directors, and if not state why not.

A-13. We would consider adopting some form of policy to identify errors that result in missed customer billings or under billings of customer accounts. The District would be interested to learn what policies have worked for other districts.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 14

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-14. Refer to the water utility's response to the March 12 Order, Item 17. For water utilities that responded that they cannot accurately verify through testing how much water they produce at their water treatment plant, state how the water utility can accurately assess its water loss with an unverified production meter.

A-14. Not applicable; we do not produce water.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 15

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-15. Refer to the water utility's response to the March 12 Order, Item 18.

- a) For water utilities that provided test results and had master meters that failed tests, state whether those master meters were replaced or repaired and provide the dates when they were replaced or repaired.**
- b) For water utilities that could not provide test results, provide any previous test results of the water utility's master meters or those from the wholesale provider from any previous date.**

A-15. See attached.



Branch Office
 740 Enterprise Drive
 Lexington, KY 40510
 Phone: (859)255-0852
 Fax: (859)259-1171

CITCO Large Meter Test Reco

Customer Name: Morgan Co.

Date: 3-19-19

Make: Sensus Omni C2

Serial #: 86482

Size: 3"

Location: Hick

HICKORY ROAD

Meter Tester Information:

Make: Sensus

Type: V2

Serial #: Tester3

Size: 3"

Last Tested: 07

Test As Found

	Flow Rate	Residual Pressure	Meter	Prover	Result %=(A/B)x100
HIGH	150/500	60	507	515	98.45%
MED	15/100	75	105	105	100.00%
LOW	.50/10	90	10.3	10.2	100.98%
Average of Tests As Found:					

Result: PASSED

Oxygen: 20.8

Michael Shipley

Size	High Flow	AWWA Standard	Mid Flow	AWWA Standard	Minimum Flow
1.5"	90 gpm for 300 gal	98.5% - 101.5%	10 gpm for 100 gal	98.5% - 101.5%	4 gpm for 100 gal
2"	120 gpm for 300 gal	98.5% - 101.5%	10 gpm for 100 gal	98.5% - 101.5%	4 gpm for 100 gal
3"	275 gpm for 600 gal	98.5% - 101.5%	20 gpm for 100 gal	98.5% - 101.5%	8 gpm for 100 gal
4"	500 gpm for 1000 gal	98.5% - 101.5%	20 gpm for 1000 gal	98.5% - 101.5%	15 gpm for 100 gal
6"	1100 gpm for 2500 gal	98.5% - 101.5%	40 gpm for 1000 gal	98.5% - 101.5%	30 gpm for 1000 gal
8"	1500 gpm for 4000 gal	98.5% - 101.5%	50 gpm for 1000 gal	98.5% - 101.5%	50 gpm for 1000 gal
2"	100 gpm for 100 gal	97% - 103%	15 gpm for 100 gal	90% - 103%	.25 gpm for 10 gal
3"	150 gpm for 500 gal	97% - 103%	15 gpm for 100 gal	90% - 103%	.50 gpm for 10 gal
4"	200 gpm for 500 gal	97% - 103%	25 gpm for 100 gal	90% - 103%	.75 gpm for 10 gal
6"	500 gpm for 1000 gal	97% - 103%	35 gpm for 100 gal	90% - 103%	1.5 gpm for 100 gal
8"	600 gpm for 2000 gal	97% - 103%	45 gpm for 100 gal	90% - 103%	2 gpm for 100 gal

New chamber and register. Retested on 3-19-19



Branch Office
 740 Enterprise Drive
 Lexington, KY 40510
 Phone: (859)255-0852
 Fax: (859)259-1171

CITCO Large Meter Test Record

Customer Name: Morgan Co. Water

Date: 05-10-2017

Meter Info:

Make: Sensus C2

Serial #: 75225289

Size: 3"

Location: Hickory Rd.

Meter Tester Information:

Make: Sensus

Type: V2

Serial #: Tester3

Size: 3"

Last Tested: 07-19-2018

Test As Found

	Flow Rate	Residual Pressure	Meter	Prover	Result %=(A/B)x100	Curve	Meter Accuracy
HIGH	150/500	70	492	506	97.23%	100.50%	
MED	15/100	85	51	102	50.00%	100.80%	
LOW	.5/10	100	6.9	10.1	68.32%	100.50%	
Average of Tests As Found:							72.26%

	Flow Rate	Residual Pressure	Meter	Prover	Result %=(A/B)x100	Curve	Meter Accuracy
HIGH					#DIV/0!		#DIV/0!
MED	15/100	85	52	100	52.00%	100.80%	
LOW					#DIV/0!		#DIV/0!
Average of Tests After Repair:							#DIV/0!

Tested By: Michael Shipley

Card#: W1370

Comments: FAILED

NOTE BAD CHECK VALVE
 IN PUMP STA.
 RETEST 3-19-19

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 16

Responding Witness: Steve Pelfrey and Chernell Holbrook

- Q-16. Refer to the water utility's response to the March 12 Order, Item 19. Provide the total number of customer meters that are greater than ten years old that a water utility currently has in service, if any, and provide any previous tests for each of these meters. If the meter has not been tested, please state in the affirmative and state why it has not been tested.**
- A-16. We have 107 meters that are greater than 10 years old. Due to financial issues, we have not been able to replace these meters. We are currently working with our new Engineer and Rural Development for funding on meter replacements.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 17

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-17. Refer to the water utility's response to the March 12 Order, Item 22. For water utilities that do not utilize supervisory control and data acquisition (SCADA) technology within its system, state the reasons why the water utility does not utilize SCADA technology within its system.

A-17. We do use a SCADA system.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 18

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-18. Refer to the water utility's response to the March 12 Order, Item 23. For water utilities that do not utilize telemetry within its system, state the reasons why the water utility does not utilize telemetry within its system.

A-18. We do use telemetry in our system.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 19

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-19. Refer to the water utility's response to the March 12 Order, Item 26.

- a) For water utilities that currently utilize master meter zones in leak detection, state how the data from the zone meters is used to reduce water loss and whether the water utility has a sufficient number of zone meters to monitor its entire system.**
- b) For water utilities that currently do not utilize master meter zones in leak detection, state with specific detail whether doing so would assist in the water utility's water loss reduction efforts or why it would not.**

A-19. We do not have a sufficient number of zone meters, but we are currently working with our new Engineer on a water loss project and zone meters will be considered. We do believe it would help in detecting leaks.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 20

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-20. Refer to the water utility's response to the March 12 Order, Item 31.

- a) Provide the approximate hourly rate for the water utility's general manager/superintendent for the calendar years 2017 and 2018 utilizing actual hours worked, or if by salary by dividing the monthly salary by the standard 173.3 hours worked per month.**
- b) Provide the job title and job description for the general manager/superintendent from the water utility's handbook, if such a handbook exists. If the water utility does not currently have a handbook, provide the job title and a detailed job description for the general manager/superintendent that includes job duties.**

A-20.

- a) In 2017 the General Manager made, \$37,016.00, salary. In 2018 the General Manager retired. He had been paid \$17,375.60 up to the date of retirement, May 7th, 2018. He was replaced by Steve Pelfrey at \$20 per hour. Mr. Pelfrey was paid \$29,692.60 from May 7th, 2018 until the end of the year, which included overtime. Mr. Pelfrey remains our manager at \$20 per hour.**
- b) Please the attached.**

JOB DESCRIPTION

Job Title: District Manager

This person must be able to manage the affairs of the water district in accordance with objectives and policies of the water district board and to keep them informed relative to expansions, operations and other activities. Must have a minimum of high school education and a valid KY driver's license. Must be willing to travel and be on call for emergency situations nights, weekends and holidays when necessary. Must be willing to obtain a Distribution License when time allows. Must be willing to attend classes for further education when offered. Must be willing to go out into the field when needed.

Administer activities and oversee functions dealing with the areas of meter and service, payroll and personnel record retention. Required to act as a liaison between customers within the systems and the water district with any problems, complaints, etc. Will represent the water district in and at various professional, business and civic groups and in community affairs.

Has responsibility for planning for expansion and for preparation of district's budget and work plans. Plans for orderly flow of work for district employees. Plans for needs of the district in the areas of personnel and equipment.

Insures that on-going and continuous programs, testing procedures, are carried out in the proper manner.

Devises the organizational structure best suited to carry out the objectives of the water district. Selects, trains, evaluates performance and administers wage and salary plan for assigned personnel and terminates when necessary, subject to the approval of the water district board.

Directs all the activities of the water district with appropriate delegations, and makes certain that responsibilities and authorities are understood and accepted. Coordinates the functions of the water district engineers, attorneys, funding agencies, and water district employees engaged in the administration of the water district affairs. Maintains water loss records and reports to the Division of Water and the Public Service Commission monthly. Handles all correspondence with the Division of Water and Public Service Commission. Attends and records monthly board meetings. Provides Board Members with water loss reports and Profit & Loss Budget vs. Actual reports.

Must have good verbal and written communication skills. Willingness to deal with the public, news media, funding sources on a daily basis.

Handles customer service complaints involving payments, collections, continuity of service and line changes and follows up those handled to assure customer good will. Provide training necessary for new and existing personnel and authorizes professional training when warranted.

Insures that all employees maintain tools, transportation, work equipment and keep building clean, neat and in safe, working order.

Promote good public and consumer relations. Perform such other duties that are essential in the normal day to day operations of a water district.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 21

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-21. Refer to the water utility's response to the March 12 Order, Item 35. For water utilities that have not mapped their distribution area for service lines and connections, provide specific detail of the process of how the water utility locates its service lines and connections.

- a) State the process for water utility responses to 811 calls for line locates.**
- b) Provide an approximate date of completion for the water utility to map their entire distribution system for service lines and connections.**

A-21.

- a) We are not listed with the 811 service. We go by our as built plans.**
- b) We believe that our distribution system could be mapped within approximately 5 years.**

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 22

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-22. Refer to the water utility's response to the March 12 Order, Item 37a. For water utilities that have not requested prosecution of water theft (a.k.a. theft of services) by either the county attorney or commonwealth attorney's office, state the reasons why such requests have not been made.

A-22. We have requested prosecution from the County Attorney for water theft.

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 23

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-23. Refer to the water utility's response to the March 12 Order, Item 38. For a water utility that has stated in the affirmative that a leak adjustment is permitted, provide the current leak adjustment rate and applicable tariff page from the water utility's tariff on file with the Commission.

A-23. Please the attached tariff sheet.

FOR Morean County Water District
Community, Town or City

P.S.C. KY. NO. _____

Amended _____ SHEET NO. 4

CANCELLING P.S.C. KY. NO. _____

_____ SHEET NO. _____

MORGAN COUNTY WATER DISTRICT
(Name of Utility)

Rules And Regulations

11A. Leak Adjustments. A customer may make a request for a bill adjustment in the event of a hidden underground leak with the following conditions:

1. A hidden underground leak is defined as a leak in the customer service line between the meter and the premises.
2. Upon written request, Leak Adjustments will be granted to residential and commercial customers.
3. The customer must provide a plumber's statement or list of materials showing that the leak has been repaired.
4. After verification of repairs by the utility, the bill will be adjusted by comparing the usage during the leak billing period to the average usage for the past three billing periods.
5. The customer's bill will be based on two components. The first step will be to calculate the customer's average monthly usage over a three-month period. The second step will be to deduct the customer's average monthly usage (as calculated in the above) from the total amount of water that passed through the meter. The usage calculated in step one will be billed at the utility's regular rates, while the remaining usage will be charged at the per thousand gallon leak adjustment rate, which is defined as the wholesale rate the district pays its supplier for water. All water passing through the meter must be accounted and paid for by the customer. So the customer will owe the amount of his/her average bill plus the per thousand gallon leak adjustment rate for the remainder of the water that passed through the meter.

DATE OF ISSUE June 29, 2011
Month / Date / Year

DATE EFFECTIVE June 29, 2011
Month / Date / Year

ISSUED BY *Cynthia Montgomery*
(Signature of Officer)

TITLE Office Manager

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO. _____ DATED _____

KENTUCKY PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH <i>Brent Kirtley</i>
EFFECTIVE 6/29/2011 PURSUANT TO 807 KAR 5 011 SECTION 9 (1)

MORGAN COUNTY WATER DISTRICT

**Response to Commission's Order of May 3, 2019
Case No. 2019-00041**

Question No. 24

Responding Witness: Steve Pelfrey and Chernell Holbrook

Q-24. Refer to the water utility's response to the March 12 Order, Item 44. For utilities that responded that they currently do not have flushing equipment, state whether its board of commissioners or directors has ever discussed the purchase of flushing equipment to improve the water utility's system. Provide any applicable board minutes as an attachment to this request.

A-24. We do use automatic flushing devices on dead end lines.