

# THE EATONTOWN SEWERAGE AUTHORITY



## MAINTENANCE REPORT

### Report for April 2026 Activities

#### Monthly Operations Report

**GIS System and CCTV Software Upgrade** We chose the Old Orchard pump station flow basin for our GIS trial pilot with Colliers Engineering. The reason it was chosen was because it is the smallest pump station flow basin we own.

To give some background, we were using paper maps for everything when I first started working here. This made mark outs difficult, and every record was on paper, stacked inside our trailer. It was almost impossible to find anything due to the volume and lack of proper organization, which made doing our jobs much harder than it had to be. There had been a previous push by our old superintendent to upgrade from paper maps and plans to a GIS system. GPS antennas were borrowed (I believe from the county) and about 90 percent of the manholes were mapped out, along with direction of flow and the sewer lines. The old superintendent and assistant treasurer then tried to add the layers and other data but struggled to complete it, as it is a very complex program that usually requires engineers. Instead of hiring a GIS expert to help finish the project, it was abandoned and we stopped paying the subscription cost to host our data in ArcGIS.

We reinstated the ArcGIS subscription to recover our data (which at this point is just a GPS map). Additionally, we are looking into replacing our CCTV software with much better software that will integrate with GIS. This will help us better organize our asset management plans by having all the data on one platform instead of using multiple platforms.

**CCTV Inspection Truck** Our one-year-old EnviroSight CCTV inspection truck continues to experience persistent power and video signal issues. These problems, which began shortly after purchase, include circuit breakers tripping, loss of power to the rear of the truck and rover, and intermittent video signal dropouts. The truck was returned for warranty repairs starting one month after delivery. Most recently, the CCU-1 control unit has been malfunctioning, causing signal loss to the rover. This requires frequent resets and system shutdowns on job sites to restore functionality.

These ongoing reliability problems have significantly delayed our ability to complete comprehensive CCTV inspections of the collection system, which is an essential step before developing a large scale asset management plan. The truck was returned to EnviroSight for the third time today. I have escalated the matter by requesting to speak directly with a manager.

**Deep Woods Pump Station** We delayed submission of the quote last month to incorporate final adjustments and address outstanding questions regarding the pump station rebuild. I spoke with Justin at PSI today, and he expects to provide the revised quote shortly. I will include it with this report once received.

**Two Rivers Flow Meter** The flow meter installed at our last owned manhole (prior to the Two Rivers owned meter chamber) failed. The FloDar sensor stopped working entirely. As the unit is only six months old, it was returned to Hach under warranty for repair/replacement.

**American Water Company Main Replacement Project** American Water is replacing water mains along Byrnes Lane, Schuber Place, Cloverdale Avenue, Lafetra Avenue, Cliffwood Avenue, and Rose Court. We were asked by the town to CCTV inspect our sewer lines in the area in case any of them were in need of repair before the road is paved.

During the inspection, we identified heavy root intrusion in Cloverdale Avenue. We used a root cutter, followed by chemical root treatment and jetting with the combination truck. Due to the CCTV truck being out for repairs, we were unable to complete full post treatment CCTV verification of the Cloverdale section. A more detailed summary of findings across the entire project area will be provided next month.

## **Maintenance, Repairs, and Inspections**

### **Blockage Responses**

- **Memorial Middle School:** Cleared blockage caused by large quantities of paper towels.
- **8 Jeryl:** Removed large amounts of baby wipes.
- **127 Lewis Street:** Addressed blockage resulting from excess FOG (fats, oils, and grease).

### **Pump Station Repairs**

- **Circle Pump Station:** Cleaned debris from the check valve on Pump 1.
- **Old Deal Pump Station:** Pump 1 failed due to debris lodged in the impeller. Pump was pulled and cleared.
- **Country Club Pump Station:** Pump 2 failed due to debris in the impeller. Pump was pulled and cleared.
- **Eaton Crest Pump Station:** During a power outage, the generator failed to start. The transfer switch was stuck; manual transfer was performed.

### **Routine & Preventive Maintenance Completed**

- Completed monthly vehicle inspections on all trucks.
- Annual grease trap inspections (in progress).
- Exercised all gate valves and bypass valves at pump stations.
- Performed wet well cleaning with the vacuum truck (grease, rags removed; degreaser applied as needed).

- Conducted monthly inspections and maintenance on generators, cranes, and fixed ladders.
- Performed twice-weekly routine checks and maintenance at all pump stations.
- Completed monthly force main inspections.
- Continued SSO prevention activities (root cutting, grease removal, vacuuming, and jetting).
- Ongoing manhole and lateral root treatment program.
- Continued progress on the CCTV inspection schedule.

**Coordination with Public Agencies**

- Completed 130 New Jersey One Call mark-outs.
- Completed annual confined space review.
- Held a safety meeting on Lockout/Tagout procedures.

**Monthly Jetting and CCTV inspections records**

Street name	Manholes inspected	Linear footage of line
Pinebrook Road	690,689,688,687	902 FT
Eaton crest Drive	660,659,654	473FT
Byrnes Lane	101,102,104 (re jetted with plug)	603 FT
<b>Total</b>	<b>10</b>	<b>1,978FT</b>

<b>Overtime calls</b>	
	<b>7</b>
Emergency Mark outs	2
Other	1
Pump stations	2
Blockage calls	2



# THE EATONTOWN SEWERAGE AUTHORITY



OPERATIONS AND MAINTENANCE DEPARTMENT  
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May 8, 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:

During this reporting period, a cured-in-place pipelining project was performed at the following locations:

- **Meadowbrook Avenue & Wyckoff Road** – Manholes 304 to 302
- **Broad Street & Lake Avenue** – Manholes 232A to 232
- **Cliffwood Avenue & Lafetra Avenue** – Manholes 95A, 95B, and 95C

The sewer lines were temporarily plugged and bypassed .

Respectfully,

*Christopher Muccie*,

Superintendent / Safety Coordinator / C2 Licensed Operator # 1023809