

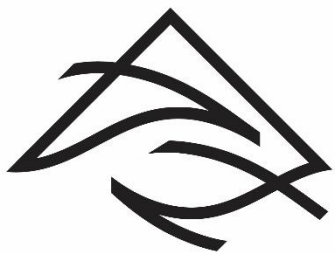
MONTHLY SUMMARY OF OPERATIONS REPORT

February 2026



LISBON WATER
DEPARTMENT

PARTNERED WITH



**Woodard
& Curran**

Prepared for:
Lisbon Water
Department

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Executive Summary – February Operations Report

The Lisbon Water Department maintained full compliance with all state and federal drinking water standards throughout the month of February. Woodard & Curran continues to manage and operate the Department's drinking water treatment and distribution systems with a strong focus on reliability, efficiency, and consistent delivery of high-quality drinking water to the residents of Lisbon and Lisbon Falls. System performance across both the Moody and Bauer Water Treatment Facilities, as well as the distribution network, remained stable with no significant downtime or regulatory issues.

➤ **Water Quality & Compliance**

- All chemical dosing parameters remained within target ranges, including:
 - Poly-orthophosphate
 - Sodium hypochlorite
- A total of seven (7) routine Total Coliform Rule (TCR) samples were collected; all results were absent of coliform.
- Quarterly regulatory samples were completed, all in compliance.
- Arsenic levels remained well below regulatory thresholds.
- Orthophosphate levels were within desired residual limits.
- One water quality complaint was received in February after the Lisbon FD used a hydrant.
- On March 2, 2026, the Lisbon Water Department was issued a Notice of Non-Compliance for a Treatment Technique Violation: Failure to Perform/Submit a Level 1 Assessment by the required due date. This violation stemmed from two TC+ samples collected in February 2025. Although the assessment was completed, it was not received by the MDWP by the deadline of March 26, 2025.

➤ **Operations & Seasonal Maintenance**

- Operators continued routine hydrant winter maintenance, including clearing hydrants of snow and performing hydrant "dipping" as time and conditions allowed.

➤ **Infrastructure & System Repairs**

- The hydrant located at 385 Lisbon Road was removed and replaced with a new unit, restoring full functionality at that location.

➤ **Control Systems & Equipment**

- Woodard & Curran are awaiting availability and lead-time information from Hydrus Controls regarding the valve replacements. Tentative installation of the surge buster valve at Bauer PS is scheduled for Tuesday, 2/10/26. Hydrus is still awaiting PRV delivery (date TBD).
- Finished Water Pump Motor #2 has been repaired and returned. We are currently sourcing three quotes for a new pump to install and mount to FW Motor #2 to restore the Treatment Facility to its original specifications.
- Development of the systemwide hydraulic model remains in progress.

➤ **Emergency Response Events**

Two emergency main break responses occurred during February:

- 101 Lisbon Street: 6-inch water main break
 - The break was determined to be on private property after the repairs were made
- Pine Street: 6-inch water main break
- Both events were resolved promptly with no extended service disruptions.

➤ **Facilities & Electrical Improvements**

- The Department has received 3 quotes for the restoration of 480V 3 phase power at Ann Street.

COPIES OF ALL REQUIRED MAINEDWP COMPLIANCE REPORTS ARE KEPT ON FILE AT THE LISBON WATER DEPARTMENT OFFICE AND DIGITALLY ON OUR CORPORATE SERVER. THEY ARE AVAILABLE UPON REQUEST.

1. HEALTH & SAFETY

- There were no safety related incidents during the month of February 2026.
- As previously stated, we had no lost time accidents for the month of February 2026. We are currently at 176 consecutive days without a lost time accident through the end of February 2026.
- Daily Safety Meetings were conducted daily when more than one staff member was present.
- Monthly SPARKS meeting was held on February 27, 2026, and the topic of the meeting was **“JSA’s & Standard Operating Procedure’s”**
- The following Pure Safety Trainings were completed by project staff in the month of February.
 - **Matthew Waite**
 - W&C Ergonomics
 - **Dillion Whitney**
 - W&C Ergonomics
 - **Emily Bellegarde**
 - W&C Ergonomics
 - **Brian Petrie**
 - W&C Ergonomics



2. COMPLIANCE AND WATER QUALITY

2.1 - TCR SAMPLING

TABLE 2-1: February 2025 TCR SAMPLING

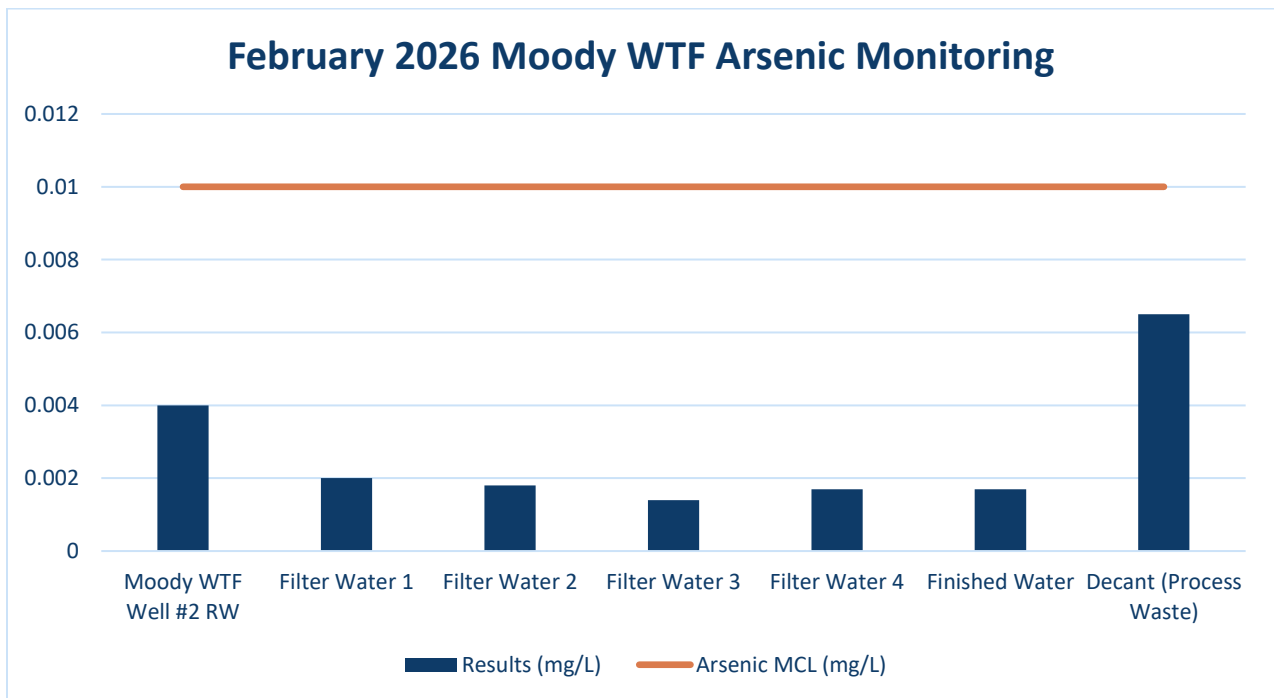
Routine Samples Collected	Repeat Samples Collected	Compliant	Excursions	Compliant for Month
7	0	7	0	Yes

Total Coliform Rule (TCR) Compliance Summary

During the month of February, a total of 7 routine TCR samples were collected. All samples came back within normal operating range.

2.2 - ARSENIC MONITORING

CHART 2-2: February 2026 MOODY WTF ARSENIC MONITORING



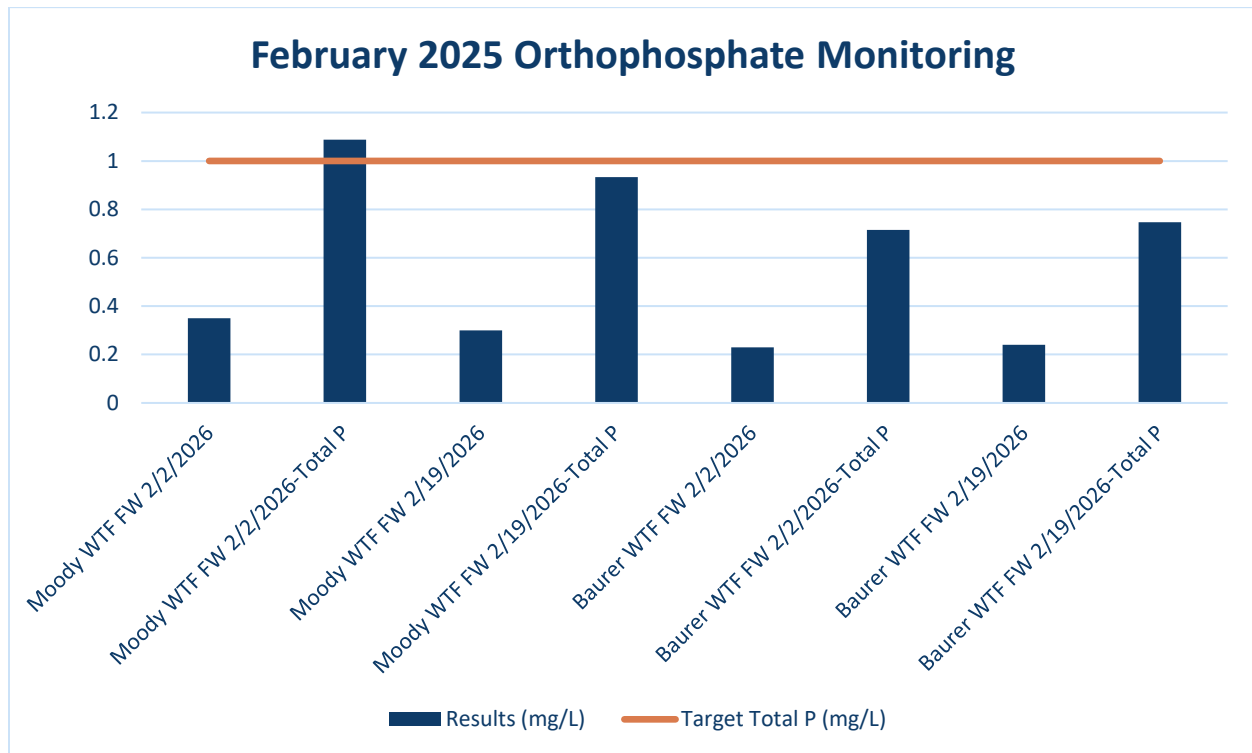
➤ Arsenic RAA Summary – Well HD-4 (Ann Street Well)

The Running Annual Average (RAA) for arsenic at Well HD-4 (Ann Street Well) was calculated at 7.7 ppb using the four quarterly samples collected in 2025. This result is below the regulatory Maximum Contaminant Level (MCL) of 10 ppb, indicating that treatment installation would not be required if the well were to be brought back online.

The Drinking Water Program has confirmed that the quarterly arsenic monitoring schedule will be closed out as of December 31, 2025, and quarterly arsenic sampling will not be required in 2026.

2.3 ORTHOPHOSPHATE MONITORING

CHART 2-3: February 2025 Moody WTF Orthophosphate Monitoring



Sampling Procedures are being updated to improve accuracy and dosing adjustments.

**Recent lab reports from A&L Labs indicated non-detect or trace levels of orthophosphate. LWD uses a blended phosphate (50% orthophosphate / 50% polyphosphate) for corrosion control and mineral sequestration. Upon investigation, it was found that A&L reports orthophosphate as phosphorus (PO_4-P), requiring conversion to determine total phosphorus, or orthophosphate (PO_4^{3-}): To convert from phosphorus (PO_4-P) to orthophosphate (PO_4^{3-}) divide the value by 0.3261. No formal study is required at this time, but dosage adjustments may be considered pending further data collection and review.*

2.4 WATER QUALITY COMPLAINTS

Water Quality Complaints

- In February, the Lisbon Water Department received a water quality complaint from a resident at 72 Ferry Road following hydrant use by the Lisbon Fire Department. The complaint characteristics were consistent with temporary discoloration caused by naturally occurring sediment in the water mains becoming unsettled during higher-than-normal system flow.

The customer declined onsite sampling; therefore, Operations collected poly-orthophosphate and arsenic samples from the nearest hydrant on Ferry Road. Analytical results confirmed that arsenic levels remained well below regulatory limits and orthophosphate levels were within the desired residual range.

3. SYSTEM OPERATIONS

3.1 EVENTS IMPACTING OPERATIONS

➤ **Ferry Road Water Main Break**

Post-Incident Report: Emergency Water Main Break

Incident Date: February 16, 2026

Reported Time: 10:00 AM

Location: Pine Street (Between Maple Street & Goddard Street)

Main Details: 6-inch Water Main

Summary of Event

On February 16, 2026, the Lisbon Water Department responded to an emergency water main break involving a 6-inch water main at approximately 10:00 AM. The incident occurred on Pine Street between Maple Street and Goddard Street. All internal notification and communication protocols were initiated promptly, and crews were dispatched to isolate and begin repairs on the damaged main.

Impact

- **Customers Affected:** Approximately 20
- **Impacted Streets:** Pine Street (Maple Street to Goddard Street)
- **Customer Experience:** Customers in the affected area experienced low to no water pressure during the event

Operational Response

- **Estimated Repair Completion Time:** 9:00 PM
- **Traffic Impact:** Pine Street was closed to traffic on the Maple Street side during repair operations. Motorists were advised to seek alternate routes.
- **Estimated Time to Restore Normal Traffic Conditions:** 11:00 PM

Communication

Notifications were provided alerting customers to expect reduced or no water pressure during the repair period. The Lisbon Water Department extended its apologies for the inconvenience and communicated appreciation for customers' patience. Field crews worked diligently to perform repairs safely and efficiently.

➤ **Lisbon Street Water Main Break**

Post-Incident Report: Emergency Water Main Break

Incident Date: February 7, 2026

Reported Time: 7:30 AM

Location: Lisbon Street at Sabattus Creek Drive, Lisbon, ME

Main Details: 12-inch Water Main

Summary of Event

On February 7, 2026, the Lisbon Water Department responded to an emergency water main break involving a 12-inch water main at approximately 7:30 AM. The break occurred on Lisbon Street near Sabattus Creek Drive. Internal notification and communication protocols were initiated immediately, and crews were deployed to isolate the break and begin repair operations.

Impact

- **Customers Affected:** Approximately 50
- **Impacted Streets:** Lisbon Street in the area surrounding Sabattus Creek Drive
- **Customer Experience:** Customers within the affected area experienced low or no water pressure throughout the duration of the event

Operational Response

- **Estimated Repair Completion Time:** 8:00 PM
- **Traffic Impact:** Closure of the southeast lane on Lisbon Street during repair activities
- **Estimated Traffic Restoration:** Normal traffic conditions expected to be restored by 9:30 PM

Communication

Public notifications advised customers in the affected area to expect reduced or no water pressure while repairs were underway. The Lisbon Water Department apologized for the inconvenience and expressed appreciation for the community's patience and cooperation. Crews worked diligently to complete repairs in a safe and efficient manner.

3.2 FINISHED WATER PRODUCTION

- **February 2026 Total Production:** 13.248 MG
- **February 2026 Average Daily Production:** 0.473 MGD
- **February 2026 Peak Daily Production:** 0.632 MGD

3.3 MOODY WATER TREATMENT FACILITY (WTF)

- **Operating Well:** 2
- **Volume Treated:** 8,755,976 gallons
- **Average pH:** 7.68
- **Chlorine Residuals:**
 - Target: 1.3 ppm
 - Plant Avg: 1.49 ppm
- **Chemical Usage:**
 - Chlorine: 1,940.84 lbs (Avg: 69.32 lbs/day)
 - Poly Orthophosphate: 438.33 lbs (Avg: 15.65 lbs/day)
 - Target Residual: 1.0 ppm
- **Equipment Out of Service:**
 - FW Pump 2
 - Sewer Grinder Pump 2
- **Downtime:** 0 days

3.4 BAUER WATER TREATMENT FACILITY (WTF)

- **Volume Treated:** 4,492,240 gallons
- **Average pH:** 7.09
- **Chlorine Residuals:**
 - Target: 0.80 ppm
 - Plant Avg: 0.79 ppm
- **Chemical Usage:**
 - Chlorine: 172.74 lbs (Avg: 5.57 lbs/day)
 - Poly Orthophosphate: 88.70 lbs (Avg: 2.86 lbs/day)
 - Target Residual: 0.80 ppm
- **Downtime:** 0 days

3.5 ANN STREET WELL

- Remains out of service.

- Flagged as Active/Emergency Use Only.
- **Downtime:** 176 days
- 480 Phase Service Reinstallation in Progress
 - CT Cabinet, Meter Cabinet and Disconnect need to be installed

3.6 DISTRIBUTION SYSTEM

- Seasonal Hydrant Checks
 - Monthly inspections of hydrants are ongoing to ensure proper functionality and system reliability.
 - Snow removal around hydrants is actively being performed to maintain accessibility for emergency and operational needs.

3.7 PROJECT UPDATES

- **Aqueous Infrastructure Tank Maintenance**

Operations have received quotes from Aqueous Infrastructure, and their work is tentatively scheduled for mid-April through mid-May. The planned scope includes:

- Cleaning and inspection of the Moody Clearwell, Lisbon Tank, and Lisbon Falls Tank
- Replacement of the overflow screen at the Lisbon Falls Tank
- Replacement of tank mixers in both the Lisbon Tank and Lisbon Falls Tank

These activities are part of ongoing efforts to maintain water quality, extend asset life, and ensure compliance with regulatory standards.

- **SCADA Improvements**

The Woodard & Curran SCADA team has successfully completed additional wiring improvements at the Moody Water Treatment Facility, resulting in both Poly Orthophosphate pumps becoming fully operational. The Poly system process screen has also been updated to improve standardization and enhance operator usability for monitoring and control.

A quote is currently being obtained from Prominent Pumps for a relay upgrade to provide run status, volume, stroke rate, and real time gallons treated per hour.

The next phase of this improvement project will include automation of pump logic. This will allow pumps to operate in a lead/lag configuration, ensuring that if a lead pump fails to start, the system will automatically transfer operation to the lag pump. This upgrade is expected to reduce operational downtime and minimize the need for operator intervention.

Pending SCADA Work

Programming updates for Finished Water Pump Motor #1 at the Moody facility remain pending.

- **Moody Water Treatment Facility**

Finished Water Pump Motor #2 has been repaired and returned to the facility. Operations is currently sourcing three quotes for a replacement pump, as the pump currently in service is undersized for operational needs. Once procured, the new pump will be mounted to restore proper capacity.

- **Bauer Station**

Hydus Controls is scheduled to replace the surge buster valve on March 10, 2026. This replacement is necessary to maintain system pressure stability and reduce mechanical stress on downstream components.

- **Ann Street Station**

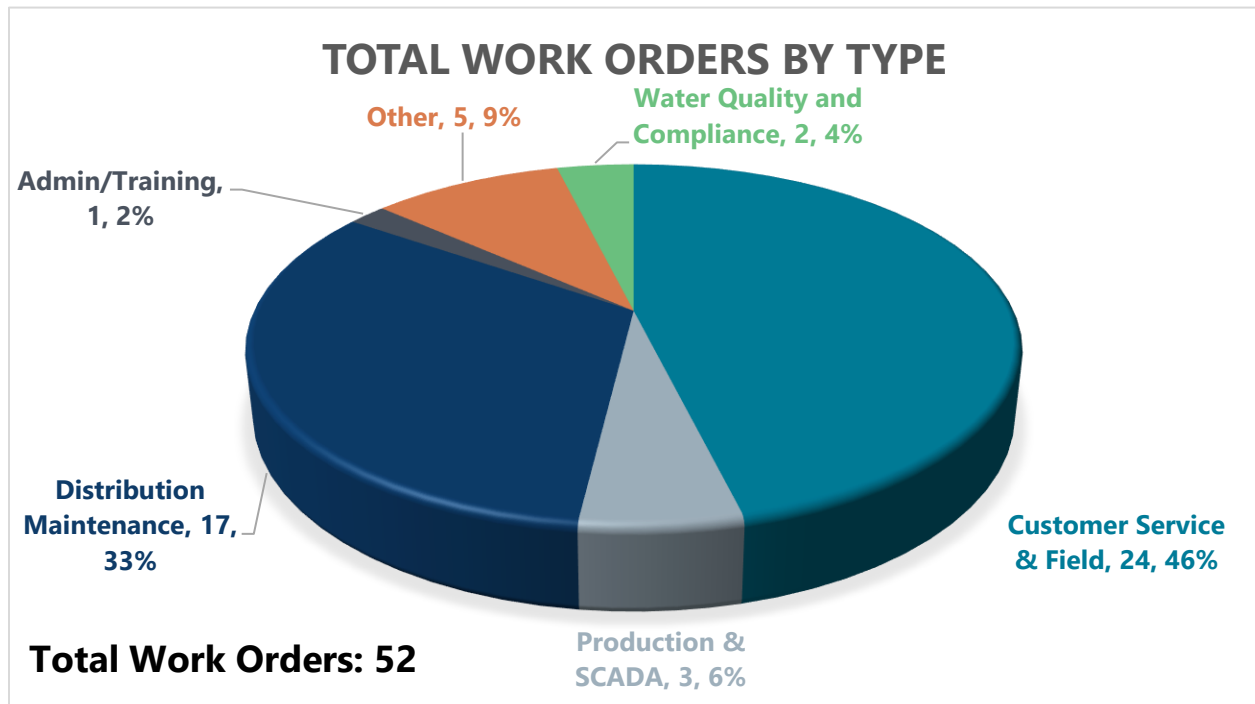
Hydus Controls has ordered the new Pressure Reducing Valve (PRV) for the Ann Street location and is awaiting delivery (date TBD). Installation will be scheduled upon arrival of the equipment.

4. MAINTENANCE MANAGEMENT

4.1 GENERAL SYSTEM MAINTENANCE

- Housekeeping and grounds keeping completed throughout the facilities and system.

CHART 4-1 February 2026 CMMS WORK ORDERS



➤ Infrastructure Needing Repair

- **Gate Valves:**
 - Berry & School intersection: leaking
 - WIP
 - Mill Street: suspected broken seat
 - WIP
 - Capital near Public Works: missing valve nut
 - WIP
- **Hydrants:**
 - Pinewoods: control valve leak
 - Received three quotes for valve replacement
 - Hydrant is an old A.P. Smith; replacement should be considered
 - Avery @ Oak & Birch: valve not capped
 - WIP
- **Curb Stops:**
 - Multiple locations require full replacement (e.g., 9 St. Ann, 6 Willow Circle)
 - WIP; will hydro-excavate where appropriate and make repairs. Quotes will be obtained for replacements beyond operational capacity.

5. CAPITAL IMPROVEMENT AND OUT OF SCOPE PROJECTS

The following Capital Improvement and Out-of-Scope projects are currently in the planning and proposal stages with Woodard & Curran:

1. **Inspection and Cleaning of Moody WTF Clearwell**
Status: Work in Progress (WIP)
2. **Inspection and Cleaning of the Lisbon Falls Storage Tank**
Status: Work in Progress (WIP)
3. **Inspection and Cleaning of the Lisbon Storage Tank**
Status: Work in Progress (WIP)
4. **Redundant Server for SCADA**
Status: Work in Progress (WIP)

Please note: For Items 2 and 3, the Department is also evaluating the replacement of existing tank mixers. Project staff are working with Aqueous, Kasco, and internal operations personnel to assess equipment options and project integration. Additionally, Items 1 through 3 may be bundled to reduce overall mobilization costs and increase project efficiency.

6. PROJECT FINANCIALS

Lisbon Water Department				
Contract Year 1 (September 8, 2025 - December 31, 2026)				
Services through:				
2/28/2026				
Budget Summary Through February 2026				
	Total CY1 Budget	Total CY1 Actual Costs	Total CY1 Budget YTD	Variation
Labor (Direct Salaries and Benefits)	913,632	258,745.79	\$ 318,531.41	\$ 59,785.62
Overhead	243,635	68,998.88	\$ 84,941.64	\$ 15,942.76
Utility Costs	80,971	12,369.78	\$ 28,229.97	\$ 15,860.19
Chemical Costs	32,808	12,215.46	\$ 11,438.28	\$ (777.18)
Repair & Maintenance Costs	173,227	19,478.64	\$ 60,394.38	\$ 40,915.74
Lab Supplies & Equipment Costs	26,903	14,137.93	\$ 9,379.54	\$ (4,758.39)
Office Supply Costs	1,312	1,325.31	\$ 457.42	\$ (867.89)
Miscellaneous Costs	48,632	24,284.43	\$ 16,955.21	\$ (7,329.22)
Other Operating Costs	40,965	28,640.20	\$ 14,282.16	\$ (14,358.04)
Subtotal	\$ 1,562,085.00	440,196.41	544,610.01	104,413.60
Fixed Fee	124,967	35,215.71	\$ 43,568.80	\$ 8,353.09
Total YTD Budget vs Actual	\$ 1,687,052	\$ 475,412.12	\$ 588,178.81	\$ 112,766.69

**Please note, the above numbers are subject to change due to accounting shifts that occurred beyond February's billing end. Those shifts will be reflected in March's month end financials. **

7. ADMINISTRATIVE ACTIVITIES

7.1 PROJECT STAFFING AND TRAINING

TABLE 7-1: PROJECT PERSONNEL

➤ **New Hire**

Operations is pleased to announce that we have hired a new Water Operator, Colby Morrill, who joined the department on March 2, 2026. Colby is a recent graduate of UMASS Lowell, where he earned his degree in Chemical Engineering. We are excited to welcome him to the team and look forward to the technical knowledge and fresh perspective he brings to our operations.

➤ **Operator Licensure**

Brian Petrie continues to be an exceptional asset to the Operations team. Since joining the department, Brian has demonstrated strong initiative by actively studying for his operator exams, asking thoughtful operational questions, and seeking out training and professional development opportunities.

We are pleased to report that Brian recently passed the Water Treatment Grade II Operator License exam and has officially earned his license. Congratulations to Brian on this achievement.

Brian also plans to sit for his Water Distribution Operator exam in the coming weeks.

➤ **Completed Training**

ProMinent Chemical Pump Training – February 26, 2026

ProMinent—the manufacturer of the chlorine feed pumps used at Bauer Pump Station and Ann Street, as well as the poly-orthophosphate pumps at the Moody Water Treatment Facility, Bauer, and Ann Street—provided hands-on operational and maintenance training to the Operations team. This training helps ensure that critical chemical feed equipment continues to operate safely, reliably, and efficiently.

During the session, operators received instruction on:

- **Pump Components & Functionality**
Overview of pump design, controls, and operating modes.
- **Maintenance Procedures**
Step-by-step training on safe disassembly, diaphragm and check-valve inspection, and proper reassembly.
- **Troubleshooting Techniques**
Identification and correction of common alarm conditions, including pressure overload and air entrainment.
- **System Integration**
Review of chemical feed tubing, manifolds, and how system conditions influence pump performance.

➤ **Upcoming Training**

- **DigSafe Excavation Seminar (3/24/26)**

Staff will participate in a 3.5-hour Dig Safe Excavation Seminar focused on enhancing excavation safety and ensuring compliance with state and federal requirements. The training covered the following key areas:

- **State and federal damage prevention laws and enforcement requirements**
- **The Dig Safe notification process** and contractor responsibilities
- **A locator's perspective** on communication and collaboration to prevent underground utility damage
- **Understanding utility markings** and best practices for pre-marking excavation areas
- **Safe work practices** around gas, electric, telecommunications, and propane facilities
- **Required actions when an underground facility is struck or damaged**
- **Common Ground Alliance (CGA) Best Practices** for excavation and damage prevention
- **OSHA and state labor resources** related to trench safety and jobsite consultations

➤ **Future Training**

- **AC Electric (TBD):**

AC Electric will provide training on the operation and maintenance of vertical turbine pumps. Scheduling is in progress.

Name	Title	Certification/ Licensing
Matthew Waite	Project Manager	Maine Class IV Treatment & Class IV Distribution
Dillon Whitney	Lead Operator	Maine Class II Treatment & Class IV Distribution
Emily Bellegarde	Operator 1	Maine Class II Distribution
Brian Petrie	Operator 1	Maine Class II Treatment
Colby Morrill	Operator Trainee	WIP
Ben Patten	Area Manager	Maine Class IV Treatment & Class IV Distribution

7.2 CORPORATE SUPPORT

- All of the Woodard & Curran staff listed below have been involved in the support and ongoing management of the operations of the Departments drinking water treatment and distribution facilities.

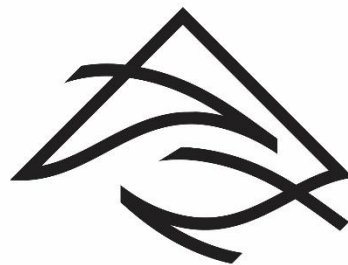
TABLE 7-2: CORPORATE SUPPORT

Name	Title	Certification/ Licensing
Ben Patten	Area Manager	Management Support
Ryan Sullivan	Operations Leader	Management Support
Brian Bzdawka	Operations President	Management Support
Jackie Smith	Senior Project Assistant	Project Support Specialist
Alan Fabiano	O&M Technology Leader	IT Support
Shannon Eyler	VP Health & Safety	Health & Safety
Renae Schield	Health & Safety Manager	Health & Safety
Joseph French	Technician	IT Services
Jesse Reynolds	O&M SCADA Service Manager	SCADA Support
Linsay McAuliffe	Talent Management Partner	Human Resources



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