

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: June 6, 2024

Report for May 2024 Activities

A. Major Items:

- Grease Traps Inspections – continued working on grease trap inspections but I am still limited due to me having to fill in on regular worker duties until Stephen comes up speed.
- Land Rover / Audi dealership - after making progresses moving other obstacles land rover still has not moved the two storage containers blocking our sewer main line easement .
- Circle Pump station bad check valves - Municipal Maintenance replaced the check valves.
- Old Orchard Rain-infiltration issue – We are awaiting word from the Contractor.
- Maxwell Pump Station was scheduled to be added to the phase 2 lining project to prevent high water alarms on heavy rain days. This station is being removed from the project due to budget constraints.
- Wampum pump station has no low level alarm and has only three reporting alarms, there needs to be more.
- Pump Station Back Up Generators need to have an automatic startup feature to be able to run weekly . we currently have only run them once a month manually. The two new generators have been modified to start automatically. Those are Old Deal and Deep Woods.
- Shop / garage has a giant crack in the wall still working on a solution>. No resolution as of yet.
- Contacted Enviro Site for a demo of a new camera truck. Awaiting a date.
- Met with representatives from Mission Control 123 for a demo of new alarm boxes to replace the Raco boxes. A quote is included with this report.
- 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 having on going power surge issues at several pump stations . The incoming power into the stations at times comes in very high tripping our surge protectors and sometimes burning out relays . this is causing over time spikes and we need to figure out a solution . jcpl has been

made aware of this issue , which has been and on going issue for a while . It has recently gotten worse.

- Pump 2 at circle pump station continues to be a problem . We are using the free trial on the new raco alarm agent to monitor the gallons per minute on each pump . Pump 1 is running at 250 gallons per minute , while pump 2 is running at 127 gallons per minute.
- Old deal and deep woods generator installation is completed .
- 6 violante project is still incomplete, and the home owner is running out of patience . Fletcher and creamer still has not come back to finish the job.

B. Activities

- See the attached Limble report.
- Trained new employee Stephen on all Authority safety policies .
- Stephen attend 10 safety classes from MEL.

C. Items Needed:

- New Camera Truck – current vehicle is out of date and a safety hazard.
- New snake for clearing cleanouts to main. Existing snake is cumbersome and inefficient.
- 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 (66)– *see attached*
- *Complaint Memorandum: (10)*
- *#67 circle pump station scada alarm trouble shoot*
- *#68 circle pump station pump 1 fail*
- *#69 circle pump station channel 2 low level*
- *# 70 old orchard pump station channel 4 phase fail*
- *#71 country club pump station channel 4 phase fail*
- *# 72 channel 1 high water*
- *#73 old orchard pump station channel 1 high water*
- *# 74 circle pump station pump 2 fail*
- *# 75 brookwood pump station high water*

- # 76 emergency mark out 9-15 holly drive

E. Scheduled weekly, monthly and annual activities:

- See the attached Limble report.
- Completed all inspections of fire extinguishers and emergency eye wash station .
- Completed jack stand inspections
- Completed harness and wench monthly inspections
- Jetted monthly trouble spot areas. **Not finished due to staff limitations**
- Varying frequency - Lateral, manhole, mainline (SSO program) root treatments. Lots are at locations where lateral and cleanout are not visible and requires locating. **Not finished due to staff and time limitations**
- Once every five years - Manhole inspections to determine deterioration. **Not performed due to staff limitations**

Fuel usage:

See attached report .

Eatontown Sewerage Authority

(ESA)



Maintenance Department
CMuccie@theesa.org

June 6, 2024

Michael A. Gianforte, P.E., Executive Director
TWO RIVERS WATER RECLAMATION AUTHORITY
One Highland Avenue
Monmouth Beach, New Jersey 07750
(732) 229-8578

RE: N.J.A.C. 7:10A-1.12 duties, records and reports:

(b) Each licensed operator shall immediately report any system deficiencies, breaks, breakdowns, problems, bypasses, pump failures, occurrences, emergencies, complaints and/or intervening factors within the system that result in or necessitate deviation from the routine O&M procedures and any situations that have the potential to affect public health, safety, welfare, or the environment or have the potential to violate any permits, regulations or laws relating to this chapter. All reports shall be made to the owner or permittee of the system to or from which treatment is provided. All violations shall be reported by the owner or permittee, as appropriate, to the Department.

1. Each licensed operator shall submit to the Department, upon request, a report summarizing any event described in (b) above and the remedial action taken.
2. Each Public Wastewater Collection System operator shall submit to the receiving system a monthly report summarizing all events described in (b) above and the remedial action taken, by the 10th day of the month following each month for which the data is collected.

Dear Mr. Gianforte:

I have no events to report for the month of May, 2024.

Respectfully,

Christopher Muccie,

Superintendent / Safety Coordinator / C2 Licensed Operator # 1023809
HLV/letters/trwra/mr/month19

Sharon Ham, Regulatory Compliance Manager, Via: sham@trwra.org
Theodore F. Lewis Jr., Executive Director, Via: info@theesa.org
Stephen Schreiber, ssschreiber@tandmassociates.com
Michael A. Gianforte P.E. Executive Director
Brian Rischman – brischman@trwra.org



Conserve your water resources!

Eatontown Sewerage Authority
 Monthly Gasoline & Diesel Consumption
 Maintenance Department
 may 2024

Date	Unit	Pump Start	Pump Finish	Gas	Diesel	Initials
5-1	31			26.5		DE
5-3	31			26.1		DE
5-6	31			23.1		DE
5-8	31			22.8		DE
5-10	31			23.4		DE
5-14	31			27		DE
5-16	31			17.6		DE
5-20	30			53.2		CM
5-20	31			28.3		DE
		gas can		7.5		DE
5-23	31			25.7		DE
5-24	31			12.1		DE
5-29	31			21.4		DE

* Please fill the Vac-Con Truck #34 when the fuel level is below a 1/4 tank!!!

Task Name	Asset Name	Asset Parents
Work Request - Zoom meeting - #88	Garage	
monthly generator maintenance/ inspections - #85		
tv inspect 21 Emma place lateral line. - #124		
cleanout root treatment - #127		
trouble shoot lewis street generator - #128		
markouts - #120		
emergency mark out 46 lake ave - #122		
set up alarm channels on new raco box - #123		
schedule dump truck body replacement - #38		
pump station maintenance - #132		
mark outs - #133		
PUMP STATION INSPECTION/ MAINTENANCE - #130	Old Orchard Pumping Station #1	Pump Stations
meet charlie at old deal to install new generator - #116		
pull pump one at laurel gardens - #139		
jet truck maintenance - #141		
Raco alarm box meeting 11:00 AM 5/3/2024 - #142		
PUMP STATION INSPECTION/ MAINTENANCE - #131	Brookwood Pump Station #11	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #144	Brookwood Pump Station #11	Pump Stations
pump station maintenance - #146		
finish setting up raco alarm box - #148	Circle #4	Pump Stations
mark outs - #149		
mark outs - #137		
Weekly Inspection - #145	Control Panel	Old Orchard #1 > Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #143	Old Orchard Pumping Station #1	Pump Stations
vacuum spray down circle pump station wet well - #152		
markouts - #151		
meet charlie at deep woods for new generator install - #150		

Grease trap inspections - #153		
Mark out - #147		
Work Request - Mark Out - #126		
meet with engineer for phase 1 - #102		
Vacuum out and spray down eatoncrest pump station - #159	Eaton Crest #8	Pump Stations
Mark Out - #193	Mark Outs	
buy electrical safety gloves - #134		
Mark Out - #199	Mark Outs	
Mark Out - #201	Mark Outs	
clean out dump truck 30 before dropping it off at monmouth truck - #156		
drop off dump truck for bed liner . Wednesday morning - #136		
Drop off Kevin's old phone to office to create new account /sign vouchers - #202		
quick check pump station inspection - #203	Old Orchard #1	Pump Stations
evacuation and trenching written program - #118		
quick check pump station inspection - #205	Old Deal Road #2	Pump Stations
pump station maintenance - #208	Industrial Way #3	Pump Stations
pump station maintenance - #209	Circle #4	Pump Stations
pump station maintenance - #210	Brookwood #5	Pump Stations
pump station maintenance - #211	Laurel Gardens #6	Pump Stations
pump station maintenance - #212	Deepwood #7	Pump Stations
pump station maintenance - #213	Eaton Crest #8	Pump Stations
pump station maintenance - #214	Lewis Street #9	Pump Stations
pump station maintenance - #215	Mawell Road #10	Pump Stations
pump station maintenance - #216	Country Club #11	Pump Stations
pump station maintenance - #217	Crystal Inn #12	Pump Stations
pump station maintenance - #218	Wampum Park #13	Pump Stations
monthly report to board members / two rivers report - #206	Garage	
15 willow blockage - #220		
Mark Out - #222	Mark Outs	
Mark Out - #224	Mark Outs	
Grease trap inspection - #231	POPEYE'S - GT	Grease Interceptors
jet storm drains for dpw - #77		

service request for block 1801 lot 16 Wyckoff road . - #226		
hand in attendance sheets at office sign paper work pick up package - #227		
Maxwell pump station - #6		
Grease trap inspection - #230	MCDONALD'S - GT	Grease Interceptors
Clean wet well - #232	Laurel Gardens #6	Pump Stations
complete attendance reports - #225		
sign stephen up for physical / set up classes for him - #236		
Mark Out - #239		
Mark Out - #241		
Mark Out - #243		
PUMP STATION INSPECTION/ MAINTENANCE - #234	Old Orchard Pumping Station #1	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #235	Brookwood Pump Station #11	Pump Stations
Mark Out - #245		
PUMP STATION INSPECTION/ MAINTENANCE - Copy - #256	Eaton Crest #8	Pump Stations
call encore fire to get new tags on fire extinguishers - #247		
PUMP STATION INSPECTION/ MAINTENANCE - Copy - Copy - #258	Lewis Street #9	Pump Stations
d2 cyber security course - #248		
PUMP STATION INSPECTION/ MAINTENANCE - #260	Mawell Road #10	Pump Stations
Work Request - Industrial way pump station maintenance - #250		
Weekly Inspection - #233	Control Panel	Old Orchard #1 > Pump Stations
Pump station maintenance - #246	Old Deal Road #2	Pump Stations
SHORT WEEKLY INSPECTION - #297	Laurel Gardens #6	Pump Stations
tv inspect 441 grant ave - #287		
start up bypass machine to make sure it works . jet 23 jeryl - #288		
Monthly Generator Inspection - #154	Generator	Old Orchard #1 > Pump Stations
SHORT WEEKLY INSPECTION - #301	Old Orchard #1	Pump Stations
SHORT WEEKLY INSPECTION - #300	Old Deal Road #2	Pump Stations
SHORT WEEKLY INSPECTION - #296	Industrial Way #3	Pump Stations

SHORT WEEKLY INSPECTION - #291	Circle #4	Pump Stations
SHORT WEEKLY INSPECTION - #290	Brookwood #5	Pump Stations
SHORT WEEKLY INSPECTION - #294	Deepwood #7	Pump Stations
SHORT WEEKLY INSPECTION - #295	Eaton Crest #8	Pump Stations
Mark Out - #323	Mark Outs	
Mark Out - #325	Mark Outs	
SHORT WEEKLY INSPECTION - #292	Country Club #11	Pump Stations
pick up drump truck from monmouth truck - #333		
bring all boxes into the trailer - #327	Garage	
Mark Out - #332	Mark Outs	
meet vinny from ocean township - #334		
Mark Out - #337	Mark Outs	
Mark Out - #339	Mark Outs	
Mark Out - #342	Mark Outs	
PUMP STATION INSPECTION/ MAINTENANCE - #262	Country Club #11	Pump Stations
SHORT WEEKLY INSPECTION - #298	Lewis Street #9	Pump Stations
SHORT WEEKLY INSPECTION - #299	Mawell Road #10	Pump Stations
SHORT WEEKLY INSPECTION - #293	Crystal Inn #12	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - Copy - #264	Crystal Inn #12	Pump Stations
SHORT WEEKLY INSPECTION - #302	Wampum Park #13	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #266	Wampum Park #13	Pump Stations
Mark Out - #329	Mark Outs	
meet charlie at old deal to install generator alarms - #356		
meet atlantic alarm company at shop to test fire alarms - #357		
Mark Out - #360	Mark Outs	
Mark Out - #362	Mark Outs	
Mark Out - #364	Mark Outs	
Mark Out - #369	Mark Outs	
PUMP STATION INSPECTION/ MAINTENANCE - #349	Wampum Park #13	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #344	Eaton Crest #8	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #345	Lewis Street #9	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #346	Mawell Road #10	Pump Stations

PUMP STATION INSPECTION/ MAINTENANCE - #347	Country Club #11	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #348	Crystal Inn #12	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #350	Old Deal Road #2	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #355	Deepwood #7	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #352	Circle #4	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #351	Industrial Way #3	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #354	Laurel Gardens #6	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #353	Brookwood #5	Pump Stations
Weekly Inspection - #343	Control Panel	Old Orchard #1 > Pump Stations
Develop emergency action plan solution for force main break for all force mains and trunk lines. - #40	industrial pump station	
Camera Truxk Specs - #286	Garage	
call encore fire to get new tags on fire extinguishers - #370		
Mark Out - #374	Mark Outs	
scann all markouts and other items to save on computer - #371	Garage	
meet allen fredrick at the shop - #372		
Mark Out - #367	Mark Outs	
wash truck number 31 and 30 - #382		
train dan and stephen on the easement machine - #376		
Jet 23 jeryl with the easement machine - #378		
grease trap inspection - #383	HABIT BURGER GT, STORE #12	Grease Interceptors
grease trap inspection - #384	QUICK CHEK - GT	Grease Interceptors
grease trap inspection - #385	STARBUCK'S GT, STORE #14	Grease Interceptors
Mark Out - #388	Do not use	
Mark Out - #391	Mark Outs	

SHORT WEEKLY INSPECTION - #396	Deepwood #7	Pump Stations
SHORT WEEKLY INSPECTION - #402	Old Deal Road #2	Pump Stations
SHORT WEEKLY INSPECTION - #398	Industrial Way #3	Pump Stations
pull pump 2 at wampum pump station - #405	Wampum Park #13	Pump Stations
changed all written programs to include stephen and have him read and sign them - #237		
SHORT WEEKLY INSPECTION - #403	Old Orchard #1	Pump Stations
meeting with engineers at 1:30 pm 5/23/24 Office - #386		
SHORT WEEKLY INSPECTION - #393	Circle #4	Pump Stations
SHORT WEEKLY INSPECTION - #399	Laurel Gardens #6	Pump Stations
SHORT WEEKLY INSPECTION - #392	Brookwood #5	Pump Stations
SHORT WEEKLY INSPECTION - #404	Wampum Park #13	Pump Stations
SHORT WEEKLY INSPECTION - #395	Crystal Inn #12	Pump Stations
SHORT WEEKLY INSPECTION - #394	Country Club #11	Pump Stations
SHORT WEEKLY INSPECTION - #401	Mawell Road #10	Pump Stations
SHORT WEEKLY INSPECTION - #400	Lewis Street #9	Pump Stations
SHORT WEEKLY INSPECTION - #397	Eaton Crest #8	Pump Stations
Mark Out - #413	Mark Outs	
over time reports / emergency eye wash checklist - #409		
Mark Out - #411	Mark Outs	
install belt on tv truck - #335		
TRIPOD CHECKLIST - #419	Garage	
clean out tool bed of truck 31 wipe down all cabinets and reorganize it - #407	Garage	
Monthly truck inspection - #429	Maintenance Truck #31	Garage
PUMP STATION INSPECTION/ MAINTENANCE - #439	Circle #4	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #440	Brookwood #5	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #441	Laurel Gardens #6	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #442	Deepwood #7	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #431	Eaton Crest #8	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #432	Lewis Street #9	Pump Stations

PUMP STATION INSPECTION/ MAINTENANCE - #433	Mawell Road #10	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #434	Country Club #11	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #435	Crystal Inn #12	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #436	Wampum Park #13	Pump Stations
pull pump 2 at circle pump station clear debris from impellor - #453	Circle #4	Pump Stations
Zoom Meeting May 22 - #194	Garage	
meet jordan kimbell from midwest at shop 5/23/24 1:00 pm - #406		
Weekly Inspection - #430	Control Panel	Old Orchard #1 > Pump Stations
Mark Out - #447		
Mark Out - #450		
PUMP STATION INSPECTION/ MAINTENANCE - #437	Old Deal Road #2	Pump Stations
PUMP STATION INSPECTION/ MAINTENANCE - #438	Industrial Way #3	Pump Stations
Monthly Generator Inspection - #417	Generator	Old Orchard #1 > Pump Stations
Clean and wash out wet well - #461	Country Club #11	Pump Stations
Mark Out - #491	Mark Outs	
Mark Out - #493	Mark Outs	
Mark Out - #455		
Mark Out - #457	Mark Outs	
Mark Out - #460	Mark Outs	
SHORT WEEKLY INSPECTION - #505	Old Orchard #1	Pump Stations
SHORT WEEKLY INSPECTION - #504	Old Deal Road #2	Pump Stations
SHORT WEEKLY INSPECTION - #495	Circle #4	Pump Stations
SHORT WEEKLY INSPECTION - #500	Industrial Way #3	Pump Stations
Meet Allen Fredrick at the shop - #514	Garage	
Meet Mission Control - #515		
Mark Out - #508	Mark Outs	
Mark Out - #510	Mark Outs	
Monthly truck inspection - #428	Vac Truck #34	Garage
Truck maintenance - #541	Dump Truck #30	Garage
truck maintenance - #542	Camera Truck #32	Garage
monthly truck inspection - #539	Maintenance Truck #31	Garage

meet municipal maintenance at circle pump station - #537		
Generator Inspection - #408	Brookwood #5	Pump Stations
generator maintenance - #533	Industrial Way #3	Pump Stations
Mark Out - #532	Mark Outs	
SHORT WEEKLY INSPECTION - #494	Brookwood #5	Pump Stations
SHORT WEEKLY INSPECTION - #496	Country Club #11	Pump Stations
SHORT WEEKLY INSPECTION - #497	Crystal Inn #12	Pump Stations
SHORT WEEKLY INSPECTION - #499	Eaton Crest #8	Pump Stations
SHORT WEEKLY INSPECTION - #498	Deepwood #7	Pump Stations
SHORT WEEKLY INSPECTION - #503	Mawell Road #10	Pump Stations
SHORT WEEKLY INSPECTION - #506	Wampum Park #13	Pump Stations
SHORT WEEKLY INSPECTION - #501	Laurel Gardens #6	Pump Stations
SHORT WEEKLY INSPECTION - #502	Lewis Street #9	Pump Stations
generator maintenance - #511	Old Deal Road #2	Pump Stations