

# THE EATONTOWN SEWERAGE AUTHORITY



## MAINTENANCE REPORT

### Report for May 2026 Activities

#### Hydrogen Sulfide testing

##### Current Status & Testing

To evaluate the effectiveness of the Quarym biological treatment we have been using, we deployed Odalog atmospheric gas meters at both the Wampum and Industrial pump stations.

##### Next Steps & Comparison Plan

- **Chemical Trial:** We are currently in the process of ordering Bioxide and an aeration unit at circle pump station to conduct a chemical comparison test to evaluate its effectiveness vs Quaryms live bacteria.
- **Aeration vs. Bacteria Test:** At the Wampum station, after getting gas readings while using the live bacteria plus aeration, we will stop the live bacteria feed while keeping the mechanical air pumps running. We will then test the hydrogen sulfide levels again after about a month of stopping the live bacteria. We will also keep aeration plus the live bacteria treatments at industrial pump station.

This will allow us to directly evaluate the performance and cost-effectiveness of three distinct strategies: Just Aeration vs. Bioxide + Aeration vs. Live Bacteria + Aeration. Our final recommendation will be based on which method successfully lowers hydrogen sulfide the best.

#### CCTV Inspection Truck Update

Our main CCTV inspection truck remains out of service and at the repair shop due to a hardware failure on the CCU 1 HD extension unit. I am waiting for a return call from senior management to confirm complete warranty coverage for this repair.

## **8 Main Street (Broadway Italian Ices & Ice Cream)**

An inspection was conducted for the grease trap installation at the new Italian ice shop. The grease trap and installation method was found to be fully compliant with our rules and regulations.

### **Flow Meter Tracking Update**

The Two Rivers flow meter has been repaired and calibrated and is back online.

We also reviewed the flow data from the Wampum station flow basin for the last two months. The basin has handled recent heavy storm peaks well, demonstrating good capacity with wet weather Inflow and Infiltration rates remaining well within the EPA's regulatory limits.

Additionally, we installed a third flow meter at the manhole right before the Old Orchard pump station. This will allow us to evaluate the flow rates across the Old Orchard flow basin and gather critical baseline data for the upcoming Old Orchard project.

## **35 Watson**

Responded to and cleared a lateral blockage. A follow up inspection with a push camera revealed a root intrusion directly at the wye connecting the lateral to the main line. The lateral was root cut and treated with a chemical root inhibitor. Mainline CCTV inspection is required before determining a permanent structural repair strategy, as the root intrusion likely extends into the main line. This repair job is pending the return of the CCTV truck.

## **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 212 New Jersey One Call mark-outs.
- Completed the mandated annual review of all Lockout/Tagout (LOTO) energy isolation procedures and 2025 permits
- personnel attended formal Confined Space Entry training classes.
- Conducted mandatory field-proficiency testing for confined space entry, harness, tripod, and atmospheric gas meter calibration/operation.

<b>Overtime calls</b>	<b>6</b>
Emergency Mark outs	0
Other	1
Pump stations	3
Blockage calls	2