

THE EATONTOWN SEWERAGE AUTHORITY



MAINTENANCE REPORT

Report for July 2026 Activities

1. GIS Pilot Program (Old Orchard Basin)

- **Mainline Inspection Progress:** Completed CCTV inspections on all mainline sewers in the pilot area, with the exception of two lines located in an easement on the former Old Orchard Golf Course. Most lines consist of older Asbestos Cement Pipe (ACP); despite their age, no major structural issues were identified.
- **Lateral Inspections & GIS Integration:** Currently locating and inspecting all authority-owned laterals in the pilot area. Once complete, a final condition report will be compiled, and all lateral locations will be integrated to create a fully updated, functional GIS dataset for the basin.
- **CCTV Software Trial:** Operating a free trial of new CCTV truck software designed to automatically code pipe defects and accelerate inspection work. A final evaluation and cost-benefit recommendation will be submitted upon completion of the pilot.

2. NJ American Water Main Replacement Project

- **Coordinated System Inspections:** At the Borough's request we completed preemptive CCTV inspections on all mainline sewers prior to upcoming water main replacements and road resurfacing. Inspected segments included Byrnes Ln, Schuber Pl, Cloverdale Ave, Lafetra Ave, Cliffwood Ave, Rose Ct, College Ave, and Locust Ave.
- **Findings & Remediation:**
 - **General Condition:** Mainlines across most segments had no major structural issues and were in good operational condition, with only minor lining wear noted on Byrnes Lane.
 - **Cloverdale Avenue Interventions:** CCTV revealed severe root intrusion originating from lateral connections and extending deep into the mainline. Applied chemical root treatment and utilized the jet truck root-cutter attachment to clear approximately 50 feet of heavy root mass.
 - **Post-Clearing Analysis & Next Steps:** Follow-up CCTV identified heavy root intrusion stemming from specific house laterals including several apparently inactive or unassigned connections along with some isolated

pipe wall penetrations. Next steps involve locating property cleanouts to treat root masses from the lateral side, completing mainline cleaning, and determining final remediation.

3. Trenchless Point Repair Demonstration

- **Source One Environmental Field Trial:** Scheduled a field demonstration with Source One Environmental to evaluate their "Pipe Patch" No-Dig point repair system.
- **Scope & Implementation:** The trial will involve installing a quick-curing resin sleeve over a section of missing pipe on Park Avenue, eliminating the need for open-cut excavation or flow bypass pumping.
- **Evaluation:** If the application is successful, this technology will be evaluated as a cost-effective solution for future localized pipe repair projects across the collection system.

4. Emergency Stormwater Assistance

- **Severe Weather Response:** Following heavy rain events this month, multiple roadway flooding incidents occurred across town due to clogged municipal storm drains.
- **Assistance Rendered:** Deployed authority jet/vacuum truck to assist the Borough. Successfully vacuumed out clogged catch basins and jetted main storm lines on Emory Avenue, Park Avenue, and Tess Court, fully clearing debris and restoring pipe capacity.

5. Plan Reviews & Inspection Approvals

- **54 Mindy Lane (Demolition Disconnect):** Conducted a disconnection inspection at the 4-inch lateral for a home scheduled for demolition. Official approval has been issued to the Building Department.
- **29-31 Tinton Avenue (Duplex Lateral Investigation):** Responded to a property owner inquiry regarding their lateral location so they could perform a disconnect for their upcoming house demolition.
 - **Historical Record Conflict:** Records indicated the lateral crossed an adjacent property, connecting via Manhole 13AA in the nearby mainline easement.
 - **Field Discovery:** CCTV inspection revealed a previously unrecorded manhole installed in the home's backyard. The house's lateral connects directly to this new manhole, which runs through an alley via a 6-inch PVC line and ties into the nearby mainline easement via Manhole 13B.
 - **Corrective Action:** GIS mapping and authority records have been updated to reflect the new manhole and actual lateral alignment.

6. Pump Station Updates & Repairs

Circle Pump Station

- **Bioxide Hydrogen Sulfide Treatment Trial:** Wet well dimensions and estimated flow were submitted to Evoqua for trial sizing. Awaiting delivery of the temporary chemical feed system to begin testing odor/corrosion mitigation.

Emergency Repairs & Station Alarms

- **Country Club Pump Station (Power Outage & Electrical Fault):**
 - **Incident:** Responded to a high-water alarm with both pumps tripped during a power outage while running on generator power.
 - **Diagnostics:** High current draws were observed coming off the magnetic starters, accompanied by erratic digital level transducer readings. Troubleshooting revealed a loose power leg on the generator lead feeding the Automatic Transfer Switch, which caused a single-phase condition, along with a failed level transducer.
 - **Resolution:** Re-secured the generator power lug at the transfer switch and replaced the faulty level transducer. Station operations have been fully restored.
- **Deep Woods Pump Station (Control Relay Failure):**
 - **Incident:** Responded to a high-water alarm. Pumps failed to operate in Auto mode, though manual Hand operation worked.
 - **Resolution:** Diagnosed a blown alternating relay. Replaced the relay, restoring automatic pump control.
- **Laurel Pump Station (Check Valve Failure):**
 - **Incident:** Responded to a high-water alarm. Pump 1 ran continuously without drawing down the wet well, while Pump 2 made mechanical noise upon starting.
 - **Resolution:** Isolated Pump 2 by closing its gate valve. Pump 1 immediately resumed normal drawdown rates, confirming that Pump 2's check valve had failed open and was short-circuiting flow back into the wet well. A replacement check valve has been ordered and will be installed upon arrival.

Routine & Preventive Maintenance Completed

- Completed monthly vehicle inspections on all fleet trucks.
- Advanced the annual grease trap inspection and compliance program (currently in progress).
- Exercised all gate valves and emergency bypass valves across all pump stations to ensure operational readiness.

- Performed routine wet well degreasing and vacuum truck cleaning to remove grease, rags, and floating debris.
- Completed monthly safety inspections and preventative maintenance on standby generators, station utility cranes, and fixed access ladders.
- Conducted twice-weekly routine station inspections, drawdown testing, and maintenance across all pump stations.
- Completed monthly force main corridor walking inspections.
- Sustained ongoing Sanitary Sewer Overflow (SSO) prevention initiatives, including targeted root cutting, hydro-jetting, and vacuum cleaning.
- Continued execution of the ongoing manhole and lateral chemical root treatment program.

Safety & Public Agency Coordination

- Completed 150 New Jersey One Call mark-outs.
- Updated our fleet safety policy

Overtime calls	6
Emergency Mark outs	2
Other	0
Pump stations	4
Blockage calls	0

THE EATONTOWN SEWERAGE AUTHORITY



OPERATIONS AND MAINTENANCE DEPARTMENT
103 Throckmorton AVE, EATONTOWN, NEW JERSEY 07724
PHONE: (732) 803-6682 EMAIL: CMuccie@Eatontownsewer.gov
theesa.org

August 6, 2026

Dennis Galvin, P.E., Executive Director
TWO RIVERS WATER RECLAMATION AUTHORITY
One Highland Avenue
Monmouth Beach, New Jersey 07750
(732) 229-8578

RE: N.J.A.C. 7:10A-1.12 duties, records and reports:

(b) Each licensed operator shall immediately report any system deficiencies, breaks, breakdowns, problems, bypasses, pump failures, occurrences, emergencies, complaints and/or intervening factors within the system that result in or necessitate deviation from the routine O&M procedures and any situations that have the potential to affect public health, safety, welfare, or the environment or have the potential to violate any permits, regulations or laws relating to this chapter. All reports shall be made to the owner or permittee of the system to or from which treatment is provided. All violations shall be reported by the owner or permittee, as appropriate, to the Department.

1. Each licensed operator shall submit to the Department, upon request, a report summarizing any event described in (b) above and the remedial action taken.

2. Each Public Wastewater Collection System operator shall submit to the receiving system a monthly report summarizing all the events described in (b) above and the remedial action taken, by the 10th day of the month following each month for which the data is collected.

Dear Mr. Galvin:

I have no events to report for the month of July, 2026

Respectfully,

Christopher Muccie

Superintendent / Safety Coordinator / C2 Licensed Operator # 1023809