



DATE: December 13th, 2023
TO: Members of the Board of Directors
FROM: John Gibson, Chief Plant Operator
SUBJECT: OPERATION REPORT: November, 2023

Regulatory Compliance

- Submitted to the NCRWQCB the 3rd quarter ESMR & DMRs.
- Completed a sewer lateral CCTV inspection review and issued a certificate of compliance for 3030 Brush St.

Sampling and Monitoring

- Completed 4th quarter groundwater monitoring and sampling.
- Carried out the necessary sampling and analysis on a daily, weekly, and monthly basis, as stipulated by the NPDES permit.

Operations Report: Operations, Process Control, and Preventative Maintenance

The following activities were carried out as part of our ongoing efforts to ensure efficient operations, maintain process control, and implement preventative maintenance measures:

- Serviced Fuzzy Filter A&B top actuators and greased the corkscrews. Tested operation and placed back in service.
- Pulled pond#1 aerators A&B for service, de-ragged and greased bearings.
- Cleared brush and weed around the lower treatment plant roadways, filled and leveled potholes with road base, removed weeds from the concrete skirts.
- Removed fallen trees and cleared brush from the discharge outfall berm to Atascadero Creek.
- Replaced a manhole lid at Haven Ct. that was not seating properly and would turn over when pressure was applied. Used a grinder to remove rust buildup from around the manhole frame to allow proper lid seating.
- Replaced a faulty hour meter on the effluent pump.
- Topped off Kendal Jackson's recycled water storage pond and moved remaining treated water from the West to East storage pond in preparation for the discharge season.
- Continued weekly testing and inspections of both plant and lift station #1 backup generators.
- Conducted weekly flushing of the SAF rotary gear pump and froth system using a rust inhibitor.
- Conducted weekly cleaning and flushing of the 1748E turbidity meters and piping.



Lift Station #1

During a maintenance procedure on the lift station pump on November 22nd, a failure occurred with the pump handle, causing the release of the chain used for pulling the pump. PumpMan was called out to perform a confined space entry, reestablish the connection to the pump, and lift it for servicing.

After several attempts, it was determined that the pump was stuck in the wet well but still operational. The decision was made to wait for the arrival and installation of a new Ebara pump to ensure a backup system in case of any complications during removal.

On December 5th Pumpman returned with the new pump assembly and installed checking for proper rotation and operation. The wet well was pumped down and PumpMan technicians were able to connect and free the stuck pump. After de-ragging and inspection, the volute was found to be in need of replacement which was then exchanged with the old Ebara pump. A new stainless-steel handle was installed and the pump placed back into service. During the process, Rick, one of the PumpMan technicians, recommended prioritizing the replacement of the other lift pump, considering its end-of-life status and the impracticality of a rebuild.

Another identified issue was that both pumps did not fully seat, allowing for some bypass around the flange faces. Despite this, both pumps are operational and effectively pumping down the wet well. Wear shoes at the bottom of the wet well, responsible for seating the flanges against the pumps, were noted as potentially requiring replacement. PumpMan will review their records for information on the wear shoes and will provide a quote for replacement, along with alternative options.

Confined space entry into wet well.



Lowering the new Ebara pump into position.

