

E.S.A Maintenance Report

TO: ESA Board of Directors
Theodore F. Lewis, Jr., *Executive Director*

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

DATE: July 3, 2024

Report for June 2024 Activities

A. Major Items:

- Land Rover / Audi dealership – still has not moved storage containers blocking our easement . I talked to the manager again , they keep promising to move them but it's been months .
- Old Orchard Rain infiltration issue – We are awaiting word from the Contractor.
- Maxwell Pump Station infiltration issue still ongoing . We had to prioritize circle pump station for the lining project and cannot add maxwell due to budget constraints
- Wampum pump station has no low level alarm and has only three reporting alarms, there needs to be more.
- Awaiting the mission control demo alarm box . mission control has all the features of the Raco system but more input channel alarms . The Demo Raco alarm box is being sent back as its unable to fit our needs .
- We are continuing to add automatic preventative maintenance tasks to the Limble system. These tasks will trigger automatically and will notify the person or persons who are responsible for completing them. This helps us keep track of routine inspections.
- We are still having power surges at a handful of pump stations , I reached out to JCPL they are looking into it .
- Pump 2 at circle pump station continues to be a problem . The pump might have to be rebuild
- The 6 Violante project is now complete . Fletcher and creamer returned to finish the curb line and put down grass seed .
- The lateral at 61 Ruth needs to be replaced . The home owner called for slow draining partial blockage on her lateral . upon trying to jet it we were unable to . After tv inspection it looks like a partial pipe break on our side of the clean out . Awaiting fletcher and creamer to dig it up and replace it .
- The rails at Lewis pump station are rusted and coming lose . We had an issue pulling up pump 2 causing the 90 elbow to crack . municipal maintenance gave an estimate to completely replace both rails , base 90 elbows and 6 inch discharge pipes .

- We got permission from DPW to tow our camera truck to them for repair . I am awaiting word from Keith when I can drop it off.
- Several pump stations have extreme wear and tear as outlined in t and m's asset management report . it's becoming hazardous to pull submersible pumps at some pump stations . going forward we should require stainless steel on any guide rail system for submersible pumps .
- Serval winch cables are starting to go at our pump stations . we are starting the process of replacing them with stainless steel cable .
- The alarm system at our garage is starting to go . We had 3 false alarms in the last couple of months due to worn wires or sensors . I called Atlantic to get a quote on an upgrade, I will include in the email sent for this report .
- We are having on going issues with the building department issuing Certification of occupancy on projects before I have inspected the sewer connection, or grease interceptor.
- Peter and I met with our grass cutting contractor to discuss adding a couple additional spots to cut . This would free up more time for us to focus on sewer related problems .We are awaiting the quote and will update as soon as possible.

B. Activities

- See the attached Limble report.

C. Items Needed:

- New Camera Truck – current vehicle is out of date and a safety hazard.
- New snake for clearing cleanouts to main.
- New cellular Scada system for pump stations to allow for online access to pump station issues.
- GIS access and mapping still needs to be completed (about 90% completed).
- Vibration test meter and Megger meter for pumps. This will allow for routine testing of pumps to determine alignment, bearing and housing issues along with electrical wire insulation deterioration. .

D. Coordination with the Public & other Agencies:

- New Jersey One Call System Mark outs (76)– *see attached*
- *Complaint Memorandum: (5)*
- *#77 218 Cortland – house stoppage (ours)*
- *#78 Industrial pump station channel 6 volt phase fail*

- #79 Lewis pump station channel 4 pump 2 start fail
- # 80 78 NJ 35 sewer stoppage (ours)
- #81 61 Ruth house stoppage (ours)

E. Scheduled weekly, monthly and annual activities:

- See the attached Limble report.

Fuel usage:

See attached report .