

E.S.A Maintenance Report for January 2018

TO: ESA Board of Directors / Theodore F. Lewis, Jr., *Executive Director*
FROM: Richard W. Johnson, Jr., *Superintendent, Safety Coord, N.J.D.E.P. C-3 Licensed Operator*
DATE: February 8, 2018

A. Current Month Activities:

- A1 - Pumping Station Prevent Maintenance Program; exercised and cycled all of the gate valves.
- A2 - Maintenance Garage & Pumping Stations; plowed the parking lot and driveways for emergency access. Spread salted sand to help prevent fall hazards.
- A3 - 104 Maple Avenue; installed a repair cleanout top for the cleanout hit by a snow blower or plow in the sidewalk at the front of the driveway entrance.
- A4 - 354 Broad Street; televised the service lateral from the cleanout in the sidewalk to the main line in the street. The lateral grade is flat, but found no deficiencies in the pipe condition or connections.
- A5 - 2 Heritage Road; televised the service lateral from the cleanout in the curb area to the main line in the street. The lateral grade is low, but found no deficiencies in the pipe condition or connections.
- A6 - Generator & Crane Inspection Program; completed the checklists for the pumping stations.
- A7 - State Highway Route #35 South / Vac-Con Truck #34; jet from manhole #330 to manhole #329 - 190.5 ft. of 8" ACP. Grease stoppage in the main line.
- A8 - Vac-Con Truck #34; installed a new NAPA 1.5 amp Schumacher battery maintainer for the engine batteries.
- A9 - Vac-Con Truck #34; installed a new hydraulic boom lift cylinder, fire hose, low pressure hose assembly, 1" high pressure valve and level wind guide for the hose reel.
- A10 - Circle Pumping Station; installed a new NAPA 1.5 amp Schumacher battery maintainer for the generator engine battery.
- A11 - Industrial Way, Laurel Gardens, Deepwood and the Country Club pumping stations; vacuumed the wetwells, cleaned the pump control floats and transducers.
- A12 - 15 Willow Avenue; televised the sanitary service lateral from the cleanout at the curb to ESA manhole #58. Found grease accumulation. Notified the resident to please cool down the cooking grease and throw it in the garbage.
- A13 - 2 White Street; televised the sanitary service lateral from the cleanout at the curb to the main line in the street. Found root intrusions, treated with Root-X herbicide and put this customer on the ESA root treatment program.
- A14 - Monmouth County Reclamation Center, 6000 Asbury Avenue, Tinton Falls; disposed of 1.48 tons of ID: #13X - grit, grease and screenings.

B. Ongoing Activities:

- B1 - Brookwood Pumping Station; T.R. Weniger installed a new Onan natural gas 50 Kw generator and worked with Cummins Power Systems on the load testing, connections and settings.

C: Coordination with the Public & other Agencies:

- C1 - New Jersey One Call System markouts (113)
- C2 - Complaint Memorandums:
 - a. 2018 ESA Report #01 on 1/2 @ 8:19 am – White Street (ESA Manhole #159)
 - b. 2018 ESA Report #02 on 1/3 @ 9:38 am – 2 Kelly's Lane
 - c. 2018 ESA Report #03 on 1/3 @ 12:15 pm – 2 Heritage Drive
 - d. 2018 ESA Report #04 on 1/4 @ 3:48 pm – 354 Broad Street (Women's Center for Health)
 - e. 2018 ESA Report #05 on 1/5 @ 11:30 am – 354 Broad Street (Women's Center for Health)
 - f. 2018 ESA Report #06 on 1/12 @ 6:44 am – Brookwood Pumping
 - g. 2018 ESA Report #07 on 1/12 @ 12:25 pm – 26 State Highway Route #35 (Bangkok House)
 - h. 2018 ESA Report #08 on 1/13 @ 12:57 pm – 28 Reynolds Drive
 - i. 2018 ESA Report #09 on 1/16 @ 3:35 pm – 15 Willow Avenue
 - j. 2018 ESA Report #10 on 1/22 @ 9:24 am – 2 White Street
 - k. 2018 ESA Report #11 on 1/22 @ 8:05 pm – Circle Pumping Station
 - l. 2018 ESA Report #12 on 1/24 @ 3:40 pm – 12 Princess Lane
 - m. 2018 ESA Report #13 on 1/27 @ 1:05 pm – 378-398 Grant Avenue
- C3 - ESA Sanitary Sewer Easement at the Monmouth Mall; inspection of the manholes for the flow levels. Sent pictures to Natalie Tedesco, PE of T&M Associates.
- C4 - 26 State Highway Route #35 South, Block 903, Lot 5 (Bangkok House Restaurant); conducted a grease interceptor inspection and report on the 25 gal. manual grease trap.
- C5 - Maintenance Garage; Becker's Tree Service, Inc. completed the tree trimming project for the ESA driveway, lot perimeter and Brook.
- C6 - Pro Cam Lateral Inspection Camera; delivered to Oswald Enterprises Inc. for evaluation of the camera head malfunction.

D: Scheduled Monthly & Quarterly Activities:

- D1 - Daily polling sessions of the Verbatim SCADA system at the Circle, County Club, Crystal Inn, Eaton Crest, Industrial Way, Laurel Gardens, Lewis Street and Maxwell Road pumping stations.
- D2 - On Mondays & Thursdays, we performed pumping station checks & wetwell baskets cleaning.
- D3 - 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.
- D4 - On 1/10/2018 conducted the ESA pumping station on-site diesel & natural gas generator program.
- D5 - On 1/10/2018 conducted the ESA pumping station non-human moving wetwell crane inspections.
- D6 - On 1/2/18; conducted In-House monthly fire extinguisher inspections at the Maintenance Garage.

- D7 - On 2/2/18; total and chart the ESA sanitary sewer & rainfall study program for the Industrial Way (5.77 MG) and Lewis Street (1.343 MG) pumping stations. January Rainfall (2.02")
- D8 - Maintenance Garage; Encon emergency eye wash station, monthly test, flush & refill.
- D9 - Fuel:
 - a. Truck #30 – (115) gallons of gasoline
 - b. Truck #31 – (73) gallons of gasoline
 - c. TV Van #32 – (0) gallons of diesel
 - d. Diesel Trailer Tank – (0) (*Kubota backhoe #33*) (*Pumping Station diesel generators*)
 - e. Vac-Con Truck #34 – (24) gallons of diesel

Cc: Christine A. Ballard, Vice President, P.E., T&M Associates