

TO: Theodore F. Lewis, Jr., Executive Director
FROM: Richard W. Johnson, Jr., Superintendent, Safety Coordinator, N.J.D.E.P. C-3 Licensed Operator
RE: ESA Monthly Maintenance Department Report for April 2016
CC: ESA Board of Directors, John Mc Kelvey, P.E., T&M Associates

1. Daily poll status sessions of the Verbatim SCADA system at the Laurel Gardens, Lewis Street, Industrial Way, Crystal Inn, Circle, Country Club, Eaton Crest and Maxwell Road pumping stations.
2. On Mondays and Thursdays, perform pumping station operations check & wetwell basket cleaning.
3. Weekly recordings of the sanitary sewer flow meter readings at the Industrial Way & Lewis Street pumping stations. Record the ESA rain gauge for the study program.
4. Monthly recordings for the on-site diesel & natural gas generator program per the N.J.D.E.P.
5. Monthly recordings of the non-human moving wetwell crane inspections per the P.E.O.S.H.A.
6. Conducted In-House monthly fire extinguisher inspections.
7. Total and chart the sanitary sewer & rainfall study program for the month of April.
8. Borough of Eatontown GIS Mapping & ESA As-built Plans; worked on marking up the Borough of Eatontown GIS map with the ESA As-built PS's, FM's, manholes & mainlines.
9. Wampum Park Pumping Station; Herbie Volner reported that the display function for the MagFlo meter is no longer working. A new meter will cost \$9,040, the flow meter at the Eaton Crest pump station failed last month, so ESA will analyze the need vs. cost.
10. Request for Availability of Sewer Service, Block 601, Lot 1 & Block 701, Lot 1, Pinebrook Road, Eatontown from Garth De Blasio, American Properties Realty, Inc. 517 U.S. Route 1 South.
11. ESA Godwin Bypass Pump; installed a NAPA battery charger/maintainer.
12. 22 Taylor Place; used the Kubota Backhoe to dig-out and uncover the cleanout in the stone driveway. Installed a cast iron cleanout box for ESA access.
13. Pumping Stations; Charlie Hopkins of T&M Associates and Richard Johnson met at all the stations to document and evaluate and document the current electric supply and electrical protection devices installed in the enclosures and control cabinets. (open or close delta) (TVSS and surge devices).
14. Wampum Pumping Station; replaced the vent motor with a new Dayton 75 CFM axial fan for the pump panel enclosure to control temperature overheating.
15. Installed Grainger Frigidaire dehumidifiers in the drywell cans at the Industrial Way, Laurel Gardens, Circle and Crystal Inn pumping stations.
16. 2016 ESA Sanitary Sewer Overflow Prevention Program; checks of problem areas with grease and pipe sag stoppage/blockage history.
17. Wampum Park Sanitary Sewer Easement; used the Vac-Con root cutter to remove and vacuum the grease build-up from manhole #23-A to #12 - 181' ft. of 8" pipe liner.

- 18.3 Fieldstone Court; reviewed the photo's and details submitted by Diane Wellington for the sewer backup on 2-25-2016.
19. State Highway Route #35 South:
Jet & Vacuum the main line from manhole #329 to #330 – 190.5 ft. of 8" ACP.
Jet & Vacuum the main line from manhole #330 to #63 – 265 ft. of 8" ACP.
20. Vac-Con Truck #34; installed a new ¼" nipple on the face plate of the hydraulic water pump which started leaking.
21. Eaton Crest Apartment Easement / Vac-Con Truck #34 / Grease removal with Root Cutter:
- Manhole #651 to #652 – 178' of 10" ACP.
 - Manhole #652 to #653 – 170' of 10" ACP.
 - Manhole #653 to #654 – 216' of 10" ACP.
 - Manhole #654 to #657 – 188' of 8" ACP.
22. Pinebrook Road / Vac-Con Truck #34 / Grease removal with Root Cutter:
- Manhole #687 to #688 – 296' of 8" ACP.
 - Manhole #688 to #689 – 304' of 8" ACP.
 - Manhole #689 to #690 – 325' of 8" ACP.
23. Victoria Drive / Vac-Con Truck #34 / Grease removal with Root Cutter:
- Manhole #690 to #691 – 315' of 8" ACP.
 - Manhole #691 to #692 – 385' of 8" ACP.
 - Manhole #692 to #693 – 250' of 8" ACP.
 - Manhole #693 to #694 – 300' of 8" ACP.
24. Maintenance Garage:
Blew-off the winter sand & salt from the driveway and parking lot with the Jet Sweep Blower.
25. Started work on the 2016 ESA service lateral Root-X herbicide treatment program.
26. Maintenance Garage; Nolze Garage Door installed two new lift assist torsion springs on the #3 bay door. (TV Van #33)
27. Maintenance Garage; Anthony F. Fragale, Risk Control Consultant for CNA conducted the 2016 natural gas boiler, hot water heater and air compressor annual inspection for certification.
28. Monmouth County Reclamation Center, Tinton Falls, New Jersey; disposed of 1.67 tons of grit, grease and basket screenings.
29. Old Deal Road, Deepwood and Circle Pumping Stations; vacuumed the wetwells and cleaned the pump control floats.
30. Old Deal Road Pumping Station; Asplundh Expert Tree Service started the work of trimming the trees from the utility pole at Whalepond Road to the utility pole at the pump station. This is for JCP&L to install the third primary line to supply a three phase closed delta system configuration for station operations.

31. Lake Drive / Vac-Con Truck #34 – Jet & Vacuum:

- Manhole #20 to #19 - 116' of 8" ACP Lined
- Manhole #19 to #17 - 123' of 8" ACP Lined
- Manhole #17 to #18 - 115' of 8" ACP Lined
- Manhole #181 to #721 - 32' of 8" VCP

32. (2) - Complaint Memorandums:

2016 ESA Report #40 on 4/6/16 @ 1:35 pm – 22 Taylor Place
2016 ESA Report #41 on 4/9/16 @ 11:45 am – 150 Malibu Drive

33. Fuel:

Truck #30 – (118) Gals of gasoline

Truck #31 – (86) Gals of gasoline

TV Van #32 – (25) Gals of diesel

Trailer Storage Tank – (0) Gals of diesel / Kubota Backhoe #33 / P.S. Diesel Generators

Vac-Con Truck #34 – (37) Gals of diesel

34. (90) - New Jersey One Call Markouts.