ELDRIDGE ELECTRIC AND WATER UTILITY BOARD

November 17th, 2026 – 5:00 pm

City Hall, 305 N. 3rd Street

1. Call to Order
2. Public Comment
3. Approval of Agenda
4. Approval of Utility Board Minutes from November 3rd, 2026

5. Financial & Administrative
   A. Consideration to Approve Bills Payable
   B. Department Update

6. Electric Department
   A. Outages
   B. Department Update – Collin Wilson

7. Water Department
   A. Water Main Breaks
   B. Water Test Results
   C. Department Update – Cegan Long

8. Adjournment

NEXT REGULAR MEETING: Tuesday, December 8th, 2026, at 5:00 pm

Abby Petersen Mark Goodding Jeff Hedrington Michael Bristley

AGENDA

ELDRIDGE ELECTRIC AND WATER UTILITY BOARD

The regular meeting of the Board of Trustees of the Eldridge Electric and Water Utility Board was called to order at 5:00 p.m. on November 3rd, 2026, at Eldridge City Hall.

Board Members present were Jeff Hedrington, Abby Petersen, Michael Bristley, Mark Goodding, and Tracy Booth. Gage Lane, Sadie Wagner, and Cegan Long were also present.

Public Comment-
None.

Approval of Agenda-
Goodding made a motion to approve the agenda. Second by Petersen. All Ayes. Motion carried.

Approval of Utility Board Minutes from October 6th, 2026-
Petersen made motion to approve the minutes from October 6th, 2026. Second by Hedrington. All Ayes. Motion carried.

Financial & Administrative-
Hedrington made motion to Approve Bills Payable in the amount of $185,301.72. Second by Goodding. All Ayes. Motion carried.

Discussion and consideration to approve Utility Billing Policy & Procedure-
Petersen made motion to approve Utility Billing Policy & Procedure update. Second by Goodding. All Ayes. Motion carried.

Department Update- Sadie Wagner- Wagner reported that she has been interviewing for the new utility billing clerk and should have a decision by end of the week and an offer by next week. She has given the new utility board member documents of our water rate study, Vanwert, the budget, and the utility billing policy.

Electric Department
Outages- three power outages during the month. October 2nd, 2026, an outage occurred at approximately 2:30 p.m. at Linden Lane. Crew installed the service saver to restore full power until the failed line could be located. Power restored at 3:00 p.m. 1 customer affected. ½ power reported at 110 N. 9th street on October 6th, 2026. Crew installed a new electric service, and power was restored at 5:45 p.m. 1 customer affected. Lastly reported outage at 305 N. 3rd street on October 8th, 2026, at 7:12a.m. crew found blown fuse at the feeder. Cause was unknown. Power was restored at 7:27a.m. 9 customers were affected.

Department Update – Collin Wilson
Crew has finished primary electric installation at Grunwald 3rd addition with the exception of 3 phase equipment pending bores under the existing streets.

Water Department-
Water Main Breaks- A water main break was reported at approximately 3:15 PM on the bike path in front of Sheridan Meadows Apartments. Water Department staff responded, and Hometown Plumbing was called to assist with repairs due to limited staffing. Tanner Loussaert, the on-call operator, assisted with valve operations, repair materials, and backfill coordination. During the repair, Sheridan Meadows Apartments and the E. Price Street condominiums temporarily experienced low water pressure due to a closed valve. The issue was identified and resolved by reopening the valve supplying Ivy Acres. Hometown Plumbing completed the repair by 9:00 PM, with cleanup and barricading finished by 10:00 PM. No boil order was necessary, as positive water pressure was maintained throughout the repair.

Water Test Results-
October results have all passed. Fluoride is right at the recommended residual.

Discussion and consideration to approve TriCity Electric to perform the SCADA repair for the Old Tower SCADA system-
Discussion was had. Petersen Made motion to table the approval for TriCity Electric. Second by Hedrington. All Ayes. Motion Carried.

Department Update – Cegan Long
The gears on the main break trailer were sent in for warranty repair but were lost in transit. Milwaukee replaced it with a brand-new unit. On October 16th, Northway Well & Pump replaced the failed check valve on Well #3 and assisted with repairs to a failed high-service pump check valve. Butterfly valves were also installed on High Service Pumps #1, #2, and #3 to allow for future maintenance without shutting down the entire system. High Service Pump #1 was sent in for warranty repairs after incorrect-sized bearings were discovered during previous maintenance. Well #3 and all high-service pumps are now operating properly. Climate Engineers repaired the large outdoor HVAC unit on October 16th and completed quarterly preventative maintenance. Tanner and I attended the Iowa Rural Water Association Water Conference in Dubuque. The department switched to free chlorine on October 22nd and began fall flushing on October 26th. Flushing is scheduled to conclude November 17th, when the system will return to chloramines. The DNR sanitary survey was completed on October 30th. The department was found to be in good standing with facilities and water quality. Minor updates are needed to install nano-mesh screens over facility vents to meet new DNR requirements. On November 2, High Service Pump #4 experienced a VFD overload alarm. Electric Pump assisted with adjusting output settings, and the pump is operating properly.

Adjournment
Hedrington made a motion to adjourn at 5:50 p.m. Second by Petersen. All ayes.

Respectfully submitted,
Gage Lane
Utility Billing Clerk

AGENDA

BILLS PAYABLE				
CHECK #	FUND	VENDOR	DESCRIPTION	AMOUNT
227865	630-5-820-6340	ACCESS SYSTEMS LEASING	COPIER LEASE	$ 201.00
227866	600-5-810-6501	ACCO UNLIMITED CORP.	REPLACEMENT FLOURIDE PUMP	$ 479.64
227866	600-5-810-6501	ACCO UNLIMITED CORP.	CAUSTIC & FLUORIDE	$ 2,016.20
227867	600-5-810-6411	AHLERS & COONEY P.C.	WATER SERVICE RULES DVLPMT	$ 3,888.00
227868	600-5-810-6371	ALLIANT ENERGY CO.	ELECTRIC-UTILITY	$ 212.21
227869	630-5-820-6310	ALWAYS CLEAN LLC	OFFICE AND COMMONS CLEANING	$ 300.00
227870	630-5-820-6181	AMAZON CAPITAL SERVICES	CLOTHING ALLOWANCE-GABE STRICKER	$ 329.85
227871	600-5-810-6331	ASCENDANCE TRUCKS EASTERN IOWA, LLC	UNIT 303 TRANSMISSION SERVICE PARTS	$ 703.14
227871	600-5-810-6331	ASCENDANCE TRUCKS EASTERN IOWA, LLC	UNIT 303 ENGINE SERVICE PARTS	$ 834.29
227872	600-5-810-6373	CENTRAL SCOTT TELEPHONE	PHONE AND INTERNET	$ 261.96
227872	630-5-820-6373	CENTRAL SCOTT TELEPHONE	PHONE AND INTERNET	$ 449.95
227873	630-5-820-6310	CINTAS CORPORATION	GRAY MATS	$ 133.98
227873	630-5-820-6310	CINTAS CORPORATION	GRAY MATS	$ 86.33
227874	630-5-820-6310	CINTAS FIRST AID & SAFETY D89	FIRST AID REFILL	$ 64.04
227875	630-5-820-6414	EASTERN IOWA PUBLICATION LLC	PUBLICATIONS	$ 760.31
227876	600-5-810-6331	EASTERN IOWA TIRE	UNIT 330-4 NEW TIRES	$ 1,103.16
227877	630-5-820-6560	FLETCHER-REINHARDT CO.	INVENTORY	$ 9,320.02
227877	630-5-820-6560	FLETCHER-REINHARDT CO.	INVENTORY	$ 440.84
227878	600-5-810-6501	HAWKINS INC.	CHLORINE CYLINDERS	$ 1,619.73
227879	600-5-810-6310	HOMETOWN MECHANICAL, INC.	N 1ST ST WATER MAIN BREAK	$ 6,459.00
227880	630-5-820-6450	IOWA ONE CALL	VOICE AND EMAIL	$ 184.30
227881	630-5-820-6417	MADISON COUNTY TREASURER	TAX BILL	$ 2,311.00
227882	600-5-810-6723	MENARDS	SNOW PSHR, FRTLZR, WIRE MESH FOR VENTS & OVRFLWS	$ 125.97
227883	600-5-810-6331	NAPA AUTO PARTS	FLEET BRAKE CLEANER	$ 9.57
227883	630-5-820-6332	NAPA AUTO PARTS	FLEET BRAKE CLEANER	$ 9.60
227884	600-5-810-6331	NIEMANN FOODS INC.	TRUCK #301 WIPER BLADES	$ 37.49
227884	630-5-820-6507	NIEMANN FOODS INC.	OP SUPPLIES	$ 59.14
227884	630-5-820-6507	NIEMANN FOODS INC.	CLEANING CLOTHS	$ 33.17
227884	630-5-820-6507	NIEMANN FOODS INC.	OP SUPPLIES	$ 26.99
227884	630-5-820-6507	NIEMANN FOODS INC.	OP SUPPLIES	$ 21.97
227884	630-5-820-6507	NIEMANN FOODS INC.	OP SUPPLIES	$ 19.99
227884	630-5-820-6507	NIEMANN FOODS INC.	OP SUPPLIES	$ 40.01
227884	630-5-820-6507	NIEMANN FOODS INC.	OP SUPPLIES	$ 24.97
227885	600-5-810-6451	QC ANALYTICAL SERVICES LLC	BACTERIAL SAMPLING	$ 216.00
227885	600-5-810-6451	QC ANALYTICAL SERVICES LLC	FLUORIDE SAMPLING	$ 29.00
227885	600-5-810-6451	QC ANALYTICAL SERVICES LLC	AMMONIA SAMPLING	$ 29.00
227886	630-5-820-6560	RESCO	INVENTORY	$ 831.50
227886	630-5-820-6781	RESCO	SUBDIVISION SUPPLIES	$ 10,423.89
227886	630-5-820-6781	RESCO	CAPITAL PROJECTS	$ 34,935.30
227887	600-5-810-6373	SHARED IT INC	IT SERVICES, OFFICE 365 G3, BACKUP, KNOWB4	$ 175.99
227887	630-5-820-6373	SHARED IT INC	IT SERVICES, OFFICE 365 G3, BACKUP, KNOWB4	$ 175.99
227888	604-5-810-6750	SHIVE-HATTERY ENGINEERS	WELL #6 ENGINEERING	$ 2,720.00
227889	630-5-820-6340	STAPLES	BANKER BOXES AND PRINTER PAPER	$ 100.08
227890	630-5-820-6560	STUART C IRBY CO	INVENTORY	$ 213.14
227890	630-5-820-6560	STUART C IRBY CO	INVENTORY	$ 395.90
227890	630-5-820-6560	STUART C IRBY CO	INVENTORY	$ 722.25
227890	630-5-820-6560	STUART C IRBY CO	INVENTORY	$ 459.35
227890	630-5-820-6560	STUART C IRBY CO	INVENTORY	$ 1,113.87
227890	630-5-820-6560	STUART C IRBY CO	INVENTORY	$ 672.23
DFT0001186	630-5-820-6503	CENTRAL MUNICIPAL POWER	SEPT ENERGY SUPPLY	$ 324,126.22
DFT0001221	630-5-820-6501	MIDAMERICAN ENERGY COMPANY	LOUISA CASH REQUEST	$ 75,000.00
DFT0001222	630-5-820-6502	MIDAMERICAN ENERGY COMPANY	WS-4 CASH REQUEST	$ 32,000.00
DFT0001251	821-5-630-6184	EBS	PSF CLAIM FUNDING	$ 341.61
DFT0001254	630-5-820-6601	ADP, INC	ADP ADMIN FEES OCTOBER	$ 32.17
DFT0001256	630-5-820-6402	PAYMENTECH (TYLER CC)	PAYMENTTECH FEES	$ 468.37
DFT0001257	630-5-820-6402	PAYMENTECH (TYLER CC)	PAYMENTECH FEES	$ 84.42
DFT0001258	630-5-820-6402	PAYMENTECH (TYLER CC)	PAYMENTECH FEES	$ 4,998.23
DFT0001261	600-5-810-6331	WEX BANK	FUEL	$ 620.27
DFT0001261	630-5-820-6331	WEX BANK	FUEL	$ 353.41
DFT0001262	600-5-810-6150	EBS	COBRA	$ 49.96
DFT0001262	630-5-820-6150	EBS	COBRA	$ 61.62
DFT0001264	821-5-630-6184	EBS	PSF CLAIM FUNDING (UTILITY)	$ 281.19
ACH	SPLIT	PAYROLL DATE- 11-5-26	PAYROLL DATE- 11-5-26	$ 40,930.38
			TOTAL:	$ 565,129.16

AGENDA

IOWA DEPARTMENT OF NATURAL RESOURCES

GOVERNOR KIM REYNOLDS
LT. GOVERNOR CHRIS COURNOYER
DIRECTOR KAYLA LYON

Sent via Electronic Mail
Receipt Confirmation Requested

November 09, 2026

ATTN CEGAN LONG WATER SUPERINTENDENT
305 N 3RD STREET
PO BOX 375
ELDRIDGE IA 52748
Via Email: clong@cityofeldridgeia.org

Subject: ELDRIDGE WATER SUPPLY Sanitary Survey
Public Water Supply ID # IA8230008

Dear Mr. Long:

Enclosed is the report of the recent sanitary survey of the public water supply referenced above. No significant deficiencies were identified. One minor deficiency as well as several requirements, and recommendations are detailed in the report and summarized at the end. The minor deficiencies and requirements must be addressed to be in compliance. The recommendations can be addressed as time and budget allows. We strongly encourage you to take action on the conclusions listed.

If you have any questions about the sanitary survey or written report, please contact me at 319-653-1845 or jon.ryk@dnr.iowa.gov.

The cooperation and assistance of Cegan Long and Tanner Loussaert in completing this survey is appreciated.

Sincerely,

JON RYK
Environmental Specialist, FIELD OFFICE #6

Enclosure(s): 1) Sanitary Survey Report

c: Water Supply Operations (w/encl. via email: pwsrecords@dnr.iowa.gov)
Nevada Lemke, City Admin (w/encl. via email: nlemke@cityofeldridgeia.org)
Sadie Wagner, Financial/Utility Admin (w/encl. via email: swagner@cityofeldridgeia.org)
FOCD – Eldridge Water Supply #8230008

PUBLIC WATER SUPPLY INFORMATION			
SYSTEM	**NAME:** ELDRIDGE WATER SUPPLY		**PWS CLASSIFICATION:** Community
	ADDRESS: ELDRIDGE, CITY OF, ATTN CITY CLERK, 305 N 3RD ST PO BOX 375, ELDRIDGE, IA, 52748		**PHONE:** 563-285-4841
	RESPONSIBLE AUTHORITY/OWNER: ELDRIDGE, CITY OF		
	ADDRESS: ELDRIDGE, CITY OF, ATTN CITY CLERK, 305 N 3RD ST PO BOX 375, ELDRIDGE, IA, 52748		**PHONE:** 563-285-4841
	TREATMENT GRADE: WT2	**DISTRIBUTION GRADE:** WD2	**WATER USE PERMIT #:** 6056-R4

SOURCE/ENTRY POINT	**SDWIS NAME:** S/EP FRM WELLS #2, #3, #4, & #5	**DESCRIPTION/PHYSICAL LOCATION:** 525 Donahue St, Eldridge, IA

RESPONSIBLE OPERATOR(S)	**NAME:** ANTHONY RUPE, CEGAN LONG	**WT GRADE:** WT2, WT4	**WD GRADE:** WD1, WD4	**CERTIFICATION #:** 7921, 12443

SURVEY INFORMATION				
SURVEY	**DATE THIS SURVEY:** 10/30/2026	**DATE LAST SURVEY:** 02/05/2024		**PURPOSE: Routine Sanitary Survey**
PERSON INTERVIEWED	**NAME:** Cegan Long Tanner Loussaert		**TITLE:** Water Superintendent Grade 2 Operator	
CONSUMPTION	**Period Reviewed:** 2/5/2024 to 10/30/2026	**AVERAGE DAILY USE (MGD):** 0.624	**MAXIMUM DAILY USE (MGD):** 1.393	**PE @100 GPCD:** 6238
POPULATION SERVED	**TOTAL NUMBER OF SERVICE CONNECTIONS:** 3101		**POPULATION OUTSIDE CORPORATE LIMITS:** 13	
	CENSUS POPULATION: 6726		**TOTAL POPULATION SERVED*:** 6739	
	MILES OF PIPE (RURAL SYSTEMS ONLY): N/A			

*equals census pop. + population outside corp. limits(2.5 X # of service connections or actual pop.)

SURVEY INFORMATION		
ASSESSMENTS	**SOURCE CLASSIFICATION:** Ground water	**ORGANIC CHEMICAL PHYSICAL VULNERABILITY (SW/IGW SYSTEMS ONLY):** No
	ORGANIC CHEMICAL VULNERABILITY (GW SYSTEMS ONLY): No	**ORGANIC PHYSICAL VULNERABILITY (GW SYSTEMS ONLY):** N/A

AUTHENTICATION		
INSPECTOR	**NAME/TITLE:** JON RYK Environmental Specialist	**DATE:**
REVIEWER	**NAME/TITLE:** AARON PICKENS Field Office #6 Supervisor	**DATE:**

General Description

The Eldridge water supply derives its water from four different wells including: Well #2 (1929) which is 462 feet deep, Well #3 (1955) which is 487 feet deep, Well #4 (1999) which is 480 feet deep, and Well #5 (2006) which is 482 feet deep. Well #2 is located in a well house south of the intersection of N 3rd Street and W Franklin St. Well #3 is located in the treatment plant at 505 West Donahue Street. Well #4 and Well #5 are located in well houses within Sheridan Meadows Park.

The water supply utilizes the following treatment:

1. Aeration via a cascade, forced draft aerator for oxidation (for iron removal).

2. Sedimentation via one 81,000-gallon clearwell (ST03).

3. Pre-chlorination via gas chlorine for disinfection (also oxidation for iron removal) at Filters #1 and #2

4. Filtration via eight (8) gravity filters using sand and anthracite media for iron removal, nitrate removal, and ammonia conversion (combination of pre-chlorine, biological, and post-chlorination). Filters #1 and #2 have the ability to pre-chlorinate. Filters #3 and #4 are biological

5. Post chlorination after the filters for disinfection when on free chlorine.

6. Caustic soda injection for pH adjustment and corrosion control.

7. Fluoridation via fluorosilicic acid injection.

With the exception of the pre-chlorination, all of the chemical injection points (e.g. caustic, post chlorination, fluoride) are prior to the clearwell.

The water supply includes the following storage structures:

1. One 81,000-gallon post-aeration detention basin (ST03) is located at the treatment plant and is used for storage of partially treated water post aeration and pre-chlorination.

2. One 50,000-gallon clearwell (ST04) is located at the treatment plant.

3. One 300,000-gallon elevated storage tank (ST01) located at 200 E Iowa St.

4. One 750,000-gallon elevated storage tank (ST02) located at 401 S 16th Ave.

The water supply utilizes four (4) high service pumps to pump from the clearwell to the ESTs. Pumps #1 and #3 have a 500 gpm capacity. Pumps # 2 and #4 have a 600 gpm capacity.

1. Sources

- It is recommended that the water system obtain an interconnection agreement with a separate public water supply or develop an emergency plan for supplying water during outages. An emergency plan should be updated annually.

- WL01 – Well #2 (1929): There was no well construction log on file. Recommended Standards for Water Works 3.2.5.4 requires the owner of each well to retain all records pertaining to the well until the well has been properly abandoned. It is recommended that the system obtain a copy of the well construction log. This information may be available on GeoSam at http://www.iihr.uiowa.edu/igs/geosam/home

2. Treatment

- TP01 - Separate switches for the ventilating fan and for the lights shall be located outside and at the inspection window. Outside switches must be protected from vandalism. [Recommended Standards for Water Works 5.8.1.d.7]

- TP01 - The aerator should be taken out of service periodically for cleaning, inspection, and to complete appropriate maintenance.

- TP01 - It is recommended that all piping and chemical feed lines be labeled and color coded according to Recommended Standards for Water Works 2.16 and 5.5.12. Inadequate labeling could result in improper chemical injections or treatment of the drinking water.

- TP01 – There was no splash plate located below the discharge from the overflow piping for the 81,000-gallon detention tank (Ground Storage Tank ST03). All water storage structures shall be provided with an overflow which is brought down to an elevation between 12 and 24 inches above the ground surface, and discharges over a drainage inlet structure or a splash plate. [Recommended Standards for Water Works 7.1.7, 2022 Edition]

3. Distribution System

- 950 - Main breaks are one of the normal problems in a water system. If the breaks are frequent, there may be a problem with the integrity of the piping. Each main break opens the system to contamination, and frequent breaks increase the potential for introducing waterborne pathogens into the system. Most breaks are due to leaks, not age. Leaks undermine the pipe, causing it to fail under the weight of the overburden. To prevent main breaks, a routine leak detection program should be conducted and a record of distribution system repairs should be kept that identifies the location and type of repair, repair device or length of replacement pipe, and general condition of the line.

- 950 - Chlorinated water cannot be discharged to a water of the state unless it can meet water quality standards and the water system complies with NPDES General Permit #8. Information on NPDES General Permit #8 for discharges to the ground surface and surface waters of the state during flushing can be found at http://iowadnr.gov/gp8. Best management practices, such as frequent visual examinations, dechlorination, and erosion control, during a discharge event from water line disinfection, flushing, or pressure testing may be necessary to comply with General Permit #8 or to prevent a violation of water quality standards. [567 IAC 60.3(2)b.(1)]

4. Finished Water Storage

- The Eldridge Water Supply uses KLM Engineering for inspection of storage systems using divers or remote operated vehicles (ROVs). Water systems that use contracted services for inspecting finished water storage tanks using underwater methods such as divers or remote operated vehicles (ROV) must follow the Iowa DNR Underwater Storage Tank Inspection & Cleaning Guidance; a copy can be downloaded from www.iowadnr.gov/ws-forms.

- ST01 – There was no splash plate located below the discharge from the overflow piping for the 300,000-gallon elevated storage tank (ST01). All water storage structures shall be provided with an overflow that discharges over a drainage inlet structure or a splash plate. No overflow may be connected directly to a sewer or a storm drain. All overflow pipes shall be located so that any discharge is visible. [Recommended Standard for Water Works 7.1.7, 2022 Edition]

5. Pumps, Pump Facilities and Controls

There are no deficiencies or recommendations to report based on observations made at the time of this survey.

6. Monitoring, Reporting and Data Verification

- The presence of ammonia and/or TKN at or above 0.7 mg/L in the source water indicates a potential for exceeding the nitrite maximum contaminant level (MCL) of 1.0 mg/L at the source/entry point or in the distribution system. It should be noted that nitrite monitoring has already been included in the

Water Supply Operations Permit and that the system has a nitrite monitoring plan.

- During this sanitary survey disinfectant residuals were measured at the Source/Entry Point (S/EP). The free available chlorine residual was 1.83 mg/L and total residual chlorine was 2.14 mg/L, which is adequate. A free to total chlorine ratio of .855, and the absence of free chlorine drift when taken every 30 seconds, indicates that the system was chlorinating via free chlorine at the time of the visit.

- The lead service line inventory (LSLI) was submitted to the Iowa DNR as required; all service lines were identified as non-lead. Nonetheless, the water system must continue to update the inventory database locally as service lines are added or new information is encountered in the course of normal operations. A baseline inventory of service lines and connectors must be resubmitted to the Iowa DNR by November 1, 2027, in accordance with the Lead and Copper Rule Improvements (LCRI); more information will be provided by the Iowa DNR as that date approaches and the LCRI is implemented. You are also reminded that non-lead lines must go into the pool for verification or two-point visual inspection to ensure there are no lead goosenecks or partial lead lines.

- The water system leadership should be briefed on cybersecurity risks at least once annually and remain committed to cybersecurity.

7. Water System Management and Operations

- All cameras and alarms installed for security purposes should be connected to SCADA where available and include monitors at manned locations.

- Cybersecurity is important and the Iowa DNR will remain a conduit for information between the EPA, CISA, and Iowa's local water operators and systems. The following resources are available for cybersecurity assistance: o Cybersecurity & Infrastructure Security Agency's Free Cybersecurity Services and Tools webpage (https://www.cisa.gov/resources-tools/resources/free-cybersecurity-services-and-tools?utm_medium=email&utm_source=govdelivery); o EPA's Cybersecurity for the Water Sector webpage (https://www.epa.gov/waterresilience/epa-cybersecurity-water-sector?utm_medium=email&utm_source=govdelivery); and o EPA’s Free Cybersecurity Evaluation Program, which will conduct a cybersecurity assessment for PWSs. The assessment will follow the checklist in the guidance on Evaluating Cybersecurity at Public Water Supplies which will then generate a report that will highlight gaps in cybersecurity (https://www.epa.gov/waterresilience/forms/epas-water-sector-cybersecurity-evaluation-program?utm_medium=email&utm_source=govdelivery).

- Emergency conservation planning reduces the demand on the source or system experiencing a temporary shortage and conservation practices reduce chemical and electrical costs and minimizes wear and tear on equipment. An effective water conservation program is recommended and may help avoid the need for capacity expansion. Emergency water conservation plans may be required for some systems that have water use permits; please refer to the general provisions section of the water use permit. [567 IAC 50.16] It should be noted that the emergency conservation program for the water supply is currently under legal review and should be in place by the end of the year.

8. Operator Certification Compliance

There are no deficiencies or recommendations to report based on observations made at the time of this survey.

Summary of Significant Deficiencies

There are no significant deficiencies to report based on observations made at time of survey.

Summary of Minor Deficiencies

1. The Eldridge Water Supply uses KLM Engineering for inspection of storage systems using divers or remote operated vehicles (ROVs). Follow the Iowa DNR Underwater Storage Tank Inspection & Cleaning Guidance when inspecting finished water storage tanks using underwater methods such as divers or remote operated vehicles (ROV).

Summary of Requirements

1. Ensure chlorinated water is not discharged to a water of the state unless it meets water quality standards and the water system complies with NPDES General Permit #8. [567 IAC 60.3(2)b.(1)]

Summary of Recommendations

1. Obtain an interconnection agreement with a separate public water supply or develop an emergency plan for supplying water during outages.
2. Connect security cameras and alarms to SCADA.
3. Periodically take the aerator out of service for inspection, cleaning, and maintenance.
4. Develop and implement a leak detection program to prevent main breaks and plan for replacement of water mains experiencing frequent breaks.
5. Obtain a copy of the well construction logs. [Recommended Standards for Water Works 3.2.5.4]
6. Cyber-attacks against public water systems are increasing. Implementing basic cyber hygiene practices can help your utility prevent, detect, respond, and recover from cyber incidents.
7. Provide separate switches for the ventilating fan and for the lights at a location outside the chlorine storage and feed room and at the inspection window. Outside switches must be protected from vandalism. [Recommended Standards for Water Works 5.8.1.d.7]
8. Ensure all piping and chemical feed lines are identified and color coded according to Recommended Standards for Water Works 2.16 and 5.5.12.
9. Add a splash plate to the overflow outlet of the elevated storage tower (ST01). The overflow can also discharge over a drainage inlet with an appropriate air gap. [2022 Edition Recommended Standard for Water Works 7.1.7]
10. Add a splash plate to the overflow outlet of the 81,000-gallon treatment plant ground-level storage structure (ST03). The overflow can also discharge over a drainage inlet with an appropriate air gap. [Recommended Standard for Water Works 7.1.7, 2022 Edition]
11. Brief the system administration annually on cybersecurity risks.

Summary of Reminders

1. Disinfection residuals were sampled during this sanitary survey and discussed with the operator.
2. Continue to update the LSLI locally, plan for two-point visual inspections of non-lead lines, and by November 1, 2027, submit the baseline inventory to the Iowa DNR.