



DATE: December 15th, 2022

TO: Members of the Board of Directors

FROM: John Gibson, Chief Plant Operator

SUBJECT: OPERATION REPORT, November 15th – December 15th 2022

Regulatory Compliance

- CIWQS: Submitted November “No Spill Report”.
- Completed 4th quarter groundwater monitoring and sampling.
- NCRWQCB – A notice of termination to close out the annual stormwater reporting requirements during construction was incorrectly submitted after the completion of the plant upgrade in 2014. In order to bring the District back into compliance these steps were taken: The legally responsible person (LRP) has been updated removing previously listed Brian Kelly as the LRP and replacing with Chief Plant Operator John Gibson and a new user registration completed on the SMARTS database. The annual stormwater reports from 2014 to present have been completed and submitted bringing the District up to date. The notice of termination (NOT) was filed and approved by the NCRWQCB.

Operations, Process Control, and Preventative Maintenance

- Installed a new painted steel mounting plate in preparation for the new chlorine analyzer at monitoring point EFF-001. The analyzer is scheduled to be installed January 3rd.
- Continued weekly flushing of the SAF rotary gear pump and froth system with a rust inhibitor to prevent pump seizing and prevent callouts.
- Replaced burnet out light bulbs around the exterior of the plant facilities.
- Pulled and deragged aerators A & B in pond 1.
- Replaced the pressure gauge at the plant well.
- Removed abandoned metal irrigation piping from around the West holding pond.
- Mounted a shelf in the chlorine room and set the chemical feed pump in place.
- Spread finished compost in the West irrigation field.
- Spread drain rock and made repairs to eroded areas around the treatment plant berm.
- Cleaned out and removed debris from plant storm drains and flushed clogged lines.
- Phil with Coleman Engineering shadowed staff for 2 weeks addressing bottlenecks and needed improvements within plant processes and lift stations.
- Univar Solutions has delivered and set in place the 405-gallon sodium hypochlorite storage tank.



Control Vault Structure #1 (CVS#1)

- Repainted bollards and posts around CVS#1.
- Removed rotted out 4x4 post holding up the emergency life preserver enclosure and installed a new post. Power washed the enclosure and inspected the life ring and rope condition.
- Replaced the CVS#1 recirculation pump.
- Replaced cracked PVC fittings with a black iron threaded coupler and replaced the 3" camlock gasket.
- Labeled piping and flow direction.



Cracks around treatment pond #2

The concrete skirt around treatment pond #2 recently cracked and separated on the NW side to a distance just under 35' in length. (see photos below) The NCRWQCB has been notified of the damage and temporary repairs that have been made until a professional assessment can be performed. We are unsure what caused these enlarged cracks and movement of the concrete at pond 2. We did receive callouts for equipment power failures around the plant on that Sunday, which was the day before we discovered the large cracks. We have not been able to ascertain what could have caused the damage to the pond as well as create power failure alarms on multiple pieces of equipment. Due to their age and method of



construction both Pond 1 and Pond 2 have small cracks around the concrete skirts and are in similar condition. Operators routinely repair both ponds using a concrete crack filler to fill and seal any noticeable cracks around the concrete skirts.

Photos of the cracks around Pond 2



After temporary repairs have been made

