



WASTEWATER TREATMENT ACTIVITY BRIEFING August 2025

- The UVT Channel experienced a communication failure with Bank B, resulting in missing dosage readings. Windemeller resolved part of the issue, but one replacement part was still needed to fully restore functionality. Upon receiving the new panel, the company failed to include the small but essential installation pieces. These were later located. The panel and six boarding units were successfully installed. While the UVT Channel is now functioning better, dosage readings for Bank B remain unavailable.
- The T4 pump was pulled due to its failure to remove grit. Selge Construction was called in and discovered the system was clogged with sand. After two days of intensive work, the system was cleared and is now operational. The remaining challenge is dewatering the system without allowing excess sand into the grit chamber.
- Industrial Lift Station A high-level alarm was triggered. Terry replaced a fuse, but the issue persisted. Joe manually pumped it down multiple times, but no troubleshooting was conducted. The station continued to alarm after four pump-downs. AEP confirmed the transformer needs replacement.
- Millpond Lift Station Initial alarm was caused by a rag ball. Joe and Jeremy backflushed the system. Restarting both pumps simultaneously blew a fuse. A second alarm required pulling the pump; repairs were successful. Due to monthly clogs, a quote for a grinder has been requested. Ownership of the station (city vs. residential) is under review to better assess grinder pump needs.
- Crescent View Lift Station alarm was triggered due to a failing battery. An electrician is scheduled to replace the battery.
- Monthly Effluent Testing on chlorine, sulfate, and copper samples were sent to ALS Holland. All results returned within normal ranges.
- Zoey completed the DMRQA 45 testing and submitted results to Advanced Analysis. Final reports will be sent to the state in early October.
- Clarifier tanks were lowered to facilitate algae removal. Algae was sprayed and wiped off arms and weirs. Screens and UVT channels were cleaned to prevent excess algae discharge into the river.
- Due to ongoing construction and dewatering, flow was reduced by 200,000 gallons/day, with current flow at approximately 0.4 MGD. With this Terry called both Ovivo and the Gosling Czubak engineering firm and they recommended operating only half the plant to maintain solids retention. Terry consulted with Tony (city manager) and Tom (WWTP superintendent) before proceeding with the plan. After agreement Terry has started to turn valve to stop flow to one oxidation ditch. This process will take a few days before it is completely empty.
- Terry scheduled Bisbee Infrared to inspect breakers and lift stations. Post-evaluation, all systems were reported to be in good condition.
- Wastewater team collaborated with Jones & Henry Engineers and Anne from EGLE to establish PFAS local limits. After months of data collection and discussion, the team is ready to move forward with program implementation by having a zoom call with all of us.
- The facility completed 157 preventive maintenance work orders. Tasks ranged from routine equipment checks to complex repairs requiring significant labor.