

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Kevin N. Rogers

1. Provide a copy of the inspection procedures used to assure safe and adequate operation of the utility's facilities and compliance with KRS Chapter 278 and 807 KAR Chapter 5 that were adopted by Kentucky-American and are currently in force. If the inspection procedures for meters, meter settings, or valves, of any size or type, have been modified since January 1, 2010, state each modification

Response:

Kentucky American Water has adopted inspection procedures for providing assurance that our valves, fire hydrants and meter installations are operable and support public safety. Kentucky American is attaching a copy of the AWW valve inspection practice as part of this response. With the exception to a change in frequency of inspections of large valves, as set forth elsewhere in these responses, these procedures have been in place for years. Based on our institutional knowledge and records we have access to, Kentucky American has operated within these inspection procedures without any deficiency noted by Commission inspections until April, 2016.

Fire Hydrants

Kentucky American Water has a program to inspect every hydrant in the system on an annual basis to confirm that each is operational and that flow rates have not changed. The inspection process entails a visual inspection of all parts, a check for leakage, confirmation that the control valve is fully open and operational and lubrication of threads and moving parts where required. Any identified minor maintenance issues are addressed as part of the inspection process. The hydrant is then flow tested to document and reaffirm where applicable the availability of water to the hydrant in gallons per minute. Any weeds or brush growing around the hydrant are trimmed away and the hydrant is cleaned. All significant repair related issues are reported to the maintenance department of Kentucky American Water for follow up and resolution.

Valve Inspections

Kentucky American Water has adopted a valve inspection and exercise program to ensure that valves of all sizes are inspected and exercised at regularly scheduled intervals. The process includes inspection of the valve box top to assure that it fits securely and the integrity of the frame has not been compromised. The box is then vacuumed clean, when required. Each valve is exercised on a schedule as described in response to Item 6 of the Commission First Request for Information in this case. Each valve is exercised to the full number of turns to assure that it will function reliably. Maintenance concerns identified during this process prompt the creation of work orders that are assigned to the maintenance department for follow up. In addition to the routine valve inspections, Kentucky American Water operates a significant number of its valves each year during

routine distribution line maintenance and construction. While those operations will provide information about the functionality of the valve between inspections, Kentucky American Water does not track how many valves are operated and functioning appropriately outside of the inspection program. Please refer to the attached American Water Policy regarding valve inspections which is confidential and is being filed with a Petition for Confidential Treatment.

Meters Installations

Kentucky American Water uses Automated Meter Reading (AMR) technology to read meters each month. These meters have diagnostic and monitoring capabilities as described in response to Item 1 of the Commission Staff's First Request for Information in this proceeding. Further, meter installations are inspected at intervals that do not exceed mandated periodic meter testing intervals under the PSC regulations. A visual inspection is made of the meter top frame and lid to confirm that it is secure and not damaged. The setter or service line control valve is operated to allow for the changing of the meter, when required. Any maintenance issues observed are documented and submitted to the field maintenance group for resolution. Physical visits associated with service orders are made to premises in our distribution system for reported issues or customer needs, at which time an inspection will occur prior to periodic change out intervals.

All of the procedures described above are in force. The only procedure that has been modified since 2010 is the valve operations. In 2015, Kentucky American determined that the criticality of valves larger than 24" merited an annual inspection, and began to inspect those valves annually. Prior to that time, all valves 16" and larger were inspected every two years. All are designed to assure safe and adequate operation of the asset when required and the processes have been effective without having any negative impact on system reliability or adverse customer related incidents. KAW believes its operating procedures provide the efficiency, safety and reliability that is appropriate for its customers, however KAW recognizes that these procedures may not be in compliance with KRS Chapter 278 and 807 KAR Chapter 5 and is therefore requesting a deviation.

**ATTACHMENT FILED
UNDER PETITION FOR CONFIDENTIAL
TREATMENT**

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Kevin N. Rogers**

2. In a September 2, 2016 letter from David Shehee, Kentucky-American's Superintendent, Water Quality and Environmental Compliance, to Talina R. Mathews, Executive Director of the Commission, regarding the periodic water inspection of Kentucky-American's utility operations and management practices on April 27 and April 28, 2016, Mr. Shehee references a June 17, 2016 meeting between Kentucky-American and the Commission. Provide the name of each participant in the June 17, 2016 meeting.

Response:

The following Kentucky American Water employees met with Mark Rasche, Engineering/Water and Sewer Branch – Kentucky Public Service Commission, June 17, 2016:

Cody Brenneman – Operations Superintendent, Northern Division
Jarold Jackson – Operations Manager, Field Services
Justin Sensabaugh – Operations Manager, Production
David Shehee – Superintendent, Water Quality and Environmental Compliance

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Kevin N. Rogers**

3. Per the general outline for inspection procedures placed on file by Kentucky-American with the Commission, the minimum inspection period for valves and hydrants is stated as "annually." Provide the following:
 - a. Identify the individual or individuals who approved the decision to utilize an inspection period of two years for valves between 16-inch and 24-inch and state when the policy became effective.
 - b. For each individual identified in sub-part a. of this question, provide the job duties for the individual at the time when the decision was made to utilize an inspection period that is different from the inspection period stated in the inspection procedures placed on file by Kentucky-American with the Commission.
 - c. Identify the individual or individuals who approved the decision to utilize an inspection period of five years for valves smaller than 16-inch and state when the policy became effective.
 - d. For each individual identified in sub-part c. of this question, provide the job duties for the individual at the time when the decision was made to utilize an inspection period that is different from the inspection period stated in the inspection procedures place on file by Kentucky-American with the Commission.

Response:

- a. Kentucky American Water does not believe that the attached document is a Kentucky American Water document. It appears to be a Commission document upon which someone has written "KY-Am." For example, at the top of the first page, it states "Applicable to all water utilities." Kentucky American Water does not have any records indicating the document was ever created or adopted by Kentucky American Water as its inspection procedures. Nor does Kentucky American Water have any records in its files indicating that this was provided to the Commission by Kentucky American Water as a record of its inspection procedures. The adoption of an inspection interval of two years for 16" and 24" valves was approved on 11/21/2007 by the American Water Practice Development Team utilizing the AWWA Manual M44 as a reference in its development. A copy of this practice was filed in Case No. 2010-00036 in response to Item 154 of the Attorney General's First Data Request, filed April 26, 2010 and is attached to the response to Item 1 of this same Commission Request

for Information. This practice is a continuation of a previous American Water policy from 1992. Based on a review of Kentucky American Water valve inspection records, it appears that Kentucky American Water began utilizing an inspection period of 2 years for valves 16-inch and larger in 1993 or 1994. Due to the longevity of the practice, Kentucky American Water is unable to identify the specific individual or individuals who approved the decision to utilize a two-year inspection period for these valves.

- b. While unable to identify the individual or individuals who approved the decision to utilize an inspection period of two years for valves 16-inch and larger, this decision would have been made by a local senior member of the leadership team, in conjunction with operations supervisors who had extensive working knowledge of the operations of the distribution system and the requirements necessary to provide safe and reliable system operations.
- c. The adoption of an inspection interval of five years for valves smaller than 16" other than hydrant valves was approved on 11/21/2007 by the American Water Practice Development Team utilizing the AWWA Manual M44 as a reference in its development. This practice is a continuation of a previous American Water policy from 1992. Based on a review of Kentucky American Water valve inspection records, it appears that Kentucky American began utilizing an inspection period of 5 years for valves smaller than 16-inches as far back as 1973 to 1975. Due to the longevity of the practice, Kentucky American Water is unable to identify the specific individual or individuals who approved the decision to utilize a five-year inspection period for these valves.
- d. While unable to identify the individual or individuals who approved the decision to utilize an inspection period of five years for valves smaller than 16-inches (except for hydrant valves), this decision would have been made by a local senior member of the leadership team, in conjunction with operations supervisors who had extensive working knowledge of the operations of the distribution system and the requirements necessary to provide safe and reliable system operations.

GENERAL OUTLINE FOR INSPECTION PROCEDURES
Applicable to all Water Utilities

<u>Equipment</u>	<u>Minimum Inspection Period</u>
A. Water Meters (Mastermeters)	Annually
1. Turbine Meters	
2. Compound Meters	
B. Tanks	Annually
1. Standpipes	
2. Elevated Tank	
3. Reservoirs	
C. Wells	Quarterly
1. Infiltration	
2. Pumps	
3. Motors	
D. Valves and Hydrants	Annually
1. Gate Valves	
2. Sluice Valves	
3. Dry-Barrel Fire Hydrants	
4. Wet-Barrel Fire Hydrants	
5. Rubber-Seated Butterfly Valves	
6. Backflow Prevention Device (Double Check Valve Types)	
7. Ball Valves	
8. Swing-Check Valves	
E. Pumping Equipment	Semi-Annually
1. Pump	
2. Motors	
F. Buildings	Annually
1. Conditions: paint, structure, roof, windows	
2. Wiring	
3. Safety Codes	
G. Vehicles	Monthly
1. Fluid Levels	
2. Belts	
3. Lights	
4. Horn	
5. Tires	

WATER STORAGE INSPECTION

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

Size: _____ Location: _____

Date Constructed: _____

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?
() Fair () Poor

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 () Bad
5. Condition of intermediate coat? () Good () Fair
() Bad
6. Condition of primer coat? () Good () Fair () Bad
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
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:

Site Facility Inspection

Treatment Plant

Location: _____

Deficiency
()

1.) Does the treatment plant meter raw water?

A.) Source of Water: _____

()

2.) Does the treatment plant meter finished water?

3.) Chemical Feed Equipment: _____

()

4.) Does the treatment plant meter water used to backflush filters?

Condition of the following:

A. Vents and overflows: _____

B. Valves and gauges: _____

C. Weirs and Sweeps: _____

D. Building - Structures: _____

E. Paint: _____

BUILDING INSPECTION

Building Type: () Concrete () Metal
() Frame Construction

Building Purpose: _____

Location: _____

Exterior:

1. Structure condition: () Good () Fair () Poor
2. Roof Type: () Flat () Sloped
Roof material: _____
 - a. Does roof show any signs of leakage?
() Yes () No
 - b. Is the roof guttered? () Yes () No
3. Does structure contain any windows? () Yes () No
 - a. Are any windows broken? () Yes () No
 - b. Are windows secured with locks or bars?
() Yes () No
4. Door type: () Wood () Metal
 - a. Does door have adequate security? () Yes () No
 - b. Are doors in good shape? () Yes () No
 - c. Would door prevent general public from entry?
() Yes () No
5. Does structure need painting?
() Yes () No () N/A
6. Does structure meet general safety codes?
() Yes () No
7. Does structure have all wiring in conduit?
() Yes () No
8. Does structure have a fence? () Yes () No
9. Is access road to structure adequate? () Yes () No
10. Does structure have a sign identifying ownership and who to contact in case of an emergency? () Yes () No

PUMP STATION INSPECTION

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

Location: _____

Number of pumps in station: _____

Size motor: _____ Rating of pump(s): _____

Year pump station was constructed: _____

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

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

If yes, what area: _____

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

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: _____

Inspection Date: _____

Hydrant Record

Location _____ No. _____

Type _____ Make _____

Number Outlets _____ 2-1/2" _____ 4-1/2" In Service _____

Size of Main _____ Size of Riser _____

Static Pressure _____ Flow Pressure _____

Connected to Grid System? _____ Discharge _____

(Gallons per minimum)

Provided with Street Gate Valve? _____ Give Location: _____

Remarks: _____

Annual Inspection Report

Date	Flushed	Lubricated	Painted	Repaired	Pentagon	Cap & Chain	Checked by	Remarks

Inspected by: _____ Follow-up Inspected by: _____

VALVE RECORD

NUMBER _____

LOCATION _____

VALVE LOCATION _____

NO. _____ MAP NO. _____

POLE NO. _____

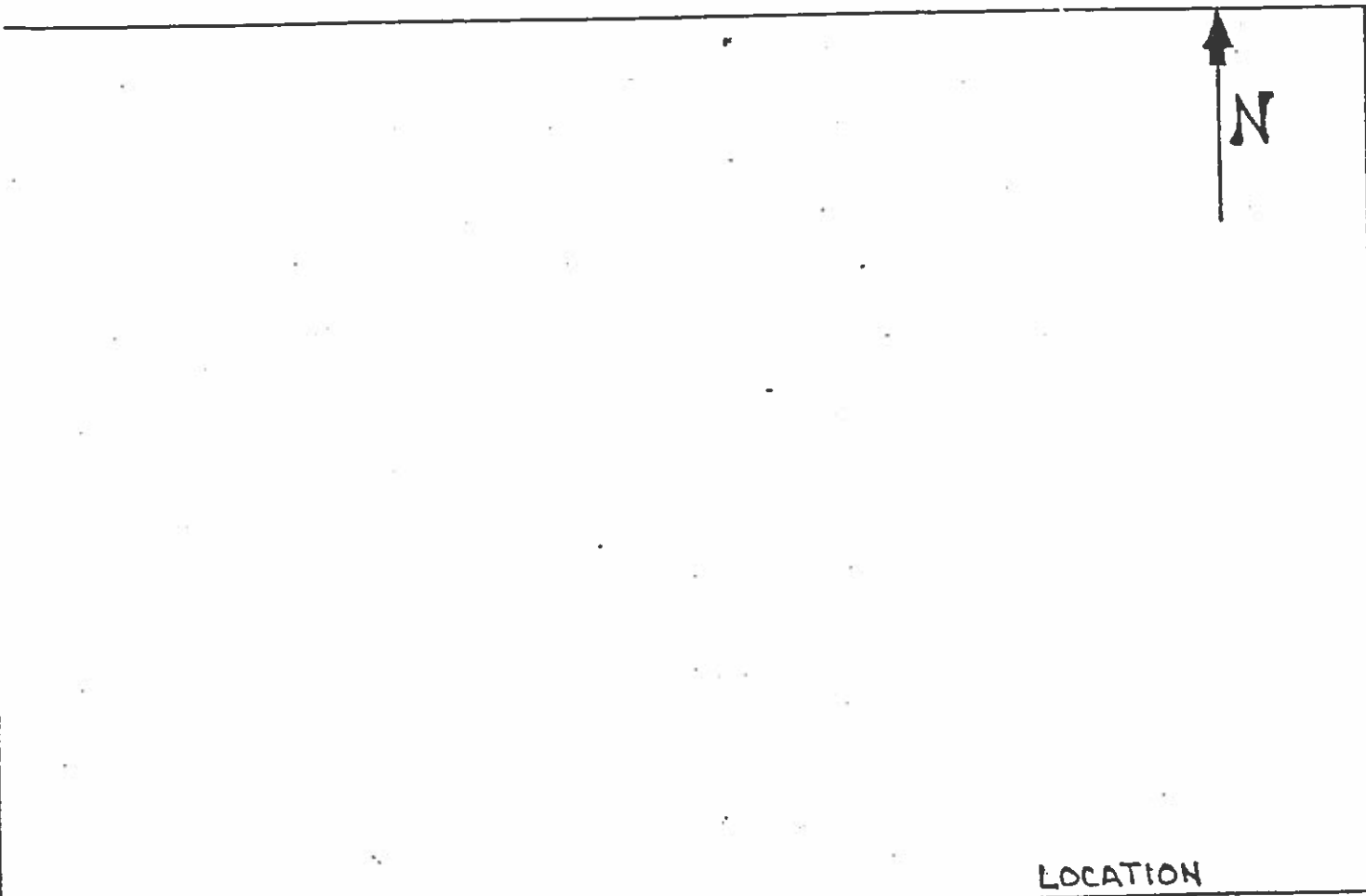
MAKE _____ TYPE _____ GEARING _____ BYPASS _____

URNS _____ TURNS TO OPERATE _____ SET IN _____ DEPTH OF NUT _____

MARKS _____ (sketch on back if necessary)

MAINTENANCE & INSPECTION REPORT

DATE	WORK DONE	O.K. BY	DATE	WORK DONE	O.K. BY



LOCATION

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Kevin N. Rogers**

4. The inspection procedures that have been placed on file by Kentucky-American with the Commission contain a minimum inspection period for "Water Meters (Mastermeters)." State whether Kentucky-American has inspection procedures for its water meters that are not Mastermeters and, if applicable, provide the inspection procedures.

Response:

Kentucky American Water does not believe that the referenced document is a Kentucky American Water document. It appears to be a Commission document upon which someone has written "KY-Am". For example, at the top of the first page, it states "Applicable to all water utilities." Kentucky American Water does not have any records in its files that the document was ever created or adopted by Kentucky American Water as its inspection procedures. Nor does Kentucky American Water have any records in its files to indicate that the attached document was provided to the Commission as a record of its inspection procedures. Please refer to the response to Item 1 of this same Request for Information for a description of Kentucky American Water's water meter inspection procedure.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Kevin N. Rogers/Linda C. Bridwell

5. Refer to the Estimated Labor Costs in Kentucky-American's Application and, for the period beginning January 1, 2010, through the present, provide the following:
- a. State whether Kentucky-American's rate applications in Case No. 2015-00418¹, 2012-00520², and 2010-00036³ included amounts for forecasted operations labor expenses.
 - b. For the test year for each rate case application listed in sub-part a. of this question, state whether Kentucky-American's forecasted labor expenses were developed under the assumption that Kentucky-American would conduct inspections of all valves not less frequently than annually. If the response is negative for any of the test years, then state the assumption that was used for that test year.
 - c. For each rate case application listed in sub-part a, if Kentucky-American based its test year forecasted labor expenses on the assumption that it would not conduct inspections of all valves at least annually, identify the portion(s) of the record in which Kentucky-American disclosed any adjustment or difference in forecasted labor expenses attributable to or a result of the use of a valve inspection schedule through which Kentucky-American was not inspecting all of its valves not less frequently than annually.
 - d. For each rate case identified in sub-part a., by rate case, identify the individual or individuals responsible for developing Kentucky-American's forecasted labor expenses, and, for each individual, provide the job duties for the individual at the time when the forecasted labor expenses were developed.

Response:

- a. Yes, Kentucky-American's rate applications in Case No. 2015-00418, 2012-00520 and 2010-0036 included amount for forecasted operations labor expenses.

¹ *Application of Kentucky-American Water Company for an Adjustment of Rates* (filed Jan. 29, 2016).

² *Application of Kentucky-American Water Company for an Adjustment of Rates Supported by a Fully Forecasted Test Year* (filed Dec. 28, 2012).

³ *Application of Kentucky-American Water Company for an Adjustment of Rates Supported by a Fully Forecasted Test Year* (filed Feb. 26, 2010).

- b. No, the forecasted labor expenses in each of the three rate cases were based on the assumption that Kentucky American Water would conduct inspections of all valves less frequently than annually. The forecasted labor expenses were based on the historical and typical manner of work that was expected to continue in the forecasted test period.
- c. For each rate case application listed in sub-part a, Kentucky American Water projected the forecasted labor expenses on the assumptions listed in sub-part b. As identified in the response to Item 4 of this same data request, Kentucky American Water had been utilizing this inspection procedure for at least 25 years or longer. Due to the length of time that Kentucky American Water had been inspecting its valves less than annually, there was no reason to disclose or identify an adjustment or difference in forecasted labor expenses attributable to less than annual inspections because there was no such “adjustment” made for that reason. In testimony regarding operations in each rate case application listed in sub-part a, Kentucky American Water specifically identified ways that it was focusing on driving operational efficiencies while maintaining high customer satisfaction levels, but did not include the valve inspection procedures.
- d. In each rate case application listed in sub-part a, the Kentucky American Water Vice-President of Operations worked with the Rates Manager and team to develop the forecasted labor expenses. In Case No. 2010-0036, the Vice-President Operations was Keith Cartier and the Rates Manager was Sheila Miller. In Case No. 2012-00520, the Vice-President Operations was Keith Cartier and the Rates Manager was Linda Bridwell. In Case No. 2015-00418, the Vice-President of Operations was Kevin Rogers and the Rates Manager was Linda Bridwell. In each case, the Vice-President Operations is responsible for the supervision of all operations of Kentucky American Water, including production, field services and customer accounting. The Rates Manager is responsible for developing an accurate forecast of a revenue requirement and presenting it to the Commission in a rate case, as well as compliance for all regulatory matters.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Kevin N. Rogers**

6. State whether Kentucky-American conducts visual inspections of its meters and meter settings as often as necessary but not less frequently than annually. If Kentucky-American is not currently conducting visual inspections of its meters and meter settings at least annually, state the date when Kentucky-American was last conducting such inspections not less frequently than annually.

Response:

Kentucky American Water conducts visual inspections of meters and meter settings as often as necessary, but less frequently than annually. The implementation of AMR began in 1998 and minimized the need to physically visit each meter monthly for billing purposes. This implementation of AMR also provided more robust information than a quick visual inspection each month as described in response to Item 1 of the Commission Staff's First Request for Information in this proceeding. This implementation was the start of the migration to a total electronic reading system which included the use of touchpad reading monthly for non-AMR meter settings. Full AMR implementation was completed in 2013 and was discussed in Mr. Keith Cartier's Direct Testimony in Case No. 2012-00520 as an example of operating efficiencies being implemented by Kentucky American Water.¹ Visual inspections of all parts of a meter installation are made whenever trouble coding associated with the reading process is obtained. The information is utilized to generate service orders to have issues addressed by field maintenance personnel.

¹ Direct Testimony of Mr. Keith Cartier, Case No. 2012-00520, p. 15.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Kevin N. Rogers**

7. Notwithstanding the prior question, state whether Kentucky-American conducts visual inspections of its Mastermeters and their meter settings as often as necessary but not less frequently than annually. If Kentucky-American is not currently conducting visual inspections of its Mastermeters and their meter settings at least annually , state the date when Kentucky-American was last conducting such inspections at least annually.

Response:

Assuming that a Mastermeter is considered a meter used for Sales for Resale customers, Kentucky American Water conducts annual visual inspections as part of a field test on all 4-inch or larger meters. There is one Mastermeter that is a 2-inch meter and it is inspected and replaced on the 4-year cycle as required by KAR 807 KAR 5:066 Section 16 (1). As part of this deviation request, Kentucky American would continue to utilize the AMR technology to relay monthly information about each of the Sales for Resale customers, field test the Mastermeters and visually inspect all of their meter settings on annual basis except for the 2" meter as described above.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Kevin N. Rogers**

8. Refer to Kentucky-American response to Commission Staff's First Request for Information, Item 6, and provide the following information:
- a. State whether Kentucky-American conducts periodic inspections of its valves, of all sizes, as often as necessary but not less frequently than established in 807 KAR 5:006, Section 26(6)(b).
 - b. If Kentucky-American is not conducting periodic inspections of its valves, of all sizes, as often as necessary but not less frequently than established in 807 KAR 5:006, Section 26(6)(b) , state the date when Kentucky-American was last in compliance with 807 KAR 5:006, Section 26(6)(b).
 - c. Notwithstanding the request in sub-part b of this question, state whether Kentucky-American has ever conducted inspections of its valves, regardless of size, at a frequency not less frequently than annually. If it was conducting inspections of all of its valves at a frequency not less than annually, state when and explain why Kentucky-American ceased conducting inspections at this frequency.

Response:

- a. Kentucky American Water conducts visual inspections of valves of all sizes as often as necessary, but less frequently than annually.
- b. Historical records dating back to 1971 indicate that Kentucky American Water had a program in place to inspect and exercise valves, but not all of them annually.
- c. Kentucky American Water does not have records indicating that it has ever inspected each valve, regardless of size, on an annual basis. Kentucky American Water has not located any inspection records prior to 1971 and believes that they were discarded.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2016-00394
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Kevin N. Rogers

9. Refer to 807 KAR 5:006, Section 26(3), which states: "Appropriate records shall be kept by a utility to identify the inspection made, the date and time of inspection, the person conducting the inspection, the deficiencies found, and action taken to correct the deficiencies." Provide the following:
- a. Kentucky-American's most recent inspection record for each valve 16-inch or larger;
 - b. By year, for the years 2010 through 2016, the number of valves larger than 24-inch in Kentucky-American's system, the number of inspections conducted by Kentucky-American of valves larger than 24-inch, and the number of valves found to have deficiencies. By year, for the same period, provide a schedule that summarizes the number of deficiencies found during the inspections by type of deficiency and the action necessary to correct the deficiency.
 - c. By year, for the years 2010 through 2016, the number of valve failures or damage in valves larger than 24-inch in Kentucky-American's system discovered during an attempt to use the valve while not conducting an inspection. By year, for the same period, provide a schedule that summarizes the deficiencies determined to be responsible for the failures, the action necessary to correct the deficiency, and whether the valve had been inspected within 12 months prior to the failure.
 - d. By year, for the years 2010 through 2016, the number of valves between 16-inch and 24-inch in Kentucky-American 's system, the number of inspections conducted by Kentucky-American of valves between 16-inch and 24-inch, and the number of valves found to have deficiencies. By year, for the same period, provide a schedule that summarizes the number of deficiencies found during the inspections by type of deficiency and the action necessary to correct the deficiency.
 - e. By year, for the years 2010 through 2016, the number of valve failures or damage in valves between 16-inch and 24-inch in Kentucky-American's system discovered during an attempt to use the valve while not conducting an inspection. By year, for the same period, provide a schedule that summarizes the deficiencies determined to be responsible for the failures, the action necessary to correct the deficiency, and whether the valve had been inspected within 12 months prior to the failure.
 - f. By year, for the years 2010 through 2016, the number of valves smaller than 16-

inch in Kentucky-American's system, the number of inspections conducted by Kentucky-American of valves smaller than 16-inch, and the number of valves found to have deficiencies. By year, for the same period, provide a schedule that summarizes the number of deficiencies found during the inspections by type of deficiency and the action necessary to correct the deficiency.

- g. By year, for the years 2010 through 2016, the number of valve failures or damage in valves smaller than 16-inch in Kentucky-American's system discovered during an attempt to use the valve while not conducting an inspection. By year, for the same period, provide a schedule that summarizes the deficiencies determined to be responsible for the failures, the action necessary to correct the deficiency, and whether the valve had been inspected within 12 months prior to the failure.

Response:

- a. Please refer to the attachment.
- b. Please refer to the attachment.
- c. Kentucky American Water does not track the requested information on failures discovered during an attempt to use any particular valve for any reason. Due to the critical nature and size of the valves, Kentucky American was able to gather from talking with field personnel that one 30" valve was found to be deficient while attempting to operate it other than during a routine inspection in 2015. This valve wouldn't fully shut, and had been inspected within the previous 12 months. This is not included in the deficiencies identified in response to part b above.
- d. Please refer to the attachment.
- e. Kentucky American Water does not track the requested information on failures discovered during an attempt to use any particular valve for any reason. Due to the critical nature and size of the valves, Kentucky American was able to gather from talking with field personnel that one 24" valve was found to be deficient while attempting to operate it other than during a routine inspection in 2015. This valve wouldn't function properly, and had been inspected within the previous 12 months. This is not included in the deficiencies identified in response to part d above.
- f. Please refer to the attachment. Kentucky American was able to determine the information during the period from 2012-2016. Please note that in 2012, Kentucky American transferred its asset maintenance program to an electronic program, and Kentucky American has been unable to locate the paper copies of valve inspection records for 2010 and 2011.

- g. As mentioned in response to parts c and e above, Kentucky American Water does not track the requested information on failures discovered during an attempt to use any particular valve. As mentioned in part f above, Kentucky American was able to reasonably identify all of the valves, smaller than 16” and not hydrant valves, that required maintenance each year from 2012-2016. However, Kentucky American is unable to determine whether the Company found the deficiency during a routine inspection or during an attempt to operate for another reason. Kentucky American Water is unable to make a reasonably accurate projection by surveying employees due to the large number of valve operations of this size that occur during the course of any given time period.

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
16	14140	5/8/2012	3:26:18 AM	POINDEXD	0	38	Acceptable – No Further Action
16	15031	5/11/2012	3:26:23 AM	HALLEJ	0	50	Acceptable – No Further Action
16	26896	5/11/2012	3:26:20 AM	HALLEJ	0	51	Acceptable – No Further Action
16	3587A	5/23/2012	3:39:05 AM	POINDEXD	0	50	Acceptable – No Further Action
16	PS7109	5/23/2012	3:26:37 AM	POINDEXD	0	0	Acceptable – No Further Action
16	26891	6/13/2012	3:26:23 AM	POINDEXD	200	50	Acceptable – No Further Action
16	26894	6/13/2012	3:26:25 AM	POINDEXD	0	0	Reschedule - Cannot Find/Missing
16	15303S	1/9/2013	4:06:57 AM	POINDEXD	0	37	Acceptable – No Further Action
16	15884S	1/9/2013	4:06:57 AM	POINDEXD	200	37	Acceptable – No Further Action
16	PS15885S	1/9/2013	4:06:58 AM	POINDEXD	0	41	Acceptable – No Further Action
16	PS15887S	1/9/2013	4:06:58 AM	POINDEXD	0	37	Acceptable – No Further Action
16	22969	1/16/2013	3:22:09 AM	RIGGSBW	0	50	Acceptable – No Further Action
16	22971	1/16/2013	3:22:09 AM	RIGGSBW	0	50	Acceptable – No Further Action
16	FS14382S	1/24/2013	3:21:02 AM	RIGGSBW	0	40	Acceptable – No Further Action
16	16667	2/16/2013	3:19:33 AM	RIGGSBW	0	97	Acceptable – No Further Action
16	758	2/16/2013	3:19:28 AM	RIGGSBW	0	91	Acceptable – No Further Action
16	15850	2/22/2013	3:19:19 AM	RIGGSBW	0	0	Reschedule - Cannot Find/Missing
16	PS16114A	2/22/2013	3:19:22 AM	RIGGSBW	0	0	Out of Service
16	16601	2/27/2013	3:20:05 AM	HALLEJ	200	105	Acceptable – No Further Action
16	17780	2/27/2013	3:20:17 AM	HALLEJ	100	50	Acceptable – No Further Action
16	15913A	3/1/2013	3:21:51 AM	RIGGSBW	200	195	Acceptable – No Further Action
16	15914A	3/1/2013	3:21:52 AM	RIGGSBW	200	214	Acceptable – No Further Action
16	7276A	3/11/2013	3:19:41 AM	HALLEJ	400	37	Acceptable – No Further Action
16	26893	6/18/2013	-	-	-	-	Acceptable – No Further Action
16	26050	6/27/2013	3:58:38 PM	KINLEYVE	0	0	Repair - Low Complexity
16	13634W	2/11/2014	1:35:28 PM	RIGGSBW	0	38	Acceptable – No Further Action
16	13639W	2/12/2014	11:25:30 AM	RIGGSBW	0	39	Acceptable – No Further Action
16	13633	4/11/2014	11:00:05 AM	KINLEYVE	100	39	Acceptable – No Further Action
16	13637W	4/11/2014	1:04:44 PM	KINLEYVE	100	39	Acceptable – No Further Action
16	26355	4/11/2014	3:44:30 PM	KINLEYVE	200	37	Acceptable – No Further Action
16	2915A	4/11/2014	8:49:00 AM	KINLEYVE	0	0	Repair - Medium Complexity
16	PS13511A	4/11/2014	4:32:48 PM	KINLEYVE	0	0	Repair - Low Complexity
16	PS2392A	4/11/2014	11:42:50 AM	KINLEYVE	200	172	Acceptable – No Further Action
16	PS2520A	4/11/2014	9:29:05 AM	KINLEYVE	100	48	Acceptable – No Further Action
16	PS10373	1/7/2015	2:00:52 PM	HORNLD	0	37	Acceptable – No Further Action
16	PS10375	1/7/2015	2:38:29 PM	HORNLD	0	31	Acceptable – No Further Action
16	14138	1/20/2015	2:41:47 PM	HORNLD	0	39	Acceptable – No Further Action
16	26879A	1/20/2015	12:43:25 PM	HORNLD	0	95	Acceptable – No Further Action
16	26882	1/20/2015	1:34:43 PM	HORNLD	0	49.5	Acceptable – No Further Action
16	5575A	1/20/2015	1:56:38 PM	HORNLD	0	49.5	Acceptable – No Further Action
16	5576A	1/20/2015	1:58:28 PM	HORNLD	0	49.5	Acceptable – No Further Action
16	15029	1/22/2015	2:35:10 PM	HORNLD	0	30	Acceptable – No Further Action
16	5544A	1/22/2015	2:33:06 PM	HORNLD	250	108	Acceptable – No Further Action
16	5572A	1/22/2015	2:47:47 PM	HORNLD	0	0	Repair - Medium Complexity
16	14137	1/23/2015	12:43:47 PM	HORNLD	100	40	Acceptable – No Further Action
16	14139A	1/23/2015	10:50:24 AM	HORNLD	0	107	Acceptable – No Further Action
16	16060	1/23/2015	1:23:37 PM	HORNLD	100	50	Acceptable – No Further Action
16	5573A	1/23/2015	2:52:36 PM	HORNLD	250	102	Acceptable – No Further Action
16	15030	2/4/2015	2:15:00 PM	HORNLD	100	30	Acceptable – No Further Action
16	26873A	2/4/2015	2:51:36 PM	HORNLD	200	106	Acceptable – No Further Action
16	26874A	2/4/2015	2:53:51 PM	HORNLD	200	106.5	Acceptable – No Further Action
16	16703	2/11/2015	3:05:57 PM	HORNLD	200	100.5	Acceptable – No Further Action
16	16704	2/11/2015	3:07:01 PM	HORNLD	200	100.5	Acceptable – No Further Action
16	26876	2/11/2015	11:03:26 AM	HORNLD	100	49.5	Acceptable – No Further Action
16	26877	2/11/2015	10:59:34 AM	HORNLD	100	49.5	Acceptable – No Further Action
16	13079	2/12/2015	3:04:41 PM	HORNLD	100	39	Acceptable – No Further Action
16	16714	2/12/2015	3:06:15 PM	HORNLD	100	29	Acceptable – No Further Action
16	17602	2/12/2015	2:59:53 PM	HORNLD	100	50	Acceptable – No Further Action
16	20331	2/12/2015	3:02:15 PM	HORNLD	100	99	Acceptable – No Further Action
16	20332	2/12/2015	3:03:26 PM	HORNLD	200	99	Acceptable – No Further Action
16	20333	2/12/2015	3:01:04 PM	HORNLD	150	50	Acceptable – No Further Action
16	15854A	2/13/2015	10:14:20 AM	KINLEYVE	300	221	Acceptable – No Further Action
16	27034A	2/13/2015	11:32:52 AM	KINLEYVE	100	50	Acceptable – No Further Action
16	27035A	2/13/2015	3:09:55 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	27041A	2/13/2015	3:12:17 PM	KINLEYVE	200	212.5	Acceptable – No Further Action
16	27040A	2/23/2015	2:07:48 PM	KINLEYVE	200	211.5	Acceptable – No Further Action
16	7110A	2/23/2015	2:53:16 PM	HORNLD	0	10	Repair - Medium Complexity
16	10524A	2/24/2015	10:59:40 AM	KINLEYVE	300	104	Acceptable – No Further Action
16	12031	2/24/2015	3:23:40 PM	KINLEYVE	100	39	Acceptable – No Further Action
16	15204	2/24/2015	2:45:10 PM	HORNLD	100	30.5	Acceptable – No Further Action
16	15205	2/24/2015	3:11:18 PM	HORNLD	100	30	Acceptable – No Further Action
16	16710	2/24/2015	11:47:14 AM	HORNLD	250	99.5	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
16	27420A	2/24/2015	2:15:46 PM	KINLEYVE	300	104	Acceptable – No Further Action
16	12029	2/26/2015	3:13:12 PM	KINLEYVE	100	39	Acceptable – No Further Action
16	12032	2/26/2015	9:49:09 AM	KINLEYVE	100	39	Acceptable – No Further Action
16	13296	2/26/2015	2:36:20 PM	HORNLD	150	50	Acceptable – No Further Action
16	15206	2/26/2015	2:06:12 PM	HORNLD	100	30.5	Acceptable – No Further Action
16	26317A	2/26/2015	3:16:38 PM	KINLEYVE	250	110	Acceptable – No Further Action
16	22311A	2/27/2015	3:32:45 PM	KINLEYVE	250	109.5	Acceptable – No Further Action
16	12034	3/2/2015	3:50:45 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	12037	3/2/2015	3:50:41 PM	KINLEYVE	100	38.5	Acceptable – No Further Action
16	13033	3/2/2015	3:50:49 PM	KINLEYVE	250	38.8	Repair - Medium Complexity
16	13022	3/3/2015	9:33:59 AM	KINLEYVE	100	38.5	Acceptable – No Further Action
16	13023	3/3/2015	9:33:02 AM	KINLEYVE	100	38.5	Acceptable – No Further Action
16	16705	3/3/2015	9:36:39 AM	HORNLD	200	100	Acceptable – No Further Action
16	13017	3/4/2015	3:37:04 PM	KINLEYVE	100	38.5	Acceptable – No Further Action
16	271A	3/4/2015	11:03:03 AM	KINLEYVE	200	105	Acceptable – No Further Action
16	12028	3/9/2015	9:34:17 AM	KINLEYVE	100	38.5	Acceptable – No Further Action
16	12041	3/9/2015	2:55:01 PM	KINLEYVE	100	39	Acceptable – No Further Action
16	15855A	3/10/2015	3:39:06 PM	KINLEYVE	200	211	Acceptable – No Further Action
16	5566A	3/10/2015	1:44:32 PM	HORNLD	200	104.5	Acceptable – No Further Action
16	5600A	3/10/2015	12:35:42 PM	HORNLD	0	0	Repair - Medium Complexity
16	6876A	3/10/2015	11:44:34 AM	KINLEYVE	400	192.5	Acceptable – No Further Action
16	7266	3/10/2015	3:33:15 PM	KINLEYVE	100	50	Acceptable – No Further Action
16	7276	3/10/2015	2:00:13 PM	KINLEYVE	100	34.5	Acceptable – No Further Action
16	13345A	3/11/2015	11:17:49 AM	HORNLD	350	184.5	Acceptable – No Further Action
16	5565A	3/11/2015	10:03:32 AM	HORNLD	200	105	Acceptable – No Further Action
16	15555	3/12/2015	3:10:23 PM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	15556	3/12/2015	10:23:47 AM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	15561	3/12/2015	3:09:17 PM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	2645A	3/12/2015	12:57:37 PM	KINLEYVE	0	0	Acceptable – No Further Action
16	2649A	3/12/2015	9:58:53 AM	KINLEYVE	0	0	Repair - Medium Complexity
16	2917A	3/12/2015	11:04:17 AM	KINLEYVE	0	0	Repair - Medium Complexity
16	3	3/12/2015	-	-	-	-	Repair - Medium Complexity
16	15468	3/13/2015	10:19:53 AM	HORNLD	0	0	Repair - Medium Complexity
16	15557	3/16/2015	10:04:10 AM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	16923	3/16/2015	2:52:36 PM	HORNLD	100	30	Acceptable – No Further Action
16	16924	3/16/2015	2:51:13 PM	HORNLD	100	31	Acceptable – No Further Action
16	16925	3/16/2015	2:49:47 PM	HORNLD	100	27	Acceptable – No Further Action
16	16926	3/16/2015	2:48:32 PM	HORNLD	150	25	Acceptable – No Further Action
16	16927	3/16/2015	2:47:10 PM	HORNLD	100	31	Acceptable – No Further Action
16	16931	3/16/2015	2:45:27 PM	HORNLD	100	30	Acceptable – No Further Action
16	16933	3/16/2015	2:34:01 PM	HORNLD	100	31	Acceptable – No Further Action
16	16936	3/16/2015	2:30:24 PM	HORNLD	100	31	Acceptable – No Further Action
16	2406A	3/16/2015	1:08:35 PM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	2910A	3/16/2015	11:41:35 AM	KINLEYVE	600	199.5	Acceptable – No Further Action
16	16922	3/17/2015	4:33:23 PM	HORNLD	100	30	Acceptable – No Further Action
16	18173	3/17/2015	3:28:34 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	18175	3/17/2015	3:28:42 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	18176	3/17/2015	3:29:09 PM	KINLEYVE	100	50	Acceptable – No Further Action
16	18177	3/17/2015	3:28:51 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	22618	3/17/2015	3:28:54 PM	KINLEYVE	100	50	Acceptable – No Further Action
16	22968	3/17/2015	4:37:08 PM	HORNLD	100	51	Acceptable – No Further Action
16	23962	3/17/2015	3:49:15 PM	HORNLD	0	0	Out of Service
16	25497A	3/17/2015	4:28:24 PM	HORNLD	150	150	Acceptable – No Further Action
16	25499A	3/17/2015	4:30:52 PM	HORNLD	150	138	Acceptable – No Further Action
16	19091	3/18/2015	10:10:08 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	19092	3/18/2015	10:08:53 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	5484A	3/18/2015	1:42:52 PM	KINLEYVE	200	105	Acceptable – No Further Action
16	5485A	3/18/2015	1:35:04 PM	KINLEYVE	400	92.5	Acceptable – No Further Action
16	5486A	3/18/2015	1:40:28 PM	KINLEYVE	200	104	Acceptable – No Further Action
16	5488A	3/18/2015	3:23:06 PM	KINLEYVE	300	104	Acceptable – No Further Action
16	6221	3/18/2015	10:07:28 AM	KINLEYVE	100	50	Acceptable – No Further Action
16	2403A	3/19/2015	8:47:29 AM	KINLEYVE	0	0	Repair - Medium Complexity
16	5495A	3/19/2015	2:20:26 PM	KINLEYVE	300	105	Acceptable – No Further Action
16	5497B	3/19/2015	2:25:57 PM	KINLEYVE	0	11	Acceptable – No Further Action
16	5498B	3/19/2015	2:27:51 PM	KINLEYVE	0	11	Acceptable – No Further Action
16	PS10359	3/19/2015	3:33:35 PM	HORNLD	150	150	Acceptable – No Further Action
16	PS10361	3/19/2015	3:37:39 PM	HORNLD	100	39	Acceptable – No Further Action
16	PS10369	3/19/2015	3:32:18 PM	HORNLD	100	48	Acceptable – No Further Action
16	PS14658	3/19/2015	-	-	-	-	Out of Service
16	13396	3/20/2015	1:39:04 PM	HORNLD	100	35	Acceptable – No Further Action
16	19063	3/20/2015	2:56:40 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	19081	3/20/2015	2:57:37 PM	KINLEYVE	100	49	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
16	19087	3/20/2015	1:34:14 PM	KINLEYVE	100	49	Acceptable – No Further Action
16	19088	3/20/2015	9:10:19 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	19089	3/20/2015	9:09:30 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	22967	3/20/2015	12:43:52 PM	HORNLD	100	51	Acceptable – No Further Action
16	19059	3/23/2015	12:57:19 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	19061	3/23/2015	12:58:08 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	19062	3/23/2015	3:17:54 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	19082	3/23/2015	10:25:45 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	19083	3/23/2015	10:26:47 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	5520	3/23/2015	12:07:38 PM	HORNLD	100	39	Acceptable – No Further Action
16	5543A	3/23/2015	12:09:10 PM	HORNLD	250	106	Acceptable – No Further Action
16	5567A	3/23/2015	2:34:51 PM	HORNLD	100	32	Acceptable – No Further Action
16	7108A	3/23/2015	-	-	-	-	Acceptable – No Further Action
16	19084	3/25/2015	2:32:07 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	19085	3/25/2015	2:31:10 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	19086	3/25/2015	2:30:25 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
16	PS13312	3/25/2015	-	-	-	-	-
16	22035	3/26/2015	12:22:09 PM	HORNLD	100	52	Acceptable – No Further Action
16	23290	3/26/2015	12:23:35 PM	HORNLD	100	53	Acceptable – No Further Action
16	23294	3/26/2015	1:27:44 PM	HORNLD	100	51	Acceptable – No Further Action
16	23296	3/26/2015	1:26:29 PM	HORNLD	100	51	Acceptable – No Further Action
16	3092A	3/27/2015	10:39:28 AM	KINLEYVE	300	98	Acceptable – No Further Action
16	13004	3/28/2015	2:39:29 PM	KINLEYVE	150	38.5	Acceptable – No Further Action
16	305	3/28/2015	2:38:30 PM	KINLEYVE	300	31	Acceptable – No Further Action
16	3412A	3/31/2015	9:01:48 AM	KINLEYVE	0	0	Repair - Medium Complexity
16	8731	6/10/2015	-	-	-	-	Acceptable – No Further Action
16	8732	6/10/2015	-	-	-	-	Acceptable – No Further Action
16	9323	6/29/2015	11:00:47 AM	KINLEYVE	100	49	Acceptable – No Further Action
16	21264	8/5/2015	3:10:16 PM	KINLEYVE	0	0	Acceptable – No Further Action
16	22087A	8/10/2015	1:19:37 PM	KINLEYVE	0	0	Acceptable – No Further Action
16	780OWA	9/1/2015	-	-	-	-	-
16	789OW	9/1/2015	-	-	-	-	-
16	796OWA	9/1/2015	-	-	-	-	-
16	797OWA	9/1/2015	-	-	-	-	-
16	799OWA	9/1/2015	-	-	-	-	-
16	8001OWA	9/1/2015	-	-	-	-	-
16	804OWA	9/2/2015	-	-	-	-	-
16	805OWA	9/2/2015	-	-	-	-	-
16	807OWA	9/2/2015	-	-	-	-	-
16	808OWA	9/2/2015	-	-	-	-	-
16	811OWA	9/2/2015	-	-	-	-	-
16	813OWA	9/2/2015	-	-	-	-	-
16	23498	1/27/2016	12:30:17 PM	KINLEYVE	100	49	Acceptable – No Further Action
16	16224	1/28/2016	3:10:42 PM	KINLEYVE	0	31	Acceptable – No Further Action
16	16225	1/28/2016	3:12:11 PM	KINLEYVE	0	30.5	Acceptable – No Further Action
16	16630	1/28/2016	3:16:51 PM	KINLEYVE	100	99	Acceptable – No Further Action
16	16631	1/28/2016	3:15:17 PM	KINLEYVE	100	100	Acceptable – No Further Action
16	23494A	1/28/2016	3:21:18 PM	KINLEYVE	200	109.5	Acceptable – No Further Action
16	16214	2/1/2016	3:17:19 PM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	16215	2/1/2016	3:00:54 PM	KINLEYVE	200	30.5	Acceptable – No Further Action
16	16221	2/1/2016	3:24:52 PM	KINLEYVE	100	30.5	Acceptable – No Further Action
16	20240	2/1/2016	2:56:49 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	20241	2/1/2016	2:55:29 PM	KINLEYVE	200	98	Acceptable – No Further Action
16	22408	2/1/2016	4:04:10 PM	HORNLD	50	100	Acceptable – No Further Action
16	22649	2/1/2016	4:05:13 PM	HORNLD	50	100.5	Acceptable – No Further Action
16	22654	2/1/2016	4:06:09 PM	HORNLD	50	101	Acceptable – No Further Action
16	22659	2/1/2016	4:07:12 PM	HORNLD	150	101	Acceptable – No Further Action
16	22849	2/1/2016	4:08:35 PM	HORNLD	100	101	Acceptable – No Further Action
16	22850	2/1/2016	4:09:34 PM	HORNLD	100	101	Acceptable – No Further Action
16	23489A	2/1/2016	2:53:57 PM	KINLEYVE	200	109.5	Acceptable – No Further Action
16	23491A	2/1/2016	2:52:19 PM	KINLEYVE	200	109.5	Acceptable – No Further Action
16	20237	2/2/2016	2:53:52 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	20238	2/2/2016	2:54:48 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	21266	2/4/2016	2:23:01 PM	HORNLD	150	100.5	Acceptable – No Further Action
16	24637A	2/4/2016	1:31:50 PM	HORNLD	200	109	Acceptable – No Further Action
16	20239	2/5/2016	2:24:01 PM	KINLEYVE	0	0	Repair - Emergency
16	20952	2/5/2016	4:03:47 PM	KINLEYVE	0	0	Acceptable – No Further Action
16	20954	2/5/2016	-	-	-	-	Acceptable – No Further Action
16	21265	2/5/2016	5:58:07 PM	HORNLD	200	100	Acceptable – No Further Action
16	23901A	2/5/2016	5:56:01 PM	HORNLD	100	110	Acceptable – No Further Action
16	23918A	2/5/2016	5:53:25 PM	HORNLD	150	109.5	Acceptable – No Further Action
16	20337	2/6/2016	2:47:31 PM	KINLEYVE	200	100	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
16	20338	2/6/2016	2:48:56 PM	KINLEYVE	200	99	Acceptable – No Further Action
16	20339	2/6/2016	2:48:22 PM	KINLEYVE	200	100	Acceptable – No Further Action
16	20340	2/6/2016	12:48:59 PM	KINLEYVE	0	97.5	Acceptable – No Further Action
16	20341	2/6/2016	12:04:09 PM	KINLEYVE	300	95	Acceptable – No Further Action
16	20342	2/6/2016	12:05:01 PM	KINLEYVE	200	99.5	Acceptable – No Further Action
16	6132A	2/6/2016	1:44:05 PM	HORNLD	0	10	Acceptable – No Further Action
16	8735	2/17/2016	1:19:30 PM	KINLEYVE	0	49	Acceptable – No Further Action
16	8736	2/17/2016	1:37:45 PM	KINLEYVE	0	49	Acceptable – No Further Action
16	9458	2/17/2016	1:58:16 PM	KINLEYVE	0	49	Acceptable – No Further Action
16	17241	2/18/2016	1:29:10 PM	HORNLD	50	49	Acceptable – No Further Action
16	4175A	2/18/2016	2:52:08 PM	HORNLD	200	215	Acceptable – No Further Action
16	8729	2/18/2016	3:36:19 PM	KINLEYVE	0	49	Acceptable – No Further Action
16	8733	2/18/2016	3:38:56 PM	KINLEYVE	0	49	Acceptable – No Further Action
16	8734	2/18/2016	3:37:46 PM	KINLEYVE	0	49	Acceptable – No Further Action
16	13535A	2/19/2016	2:51:01 PM	HORNLD	200	204	Acceptable – No Further Action
16	13537	2/19/2016	2:49:21 PM	HORNLD	50	36	Acceptable – No Further Action
16	2837A	2/19/2016	2:54:13 PM	HORNLD	100	212.5	Acceptable – No Further Action
16	2838A	2/19/2016	2:46:31 PM	HORNLD	200	206	Acceptable – No Further Action
16	12712	2/23/2016	2:46:31 PM	KINLEYVE	0	45	Acceptable – No Further Action
16	17242	2/23/2016	2:16:39 PM	HORNLD	50	49	Acceptable – No Further Action
16	2392A	2/23/2016	2:50:00 PM	KINLEYVE	500	169	Acceptable – No Further Action
16	13536A	2/24/2016	3:03:44 PM	HORNLD	200	107.5	Acceptable – No Further Action
16	2402A	2/24/2016	3:52:22 PM	KINLEYVE	0	0	Acceptable – No Further Action
16	PS7112	2/24/2016	-	-	-	-	Acceptable – No Further Action
16	16668	2/29/2016	3:17:35 PM	KINLEYVE	300	98	Acceptable – No Further Action
16	25411A	2/29/2016	-	HORNLD	50	109.5	Acceptable – No Further Action
16	306	2/29/2016	12:24:32 PM	KINLEYVE	0	0	Repair - High Complexity
16	5453A	2/29/2016	-	HORNLD	150	104.5	Acceptable – No Further Action
16	5459	2/29/2016	-	HORNLD	0	50	Acceptable – No Further Action
16	7255A	2/29/2016	3:14:49 PM	KINLEYVE	300	210	Acceptable – No Further Action
16	7417	2/29/2016	3:01:55 PM	HORNLD	300	38.5	Acceptable – No Further Action
16	825	2/29/2016	12:21:55 PM	KINLEYVE	0	0	Repair - High Complexity
16	826	2/29/2016	12:23:12 PM	KINLEYVE	0	0	Repair - High Complexity
16	827	2/29/2016	12:21:01 PM	KINLEYVE	0	0	Repair - High Complexity
16	828	2/29/2016	12:19:53 PM	KINLEYVE	0	0	Repair - High Complexity
16	85	2/29/2016	1:31:57 PM	KINLEYVE	200	98.5	Acceptable – No Further Action
16	15858A	3/1/2016	2:33:36 PM	KINLEYVE	300	212	Acceptable – No Further Action
16	15859A	3/1/2016	2:31:46 PM	KINLEYVE	300	211	Acceptable – No Further Action
16	PS7111	3/1/2016	2:53:12 PM	HORNLD	50	18	Acceptable – No Further Action
16	PS7113	3/1/2016	2:51:13 PM	HORNLD	50	18	Acceptable – No Further Action
16	23261S	3/3/2016	12:59:39 PM	HORNLD	0	30	Acceptable – No Further Action
16	14700S	3/4/2016	3:22:38 PM	HORNLD	0	36	Acceptable – No Further Action
16	18204S	3/4/2016	3:20:57 PM	HORNLD	50	50.5	Acceptable – No Further Action
16	14701S	3/7/2016	-	-	-	-	Repair - Medium Complexity
16	14703S	3/7/2016	2:09:40 PM	HORNLD	50	34	Acceptable – No Further Action
16	14704S	3/7/2016	2:07:52 PM	HORNLD	50	35	Acceptable – No Further Action
16	14706S	3/7/2016	2:06:22 PM	HORNLD	0	34.5	Acceptable – No Further Action
16	4182	3/7/2016	12:05:47 PM	KINLEYVE	0	0	Acceptable – No Further Action
16	635	3/7/2016	2:39:18 PM	KINLEYVE	200	48.5	Acceptable – No Further Action
16	636	3/7/2016	2:41:00 PM	KINLEYVE	250	48	Repair - High Complexity
16	14708S	3/8/2016	-	-	-	-	Acceptable – No Further Action
16	15131S	3/8/2016	2:32:14 PM	HORNLD	0	36	Acceptable – No Further Action
16	17932	3/8/2016	3:59:05 PM	KINLEYVE	200	50	Acceptable – No Further Action
16	2103	3/8/2016	3:59:09 PM	KINLEYVE	100	99	Acceptable – No Further Action
16	638	3/8/2016	10:44:56 AM	KINLEYVE	0	0	Repair - High Complexity
16	14510S	3/9/2016	2:27:50 PM	HORNLD	50	39	Acceptable – No Further Action
16	630A	3/9/2016	2:56:11 PM	KINLEYVE	200	104	Acceptable – No Further Action
16	642	3/9/2016	2:49:01 PM	KINLEYVE	300	48	Repair - High Complexity
16	643	3/9/2016	2:52:58 PM	KINLEYVE	0	0	Repair - High Complexity
16	DS14507S	3/9/2016	2:34:12 PM	HORNLD	0	35	Acceptable – No Further Action
16	14513S	3/10/2016	2:37:04 PM	HORNLD	0	37	Acceptable – No Further Action
16	15134S	3/10/2016	2:40:26 PM	HORNLD	50	30.5	Acceptable – No Further Action
16	14514S	3/11/2016	2:33:58 PM	HORNLD	0	38	Acceptable – No Further Action
16	14489S	3/14/2016	1:59:20 PM	HORNLD	0	46	Acceptable – No Further Action
16	2520	3/14/2016	1:12:32 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	13539	3/15/2016	3:41:25 PM	HORNLD	0	35	Acceptable – No Further Action
16	20019S	3/16/2016	3:04:22 PM	HORNLD	0	49.5	Acceptable – No Further Action
16	20020S	3/16/2016	3:03:12 PM	HORNLD	50	50	Acceptable – No Further Action
16	20021S	3/16/2016	3:02:09 PM	HORNLD	50	49	Acceptable – No Further Action
16	5464A	3/17/2016	10:07:31 AM	HORNLD	0	25	Acceptable – No Further Action
16	29172A	3/21/2016	3:53:47 PM	KINLEYVE	200	212	Acceptable – No Further Action
16	29173A	3/21/2016	3:53:52 PM	KINLEYVE	200	212	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
16	29158A	3/23/2016	11:26:13 AM	KINLEYVE	200	204.5	Acceptable – No Further Action
16	29164A	3/23/2016	10:26:17 AM	KINLEYVE	200	208	Acceptable – No Further Action
16	29175A	3/28/2016	3:46:15 PM	KINLEYVE	100	210	Acceptable – No Further Action
16	22087	3/29/2016	11:33:28 AM	HORNLD	50	47	Acceptable – No Further Action
16	29178A	3/29/2016	10:49:39 AM	KINLEYVE	200	210.5	Acceptable – No Further Action
16	29185A	3/29/2016	11:51:46 AM	KINLEYVE	200	210	Acceptable – No Further Action
16	29183A	3/30/2016	3:50:38 PM	KINLEYVE	200	210.5	Acceptable – No Further Action
16	29154A	4/1/2016	3:32:23 PM	KINLEYVE	200	210.5	Acceptable – No Further Action
16	29169A	4/1/2016	3:32:36 PM	KINLEYVE	0	0	Repair - Emergency
16	2395A	4/6/2016	1:28:37 PM	KINLEYVE	750	184	Acceptable – No Further Action
16	2395B	4/6/2016	1:29:33 PM	KINLEYVE	0	10	Acceptable – No Further Action
16	7295A	4/7/2016	1:01:21 PM	KINLEYVE	0	0	Repair - Medium Complexity
16	29170A	4/13/2016	3:38:29 PM	HORNLD	200	210.5	Acceptable – No Further Action
16	29191	4/13/2016	3:40:09 PM	HORNLD	150	100	Acceptable – No Further Action
16	29186A	4/14/2016	3:50:29 PM	HORNLD	0	0	Acceptable – No Further Action
16	10444	4/15/2016	1:27:32 PM	HORNLD	0	0	Repair - Medium Complexity
16	26344	4/15/2016	1:26:24 PM	HORNLD	0	51	Acceptable – No Further Action
16	814OWA	9/3/2016	-	-	-	-	-
16	817OWA	9/3/2016	-	-	-	-	-
16	819OWA	9/3/2016	-	-	-	-	-
16	821OWA	9/3/2016	-	-	-	-	-
16	825OWA	9/3/2016	-	-	-	-	-
16	829OWA	9/3/2016	-	-	-	-	-
16	13374	1/31/2017	10:05:05 AM	SIMPSODS	300	26	Acceptable – No Further Action
16	15469	4/13/2017	-	-	-	-	Repair - Medium Complexity
16	5571A	4/13/2017	3:36:34 PM	SIMPSODS	350	103	Acceptable – No Further Action
20	4620A	2/6/2013	3:21:38 AM	RIGGSBW	0	186	Repair - Emergency
20	14802	2/22/2013	3:19:29 AM	RIGGSBW	0	0	Reschedule - Cannot Find/Missing
20	14803	2/22/2013	3:19:29 AM	RIGGSBW	0	0	Reschedule - Cannot Find/Missing
20	15912A	3/1/2013	3:21:50 AM	RIGGSBW	0	0	Repair - Medium Complexity
20	15890	3/5/2013	3:20:52 AM	HALLEJ	100	41	Acceptable – No Further Action
20	15891	3/5/2013	3:20:52 AM	HALLEJ	100	41	Acceptable – No Further Action
20	15892	3/5/2013	3:20:53 AM	HALLEJ	100	41	Acceptable – No Further Action
20	15893	3/5/2013	3:20:53 AM	HALLEJ	100	41	Acceptable – No Further Action
20	26936A	4/11/2014	3:12:03 PM	KINLEYVE	200	262	Acceptable – No Further Action
20	PS10370	1/13/2015	-	-	-	-	-
20	PS14168	1/13/2015	11:19:08 AM	HORNLD	200	50	Acceptable – No Further Action
20	10636	1/14/2015	1:17:35 PM	HORNLD	200	72	Acceptable – No Further Action
20	12708	1/14/2015	11:56:13 AM	HORNLD	0	44	Acceptable – No Further Action
20	10115	1/15/2015	10:50:35 AM	HORNLD	200	38	Acceptable – No Further Action
20	10634	1/15/2015	9:25:58 AM	HORNLD	0	70	Acceptable – No Further Action
20	15470	1/19/2015	3:20:46 PM	HORNLD	150	49	Acceptable – No Further Action
20	15472	2/4/2015	12:28:15 PM	HORNLD	200	44.5	Acceptable – No Further Action
20	15851	2/13/2015	9:19:40 AM	KINLEYVE	100	43.5	Acceptable – No Further Action
20	15853	3/10/2015	1:59:04 PM	KINLEYVE	100	43.5	Acceptable – No Further Action
20	15856	3/10/2015	1:58:09 PM	KINLEYVE	100	42	Acceptable – No Further Action
20	PS10362	3/19/2015	3:38:20 PM	HORNLD	200	175	Acceptable – No Further Action
20	4616A	3/26/2015	12:19:00 PM	HORNLD	0	0	Repair - Medium Complexity
20	3410A	4/2/2015	3:38:16 PM	HORNLD	0	0	Repair - Medium Complexity
20	12417	6/8/2015	-	-	-	-	Acceptable – No Further Action
20	27038A	6/29/2015	-	-	-	-	Acceptable – No Further Action
20	15627	2/1/2016	4:02:06 PM	HORNLD	0	41	Acceptable – No Further Action
20	22404A	2/3/2016	5:54:18 PM	HORNLD	200	134.5	Acceptable – No Further Action
20	22405A	2/4/2016	8:56:28 AM	HORNLD	250	134	Acceptable – No Further Action
20	26611A	2/4/2016	1:28:49 PM	HORNLD	250	304	Acceptable – No Further Action
20	15628	2/6/2016	2:46:01 PM	HORNLD	0	40	Acceptable – No Further Action
20	26934A	2/6/2016	1:47:03 PM	HORNLD	200	258	Acceptable – No Further Action
20	17665A	2/23/2016	2:40:32 PM	HORNLD	200	254.5	Acceptable – No Further Action
20	17666A	2/23/2016	2:43:16 PM	HORNLD	200	267	Acceptable – No Further Action
20	4178A	3/1/2016	11:34:46 AM	HORNLD	300	253	Acceptable – No Further Action
20	4184A	3/7/2016	12:01:21 PM	KINLEYVE	500	258	Acceptable – No Further Action
20	PS7971A	3/10/2016	3:33:25 PM	KINLEYVE	200	264	Acceptable – No Further Action
20	PS7971B	3/10/2016	3:34:02 PM	KINLEYVE	0	11	Acceptable – No Further Action
20	PS7972A	3/10/2016	3:31:53 PM	KINLEYVE	200	263	Acceptable – No Further Action
20	PS7972B	3/10/2016	3:32:29 PM	KINLEYVE	0	11	Acceptable – No Further Action
20	PS7973A	3/10/2016	3:34:57 PM	KINLEYVE	200	264	Acceptable – No Further Action
20	PS7973B	3/10/2016	3:35:44 PM	KINLEYVE	0	11	Acceptable – No Further Action
20	4183A	3/15/2016	11:31:09 AM	KINLEYVE	500	250	Acceptable – No Further Action
20	28367A	3/18/2016	1:38:57 PM	HORNLD	150	260	Acceptable – No Further Action
20	15630	3/22/2016	1:19:43 PM	HORNLD	150	260.5	Acceptable – No Further Action
20	15632	3/22/2016	1:20:50 PM	HORNLD	150	263	Acceptable – No Further Action
20	15634	3/22/2016	2:45:14 PM	HORNLD	150	261	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
20	16685A	3/23/2016	12:00:33 PM	HORNLD	100	261.5	Acceptable – No Further Action
20	26938A	3/28/2016	3:17:35 PM	HORNLD	0	261	Acceptable – No Further Action
20	3405A	4/7/2016	10:14:50 AM	KINLEYVE	750	126	Repair - Emergency
20	15631	4/13/2016	-	-	-	-	Acceptable – No Further Action
20	22085A	4/13/2016	-	-	-	-	Acceptable – No Further Action
20	22086A	4/14/2016	3:47:41 PM	HORNLD	0	0	Acceptable – No Further Action
20	22402	3/6/2017	-	-	-	-	Acceptable – No Further Action
20	22406A	3/6/2017	10:28:04 AM	HORNLD	250	133	Acceptable – No Further Action
20	25500A	4/13/2017	3:43:34 PM	SIMPSODS	300	294	Acceptable – No Further Action
20	25507A	4/13/2017	3:35:02 PM	SIMPSODS	200	267	Acceptable – No Further Action
20	25513A	4/13/2017	3:31:55 PM	SIMPSODS	250	294	Acceptable – No Further Action
20	15471	4/17/2017	2:55:32 PM	HORNLD	200	43	Acceptable – No Further Action
20	25518A	4/17/2017	2:51:28 PM	HORNLD	200	300	Acceptable – No Further Action
24	PS5538A	5/23/2012	3:26:35 AM	POINDEXD	0	102	Acceptable – No Further Action
24	14480S	1/14/2013	3:21:14 AM	POINDEXD	0	44	Acceptable – No Further Action
24	14481S	1/14/2013	-	-	-	-	Acceptable – No Further Action
24	14482S	1/14/2013	3:21:14 AM	POINDEXD	0	44	Acceptable – No Further Action
24	14483S	1/14/2013	3:21:14 AM	POINDEXD	0	44	Acceptable – No Further Action
24	14484S	1/14/2013	3:21:14 AM	POINDEXD	0	44	Acceptable – No Further Action
24	14454	1/23/2013	3:22:31 AM	HALLEJ	0	42	Acceptable – No Further Action
24	14071	2/5/2013	3:20:59 AM	HALLEJ	100	50.5	Acceptable – No Further Action
24	16217	2/6/2013	3:21:30 AM	RIGGSBW	0	32	Acceptable – No Further Action
24	16220A	2/6/2013	3:21:34 AM	RIGGSBW	200	154	Acceptable – No Further Action
24	26903A	2/15/2013	3:20:29 AM	HALLEJ	300	308	Acceptable – No Further Action
24	13380A	2/27/2013	3:20:23 AM	HALLEJ	0	0	Repair - Medium Complexity
24	13381A	2/27/2013	3:20:23 AM	HALLEJ	300	308	Acceptable – No Further Action
24	13382A	2/27/2013	3:20:24 AM	HALLEJ	0	0	Repair - Medium Complexity
24	15889	3/5/2013	3:20:51 AM	HALLEJ	100	41	Acceptable – No Further Action
24	PS5553A	6/24/2013	-	-	-	-	Repair - Low Complexity
24	2618A	4/11/2014	11:30:56 AM	KINLEYVE	300	309	Acceptable – No Further Action
24	DS12712	4/25/2014	10:15:35 AM	KINLEYVE	200	45.5	Acceptable – No Further Action
24	PS10371A	1/7/2015	11:03:48 AM	HORNLD	350	303	Acceptable – No Further Action
24	PS10372A	1/7/2015	2:40:16 PM	HORNLD	350	220	Acceptable – No Further Action
24	17179AJ	1/20/2015	1:11:38 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	26554AJ	1/20/2015	1:16:33 PM	KINLEYVE	200	346	Acceptable – No Further Action
24	26555AJ	1/20/2015	1:19:02 PM	KINLEYVE	200	347	Acceptable – No Further Action
24	26557AJ	1/20/2015	1:22:15 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	26558AJ	1/20/2015	12:55:58 PM	KINLEYVE	200	342	Acceptable – No Further Action
24	26559AJ	1/20/2015	1:07:41 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	17182AJ	1/21/2015	10:27:13 AM	KINLEYVE	300	150	Acceptable – No Further Action
24	17186A	1/21/2015	12:01:11 PM	KINLEYVE	250	150	Acceptable – No Further Action
24	17191A	1/21/2015	2:55:47 PM	KINLEYVE	300	152	Acceptable – No Further Action
24	17190A	1/22/2015	2:46:07 PM	KINLEYVE	400	152	Acceptable – No Further Action
24	18268	1/22/2015	1:57:12 PM	KINLEYVE	300	200	Acceptable – No Further Action
24	18269	1/22/2015	10:27:18 AM	KINLEYVE	300	200	Acceptable – No Further Action
24	17187A	1/23/2015	1:01:01 PM	KINLEYVE	0	0	Acceptable – No Further Action
24	17648A	1/23/2015	1:05:05 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	18270A	1/23/2015	12:55:41 PM	KINLEYVE	200	157	Acceptable – No Further Action
24	18272	1/23/2015	12:56:29 PM	KINLEYVE	200	221	Acceptable – No Further Action
24	18275AJ	2/2/2015	1:35:59 PM	KINLEYVE	200	307	Acceptable – No Further Action
24	18277AJ	2/2/2015	12:41:43 PM	KINLEYVE	200	297	Acceptable – No Further Action
24	5545A	2/11/2015	3:10:52 PM	HORNLD	0	0	Repair - Medium Complexity
24	20192A	2/23/2015	1:22:01 PM	HORNLD	200	302.5	Acceptable – No Further Action
24	22004A	2/26/2015	12:35:17 PM	HORNLD	250	157	Acceptable – No Further Action
24	20196A	2/27/2015	12:05:50 PM	HORNLD	200	304.5	Acceptable – No Further Action
24	20198A	2/27/2015	12:03:19 PM	HORNLD	200	301	Acceptable – No Further Action
24	25524A	2/27/2015	3:05:36 PM	HORNLD	200	354	Acceptable – No Further Action
24	5533A	3/9/2015	2:05:58 PM	HORNLD	500	94.8	Acceptable – No Further Action
24	5540A	3/13/2015	2:40:05 PM	HORNLD	450	96.5	Acceptable – No Further Action
24	14458	3/17/2015	4:35:56 PM	HORNLD	100	43	Acceptable – No Further Action
24	14460	3/17/2015	4:34:46 PM	HORNLD	100	44	Acceptable – No Further Action
24	14443	3/18/2015	2:53:14 PM	HORNLD	100	43	Acceptable – No Further Action
24	14444	3/18/2015	2:51:41 PM	HORNLD	100	43	Acceptable – No Further Action
24	14447	3/18/2015	1:07:53 PM	HORNLD	100	44	Acceptable – No Further Action
24	14449	3/18/2015	1:06:18 PM	HORNLD	100	44	Acceptable – No Further Action
24	14456	3/18/2015	12:55:50 PM	HORNLD	100	44	Acceptable – No Further Action
24	14542	3/18/2015	1:00:59 PM	HORNLD	100	44	Acceptable – No Further Action
24	13394	3/19/2015	2:40:32 PM	HORNLD	150	50	Acceptable – No Further Action
24	14440	3/19/2015	2:37:47 PM	HORNLD	100	44	Acceptable – No Further Action
24	14452	3/19/2015	2:42:44 PM	HORNLD	100	44	Acceptable – No Further Action
24	PS10367A	3/19/2015	3:30:04 PM	HORNLD	100	156	Acceptable – No Further Action
24	PS10368	3/19/2015	3:42:33 PM	HORNLD	100	80	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
24	13392	3/20/2015	12:42:04 PM	HORNLD	150	49	Acceptable – No Further Action
24	25519A	3/23/2015	12:58:49 PM	HORNLD	100	20	Acceptable – No Further Action
24	5542A	3/23/2015	12:11:50 PM	HORNLD	200	102.5	Acceptable – No Further Action
24	17175A	3/31/2015	2:43:48 PM	KINLEYVE	450	145	Acceptable – No Further Action
24	17177A	3/31/2015	3:32:00 PM	KINLEYVE	600	125	Repair - Medium Complexity
24	5535A	4/1/2015	1:24:57 PM	KINLEYVE	250	100	Acceptable – No Further Action
24	13388	4/2/2015	1:05:46 PM	HORNLD	150	51	Acceptable – No Further Action
24	17166A	6/16/2015	-	-	-	-	Acceptable – No Further Action
24	14821	1/14/2016	5:38:50 PM	KINLEYVE	0	49	Acceptable – No Further Action
24	5553A	1/14/2016	4:28:47 PM	KINLEYVE	1600	102.5	Acceptable – No Further Action
24	5555A	1/14/2016	4:31:01 PM	KINLEYVE	1500	102.5	Acceptable – No Further Action
24	5548A	1/15/2016	2:59:00 PM	KINLEYVE	1400	102	Acceptable – No Further Action
24	5550A	1/15/2016	2:57:03 PM	KINLEYVE	1300	102	Acceptable – No Further Action
24	5908A	1/26/2016	4:01:15 PM	KINLEYVE	750	270	Acceptable – No Further Action
24	16218	1/27/2016	3:24:05 PM	KINLEYVE	0	41	Acceptable – No Further Action
24	16369A	1/27/2016	3:23:57 PM	KINLEYVE	400	152	Acceptable – No Further Action
24	16370A	1/27/2016	3:23:54 PM	KINLEYVE	400	152	Acceptable – No Further Action
24	16219A	1/28/2016	11:39:58 AM	KINLEYVE	400	152	Acceptable – No Further Action
24	14823	2/5/2016	2:12:47 PM	KINLEYVE	200	50	Acceptable – No Further Action
24	5552A	2/5/2016	2:26:32 PM	KINLEYVE	0	0	Repair - Emergency
24	5554A	2/5/2016	2:29:10 PM	KINLEYVE	1550	51	Repair - Emergency
24	5903A	2/5/2016	2:16:58 PM	KINLEYVE	0	0	Repair - Emergency
24	5912A	2/5/2016	2:19:28 PM	KINLEYVE	750	274	Acceptable – No Further Action
24	11639	2/6/2016	10:34:37 AM	HORNLD	0	46	Acceptable – No Further Action
24	13364	2/6/2016	3:09:21 PM	KINLEYVE	0	49	Acceptable – No Further Action
24	18796	2/6/2016	4:09:17 PM	KINLEYVE	100	91	Acceptable – No Further Action
24	5529A	2/6/2016	1:35:40 PM	HORNLD	600	95	Acceptable – No Further Action
24	13365	2/11/2016	2:46:33 PM	KINLEYVE	200	50	Acceptable – No Further Action
24	2626A	2/11/2016	3:49:53 PM	HORNLD	400	304	Acceptable – No Further Action
24	10739A	2/12/2016	2:06:36 PM	HORNLD	450	141	Acceptable – No Further Action
24	13368	2/12/2016	9:12:57 AM	KINLEYVE	0	0	Repair - High Complexity
24	13369	2/12/2016	2:54:52 PM	KINLEYVE	200	52	Acceptable – No Further Action
24	19065	2/12/2016	2:53:27 PM	KINLEYVE	200	42.5	Acceptable – No Further Action
24	19066	2/12/2016	2:52:14 PM	KINLEYVE	0	0	Repair - High Complexity
24	26608A	2/12/2016	2:47:46 PM	KINLEYVE	300	342.5	Acceptable – No Further Action
24	26901A	2/12/2016	3:04:41 PM	HORNLD	250	310.5	Acceptable – No Further Action
24	26902A	2/12/2016	3:06:58 PM	HORNLD	300	309	Acceptable – No Further Action
24	13373	2/15/2016	2:15:33 PM	KINLEYVE	200	49.5	Acceptable – No Further Action
24	13377	2/15/2016	2:56:52 PM	KINLEYVE	100	51	Acceptable – No Further Action
24	14919	2/17/2016	11:33:33 AM	KINLEYVE	0	50	Acceptable – No Further Action
24	18797	2/17/2016	11:26:56 AM	KINLEYVE	200	39	Acceptable – No Further Action
24	13358	2/19/2016	1:55:33 PM	KINLEYVE	0	50	Acceptable – No Further Action
24	13359	2/19/2016	1:55:36 PM	KINLEYVE	0	50	Acceptable – No Further Action
24	18793	2/22/2016	2:44:38 PM	KINLEYVE	200	42	Acceptable – No Further Action
24	2615	2/22/2016	2:42:27 PM	KINLEYVE	0	40.5	Acceptable – No Further Action
24	2621A	2/22/2016	2:45:38 PM	KINLEYVE	200	309.5	Acceptable – No Further Action
24	16339	2/23/2016	8:53:35 AM	KINLEYVE	0	0	Acceptable – No Further Action
24	3081A	2/23/2016	2:47:32 PM	KINLEYVE	750	223.5	Acceptable – No Further Action
24	3087A	2/23/2016	2:45:08 PM	KINLEYVE	750	228.5	Acceptable – No Further Action
24	5513A	2/23/2016	10:39:41 AM	HORNLD	450	89	Acceptable – No Further Action
24	2616	2/24/2016	-	-	-	-	Acceptable – No Further Action
24	2635A	2/24/2016	3:00:19 PM	HORNLD	200	308	Acceptable – No Further Action
24	1554A	2/25/2016	2:06:57 PM	HORNLD	350	308	Acceptable – No Further Action
24	3078A	2/29/2016	11:09:06 AM	KINLEYVE	500	228.5	Acceptable – No Further Action
24	2843	3/1/2016	2:52:02 PM	HORNLD	150	18	Acceptable – No Further Action
24	14492S	3/2/2016	2:36:50 PM	HORNLD	0	41	Acceptable – No Further Action
24	14494S	3/2/2016	2:39:39 PM	HORNLD	0	44.5	Acceptable – No Further Action
24	14497S	3/2/2016	2:41:18 PM	HORNLD	0	41	Acceptable – No Further Action
24	14465	3/3/2016	2:20:58 PM	HORNLD	0	45	Acceptable – No Further Action
24	14468	3/3/2016	2:22:43 PM	HORNLD	0	43	Acceptable – No Further Action
24	14469	3/3/2016	2:24:33 PM	HORNLD	0	40	Acceptable – No Further Action
24	14500S	3/8/2016	2:28:44 PM	HORNLD	0	44	Acceptable – No Further Action
24	14502S	3/8/2016	2:29:45 PM	HORNLD	0	42	Acceptable – No Further Action
24	15130S	3/8/2016	2:30:37 PM	HORNLD	0	48	Acceptable – No Further Action
24	14503S	3/9/2016	2:29:41 PM	HORNLD	50	46	Acceptable – No Further Action
24	14506S	3/9/2016	2:31:57 PM	HORNLD	0	41	Acceptable – No Further Action
24	14508S	3/9/2016	2:31:01 PM	HORNLD	0	42	Acceptable – No Further Action
24	14505S	3/10/2016	2:42:06 PM	HORNLD	50	44	Acceptable – No Further Action
24	14472S	3/11/2016	2:25:49 PM	HORNLD	0	39	Acceptable – No Further Action
24	14473S	3/11/2016	2:26:55 PM	HORNLD	0	39	Acceptable – No Further Action
24	14490S	3/11/2016	2:30:07 PM	HORNLD	50	76	Acceptable – No Further Action
24	14498S	3/11/2016	2:31:50 PM	HORNLD	0	40	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
24	3084A	3/11/2016	1:58:04 PM	KINLEYVE	1350	222	Acceptable – No Further Action
24	3084B	3/11/2016	1:57:20 PM	KINLEYVE	0	14	Acceptable – No Further Action
24	14476S	3/14/2016	1:56:11 PM	HORNLD	0	44	Acceptable – No Further Action
24	14478S	3/14/2016	1:57:57 PM	HORNLD	0	44	Acceptable – No Further Action
24	14491S	3/14/2016	2:00:18 PM	HORNLD	0	75.5	Acceptable – No Further Action
24	11640	3/16/2016	3:33:09 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	11641	3/16/2016	3:31:06 PM	KINLEYVE	200	44	Acceptable – No Further Action
24	26609A	3/16/2016	3:36:18 PM	KINLEYVE	250	345	Acceptable – No Further Action
24	26613A	3/16/2016	3:39:50 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	5528A	3/17/2016	1:56:24 PM	HORNLD	600	94	Acceptable – No Further Action
24	13371	3/18/2016	1:35:58 PM	KINLEYVE	200	50.5	Acceptable – No Further Action
24	13354	3/22/2016	2:41:21 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	13383	3/22/2016	2:37:27 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
24	13384	3/22/2016	2:38:20 PM	KINLEYVE	100	49.5	Acceptable – No Further Action
24	13719	3/22/2016	2:40:03 PM	KINLEYVE	0	0	Repair - Medium Complexity
24	26345A	3/30/2016	2:05:54 PM	HORNLD	150	343	Acceptable – No Further Action
24	26346A	3/30/2016	2:07:53 PM	HORNLD	150	344.5	Acceptable – No Further Action
24	26353A	3/31/2016	12:50:17 PM	HORNLD	150	347.5	Acceptable – No Further Action
24	26352A	4/6/2016	1:26:07 PM	HORNLD	200	345	Acceptable – No Further Action
24	26349A	4/8/2016	1:44:21 PM	HORNLD	200	341	Acceptable – No Further Action
24	14462	4/12/2016	2:43:41 PM	HORNLD	0	45	Acceptable – No Further Action
24	26356A	4/12/2016	1:18:55 PM	HORNLD	250	343.5	Acceptable – No Further Action
24	5526A	4/14/2016	3:48:51 PM	HORNLD	0	0	Acceptable – No Further Action
24	14464	4/15/2016	9:22:50 AM	HORNLD	0	0	Repair - Medium Complexity
24	14467	4/15/2016	9:29:13 AM	HORNLD	0	0	Acceptable – No Further Action
24	26348A	4/15/2016	9:24:40 AM	HORNLD	0	0	Acceptable – No Further Action
24	27851AV	11/9/2016	-	-	-	-	-
24	27854AV	11/9/2016	-	-	-	-	-
24	5530A	3/28/2017	2:39:45 PM	HORNLD	200	310	Acceptable – No Further Action
24	17168A	4/13/2017	-	-	-	-	Acceptable – No Further Action
24	17170A	4/13/2017	3:43:08 PM	HORNLD	350	150	Acceptable – No Further Action
24	17173A	4/13/2017	3:49:54 PM	HORNLD	300	152	Acceptable – No Further Action
24	17647A	4/13/2017	3:44:47 PM	HORNLD	400	130	Acceptable – No Further Action
30	18279AJ	2/17/2014	11:50:54 AM	RIGGSBW	300	191.5	Acceptable – No Further Action
30	18280AJ	2/17/2014	1:32:12 PM	RIGGSBW	300	192	Acceptable – No Further Action
30	18281AJ	2/17/2014	12:12:11 PM	RIGGSBW	300	192.5	Acceptable – No Further Action
30	6128A	8/19/2014	-	-	-	-	Repair - Low Complexity
30	PS5045A	1/9/2015	12:39:45 PM	HORNLD	350	255	Acceptable – No Further Action
30	PS10366	3/19/2015	3:41:38 PM	HORNLD	100	44	Acceptable – No Further Action
30	PS5058A	3/30/2015	4:05:36 PM	HORNLD	400	210	Acceptable – No Further Action
30	13386	4/2/2015	1:09:12 PM	HORNLD	150	109	Acceptable – No Further Action
30	13387	4/2/2015	1:07:41 PM	HORNLD	0	0	Repair - Medium Complexity
30	PS12542A	6/11/2015	3:33:29 PM	HORNLD	300	253	Acceptable – No Further Action
30	PS17065A	1/7/2016	2:00:28 PM	HORNLD	400	215.5	Acceptable – No Further Action
30	6119A	1/11/2016	12:43:56 PM	HORNLD	300	372	Acceptable – No Further Action
30	13385	3/22/2016	2:38:50 PM	KINLEYVE	100	91	Acceptable – No Further Action
30	11638A	4/14/2016	3:44:39 PM	HORNLD	0	0	Acceptable – No Further Action
30	17164A	3/15/2017	2:57:07 PM	HORNLD	500	224	Acceptable – No Further Action
30	17165A	3/15/2017	2:59:29 PM	HORNLD	500	224	Acceptable – No Further Action
30	PS15292A	3/15/2017	2:55:06 PM	HORNLD	350	220	Acceptable – No Further Action
30	5509A	3/16/2017	12:14:50 PM	HORNLD	500	176	Acceptable – No Further Action
30	5511A	3/16/2017	2:53:43 PM	HORNLD	450	187	Acceptable – No Further Action
30	5512A	3/16/2017	2:55:58 PM	HORNLD	500	170	Acceptable – No Further Action
30	5515A	3/16/2017	-	-	-	-	Repair - Medium Complexity
30	PS5506A	3/16/2017	-	-	-	-	Acceptable – No Further Action
30	15293A	3/17/2017	11:55:42 AM	HORNLD	300	224	Acceptable – No Further Action
30	5518	3/17/2017	11:57:50 AM	HORNLD	100	183	Acceptable – No Further Action
30	5519	3/17/2017	11:58:48 AM	HORNLD	0	181	Acceptable – No Further Action
30	5522A	3/17/2017	2:27:51 PM	HORNLD	300	182	Acceptable – No Further Action
30	17377A	3/20/2017	10:35:59 AM	HORNLD	350	224.5	Acceptable – No Further Action
30	17379	3/20/2017	9:43:46 AM	HORNLD	150	183	Acceptable – No Further Action
30	PS15230A	3/20/2017	2:38:16 PM	HORNLD	500	180	Acceptable – No Further Action
30	PS15232A	3/20/2017	2:43:03 PM	HORNLD	300	218	Acceptable – No Further Action
30	15239A	3/27/2017	1:07:55 PM	HORNLD	300	220	Acceptable – No Further Action
30	PS15228A	3/27/2017	1:05:52 PM	HORNLD	500	145	Acceptable – No Further Action
30	PS15236A	3/27/2017	2:33:59 PM	HORNLD	450	223	Acceptable – No Further Action
30	23423A	3/28/2017	2:48:28 PM	HORNLD	250	253	Acceptable – No Further Action
30	5531	3/28/2017	2:42:05 PM	HORNLD	100	39.5	Acceptable – No Further Action
30	5532	3/28/2017	2:44:03 PM	HORNLD	100	40.5	Acceptable – No Further Action
30	9919A	3/28/2017	2:46:28 PM	HORNLD	500	167	Acceptable – No Further Action
30	14805A	3/29/2017	3:10:57 PM	HORNLD	350	202	Acceptable – No Further Action

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 A

Size	InventoryNumber	Date of Last Inspection	Time	Inspector	Torque	# Turns	Inspection Result
30	14805B	3/29/2017	3:12:07 PM	HORNLD	0	14	Acceptable – No Further Action
30	17748A	3/29/2017	3:17:52 PM	HORNLD	650	195	Acceptable – No Further Action
30	6124A	3/29/2017	3:14:44 PM	HORNLD	250	373	Acceptable – No Further Action
30	6133A	3/29/2017	3:21:39 PM	HORNLD	300	315	Acceptable – No Further Action
42	27852AV	11/9/2016	-	-	-	-	-
42	27853AV	11/9/2016	-	-	-	-	-
42	27857AV	11/9/2016	-	-	-	-	-
42	27858AVS	11/9/2016	-	-	-	-	-
42	27862AVS	11/10/2016	-	-	-	-	-
42	27864AVS	11/10/2016	-	-	-	-	-
42	27866AVS	11/10/2016	-	-	-	-	-
42	27868AVS	11/10/2016	-	-	-	-	-
42	27871AVF	11/10/2016	-	-	-	-	-
42	27873AVF	11/10/2016	-	-	-	-	-
42	27875AVF	11/11/2016	-	-	-	-	-
42	27877AVF	11/11/2016	-	-	-	-	-
42	27882AVF	11/11/2016	-	-	-	-	-
42	27887AVF	11/11/2016	-	-	-	-	-
42	784OWA	11/11/2016	-	-	-	-	-
42	PS29051A	11/11/2016	-	-	-	-	-

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 B

Year	# Valves	# Inspections
2010	58	25
2011	58	13
2012	58	21
2013	58	14
2014	58	33
2015	58	57
2016	58	51

Year	Size	# Deficiencies	Type of Deficiency	Action Required
2010		0		
2011		0		
2012		0		
2013		0		
2014		0		
2015	30"	2	Broken	Replace Valve
2015	30"	1	Leaking	Repair Valve
2015	30"	1	Operating Nut Missing	Replace Operating Nut
2015	30"	1	Hard to Operate	Replace Valve
2016		0		

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 D

Year	# Valves	# Inspections
2010	472	176
2011	474	216
2012	477	173
2013	478	435
2014	494	199
2015	502	305
2016	517	260

Year	Size	# Deficiencies	Type of Deficiency	Action Required
2010		0		
2011		0		
2012		0		
2013	20	1	Repair - Emergency	
2013	16	1	Repair - Low Complexity	
2013	20	1	Repair - Medium Complexity	
2013	24	2	Repair - Medium Complexity	
2014	16	1	Repair - Low Complexity	
2014	16	1	Repair - Medium Complexity	
2015	16"	4	Broken	Replace Valve
2015	24"	3	Broken	Replace Valve
2015	16"	1	Hard to Operate	Replace Valve
2015	24"	3	Hard to Operate	Replace Valve
2015	24"	1	Leaking	Repair Valve
2015	16"	2	Operating Nut Missing	Replace Nut
2015	24"	2	Operating Nut Missing	Replace Nut
2016		0		

Kentucky American Water
Case No. 2016-00394
Commission's Second Request For Information
Response to Part 9 F

Year	# Valves	# Inspections
2010	16302	*
2011	16358	448 *
2012	16398	3020
2013	16410	2705
2014	16418	2063
2015	16426	3461
2016	16443	453

Year	Size	# Deficiencies	Type of Deficiency	Action Required
2010		*		
2011		*		
2012	8"	1	Broken	Replace Valve
2012	6"	1	Hard to Operate	Replace Valve
2012	1"	1	Leaking	Replace Valve
2013	4"	1	Broken Valve	Replace Valve
2013	6"	2	Broken Valve	Replace Valve
2013	8"	2	Broken Valve	Replace Valve
2013	6"	2	Hard to Operate	Replace Valve
2013	8"	2	Hard to Operate	Replace Valve
2013	8"	1	Leaking	Replace Valve
2013	4"	1	Replace Oper.Nut	Replace Nut
2013	6"	2	Replace Oper.Nut	Replace Nut
2014	4"	3	Broken	Replace Valve
2014	6"	9	Broken	Replace Valve
2014	8"	5	Broken	Replace Valve
2014	6"	12	Hard to Operate	Replace Valve
2014	8"	2	Hard to Operate	Replace Valve
2014	12"	1	Hard to Operate	Replace Valve
2014	6"	2	Leaking	Replace Valve
2014	6"	1	Leaking	Replace Valve
2014	6"	1	Replace Oper. Nut	Replace Nut
2014	8"	1	Replace Oper. Nut	Replace Nut
2015	2"	1	Broken	Replace Valve
2015	2.5"	1	Broken	Replace Valve
2015	3"	2	Broken	Replace Valve
2015	4"	5	Broken	Replace Valve
2015	6"	7	Broken	Replace Valve
2015	8"	2	Broken	Replace Valve
2015	4"	2	Replace Oper. Nut	Replace Nut
2015	6"	1	Replace Oper. Nut	Replace Nut
2015	2"	1	Repair Valve	Repair
2015	12"	1	Repair Valve	Repair
2016	3"	1	Broken	Replace Valve
2016	6"	8	Broken	Replace Valve
2016	8"	2	Broken	Replace Valve

* Records are unavailable for 2010 and only a few records available in 2011