

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: August 5, 2024

Report for July 2024 Activities

A. Major Items:

- Old Orchard Rain infiltration issue – We are still awaiting word from the Contractor.
- The Phase one lining project is almost complete . We are waiting on national water main to finish the final lining spot at the corner of Wyckoff and South Street.
- Wampum pump station has no low level alarm and has only three reporting alarms, there needs to be more.
- The mission control demo unit has arrived . We also will be sending back the RACO alarm agent demo unit. I have requested quotes from mission control in case we like the new system.
- 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.
- Pump 2 at circle pump station continues to be a problem as its only pumping at a rate of 125 gallons a minute .Pump 2 may have to be rebuilt in the future .
- The lateral at 61 Ruth has been replaced . Tons of wipes were discovered in the lateral when it was removed .
- We are still waiting for the parts to be delivered to repair the guide rails , brackets, and base 90s at Lewis pump station .
- Our camera truck was towed to public works for repair . The tv is now back at our shop, however the rover camera continues to freeze on us during inspections .
- Stephen was let go due to lack of performance, and removing ESA property without approval .He has so far only returned a 5 gallon gas can he took . Inventory of all the items at the garage, and shop has been performed .
- We are missing the following items from our shop-- procam tv lateral box , DeWalt impact gun, and a 12 volt battery jump box . A police report has been filed with all items listed above .I am requesting a camera system be placed inside and outside all of the garages , the ware house,

and anywhere something of value is being kept . A full 10 camera system is in the range of 650 dollars based on quotes .

- Atlantic security has installed a new burglar alarm and our shop and garage .
- Ted , Ken, Peter, Dan and I met with enviro sight to get a Demo of a new camera truck. with the condition of the old truck ,and all the new development going on it will be necessary to find a replacement . The lateral launch add on system envirosight offers can solve our missing wye card problem . the system can also help us locate, and add every lateral in town to our GIS mapping system.
- 11 new winch cables have been bought to replace the failing ones at our pump stations. We are waiting on delivery of the new items.
- The building department has added an executive director and superintendent sign off to their Certification of occupancy approvals . This will prevent them from issuing CO's without our approval first .
- We have begun interviewing for the open position .

B. Activities

- See the attached Limble report.

C. Items Needed:

- New Camera Truck – current vehicle is out of date and a safety hazard.
- 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 (95)– *see attached*
- *Complaint Memorandum: (6)*
- *Old Orchard pump station- channel 6 and channel 1 high level/ backup*
- *Mark out - 9 State route 36 / broken pole*
- *Circle pump station- Channel 1 / high level*
- *Mark out – 25 state Route 35 / fire*

- 28 Pearce -House stoppage (ours)
- 364 MeadowBrook Ave – House stoppage (not ours)

E. Scheduled weekly, monthly and annual activities:

- See the attached Limble report.

Fuel usage:

See attached report .