

E.S.A Maintenance Report

TO: ESA Board of Directors
Robert Vilee., *Executive Director*

FROM: Chris Muccie , *Superintendent, Safety Coordinator,*
N.J.D.E.P. C-2 Licensed Operator

DATE: December 5, 2024

Report for November 2024 Activities

Major Items:

- Old Orchard ,Circle , and Maxwell pump stations have Inflow and infiltration coming from the incoming Mainlines. All three pump stations go into high water alarms during heavy rain.
- The disconnects for Monmouth mall bathrooms have been approved .
- 10 George town Road disconnect has been approved .
- Met with CSL to install flow meters on Clifford Road manhole # 95 B and Wyckoff Road manhole # 303 . the Flow studies are for Surrey Equities for the residential housing on old Orchard golf course .
- A Will service Request was granted for 126 NJ 35 for a new bank . during the on site visit It was discovered that manhole number 114 has been buried under pavement . Once we get the new tv truck we will locate and jack hammer out the pavement and install a new frame and cover if needed .
- New Grease interceptor installation for Big City sandwich at 115 NJ 35 has been approved .
- The suction line for Pump 2 at country club was clogged and full of rags . The line was jetted out and cleared , and Pump 2 is now back up and running . The station does not have a bar screen basket or crane which is becoming a issue and causing rags to get pulled into the suction lines and pumps . The station also is having frequent pump clogs . I am waiting on quotes for both a new crane and bar basket .

- Pump 2 at industrial is now working after we replaced the check valve . The elevator at industrial is also fixed after we discovered the contacts were stuck closed .
- Wampum, Deep Woods, and Eaton crest pump stations have no low level float built into the station. They also do not have any transducers built in them for low level alarm monitoring. They only have three reporting alarms generator fail, high level alarm, and generator running alarm.
- Several pump stations have extreme wear and are outdated as well. Several gate valve handles have broken off and need to be replaced . Several pump station cranes are also in very poor condition .
- Our GIS mapping system is not complete and needs to be finished. Due to the complexity of the layering it might be best to contract out our current GIS system to complete it.
- Only 2 generators out of 13 have an automatic start feature. The rest of the generators also need to have this featured installed.
- Wampum pump station has no pump disconnect switches. The pumps wires are tied directly to the starters.
- I would like to be able to get a couple flow meters to put around the upstream manholes going into several stations to find out the amount of infiltration in the lines.
- The new push camera and pole camera from Enviro sight have been delivered . Rob From Enviro sight came down to our shop and Trained us on the new devices .
- I have created a couple of new written safety programs along with updating past written safety programs .these programs include fleet safety , silica exposure , jetting/ vacuum safety , ladder safety, and road flagger safety .
- We are making progress on annual grease /oil/sand interceptor inspections . Out of the 105 of them we have completed 85 of them .
- Sun eagles building 800 lateral connections have been approved .

Activities

- Limble report available upon request

Items Needed:

- New cellular Scada system for pump stations to allow for online access to pump station issues.
- A new lateral power rodder .
- New updated maps
- 4 new garage door safety sensors.
- Flow meters.
- Force main scan ball
- Another work truck. I would like to park the dump truck and only use it for hauling pump station debris and plowing snow due to the age and condition of the truck .

Coordination with the Public & other Agencies:

- New Jersey One Call System Mark outs (99)
- *Complaint Memorandum: (Overtime reports)(7)*
- *Report # 104 emergency mark out 25 Kremer Ave repair gas leak*

- *Report # 105 Country club pump station high water alarm.*
- *Report # 106 Tinton falls needed assistance with our jetvac truck for a mainline blockage*
- *Report # 107 Emergency mark out Repair replace Electric Facility*
- *Report # 108 Emergency Mark out 1 Barnes dale way repair/ replace sewer facility*
- *report # 109 Laurel pump station high water alarm*

- *Report # 110 Emergency Mark out 12 fairway Ave repair gas leak*

Fuel usage sheet

Included with report.