

# THE EATONTOWN SEWERAGE AUTHORITY



## MAINTENANCE REPORT

### Report for November 2025 Activities

## Project Updates:

### Laurel Pump Station Force Main Repair

During a routine inspection of Laurel Pump Stations force main, evidence of a leak was observed, specifically a visible puddle on the ground in the vicinity of the force main. The leak was confirmed by turning on the pumps in manual mode, which resulted in wastewater bubbling to the surface.

Our emergency contractor was immediately called to repair the pressure force main. To keep the pump station operational during the repair, we operated our Jet/Vacuum truck to manage and control the wet well level while the pumps were offline for the duration of the repair.

Excavation revealed a break of the force main caused by the nearby water utility line. The repair was significantly impeded because American water failed to locate and mark its line following our mark out request. This difficulty was made worse by the fact that no recent record of utility mark-out requests exists for prior work conducted by American water at this location.

### Deep Woods Pump Station Operational Issues

The Deep Woods Pump Station has experienced significant operational challenges throughout the month, leading to multiple high-water alarms.

Key issues identified and actions taken:

- **Pump 2 Failure:** The starter for Pump 2 failed (burned out), the pump alternator mechanism became locked on pump 2 only, and two control floats burned out. A replacement starter for Pump 2 and Pump 1 is currently on order.
- **Pump 1 Issues:** Pump 1 exhibited excessive vibrations and failed to pump down manually in hand mode; the pump was drawing about twice the number of amps it should be. The higher amps were not tripping the overload.
- **Emergency Measures:** The guide rail bracket and rails are severely corroded, complicating the retrieval of Pump 1 from the wet well. This necessitated a line plug and a confined space entry procedure to inspect and restore Pump 1 to service.

- Float and Conduit Repair: the replacement of the floats became difficult as the electrical conduit had severely degraded. The new floats could not be pulled through, so we spliced the new floats into the old ones before they went into the Conduit. The floats have been replaced, Pump 1 has been returned to operational status, and the pump alternator seems to be alternating now. The station is up and running on one pump now.
- Temporary Bypassing: A temporary bypass pump was connected to ensure the station remained operational while repairs were underway.

This 34-year-old pump station is original and has never been updated. Its existing control panel is aging and only provides basic functionality for high-water and power-outage alarms. In the past, to save money older station parts were reused and it's coming back to bite us now.

Following a discussion with Rob, we both agreed that the past practices are not up to either one of our standards, and a station upgrade is necessary. Rob and I attended a meeting with Justin from Pumping Services to obtain a comprehensive quotation for the full pump station modernization.

## **Sun Eagles Lateral Connection Inspection**

A lateral connection inspection was performed at the Sun Eagles development, specifically for Building 500 (addresses 116, 118, 120, and 122).

The inspected laterals were found to be in compliance with our rules and regulations. The approval has been prepared and submitted to the Building Department.

## **INGU Pipers Force Main Assessment**

We have initiated the process to rent a force main scan ball from INGU Pipers for the Circle Pump Station force main. We are currently awaiting delivery of the device.

Utilizing specialized tools like the INGU Pipers system will provide a more in-depth assessment of our aging pressure mains. The primary goal is to proactively identify potential defects, such as air pockets or minor leaks. This will allow us to find issues earlier and make less expensive repairs before they escalate into a more expensive emergency failure.

## Maintenance, Repairs, and Inspections

- **Lewis Pump Station:** Pump #1 became clogged with rags. The pump was pulled, and rags were removed from the impeller.
- **Industrial Pump Station:** Pump 1 fail alarm came in; the pump's impeller became bound up with rags. The pump was pulled and cleared.
- **Storm Drain Cleaning:** Vacuumed and jetted storm drains in coordination with Public Works
- **Wet Well Cleaning:** All wet wells were cleaned using the vacuum truck to remove grease and rags. Degreaser was applied to select wells as needed.
- **Monthly Inspections and Maintenance:** Conducted inspections and maintenance of pump station generators, cranes, and fixed ladders.
- **Routine Pump Station Checks:** Performed twice-weekly checks and routine maintenance at all pump stations.
- **Grease Trap Inspections:** Completed annual grease trap inspections.
- **Force Main Inspections:** Completed monthly inspections of all force mains.
- **Sanitary Sewer Overflow (SSO) Prevention:** Executed monthly SSO prevention tasks, including root cutting, grease removal, and vacuuming.

### Monthly Jetting and CCTV inspections records

Street name	Manhole inspections	Linear footage of line
College Ave	87,86A,86,85A,85	650 FT
Rose Court	87E ,87D,87C,87B ,87A,87	1,354 FT
Route 35	66,66A 67	480 FT
Tinton Ave	16,15B,15A,15,14A,14,13A	1,005 FT
Total	21	3,489 FT

### Coordination with Public Agencies

- Completed 100 New Jersey One Call mark-outs.

Overtime calls	8
Mark outs	2
Force main repair	1
Pump stations	4
Blockage calls	1