

To: Burney Water District Board of Directors
From: David Zevely, District Manager
Date: February 16, 2024
Subject: District Manager's Report, Summary of Activities During the Month of January 2023

January

- Submitted January 2024 drinking water monthly report to SWRCB staff for review.
- Submitted 2023 annual Backflow testing information to SWRCB staff for review.
- Submitted a Chemical Monitoring Waiver Request to SWRCB staff for review. If approved the waiver allows for a reduction of monitoring frequencies for various regulated chemicals based upon past results and/or vulnerability to contamination. Currently, the District's water system is operating under waivers for certain chemical monitoring, allowing the District to monitor at reduced frequencies. SWRCB staff approved the chemical monitoring waiver.
- Submitted December 2023 Wastewater treatment plant report to SWRCB staff for review.
- Reported to the SWRCB Case Worker for the WWTP the headworks screen overflowed on January 6th. In an effort to solve this problem, which has occurred several times over the last year, I am working with the District Engineer to propose an addition to the current plant improvement project.
The District Engineer and I met with the State Water Resources Control Board Division of Finance Staff to request additional funding for a new screen and appurtenances designed to accommodate flows from the main lift station, as well as flows from the newly constructed WWTP Return and Sludge Lagoon Supernatant Pump Stations. The Division of Finance informed us a new funding application is necessary for this improvement, for the headworks improvement is a significant change to the current construction project and as such cannot be added to the current project.
From Application to funding for construction projects (through the State) can take several years, so I requested the District Engineer reach out to other funding sources that may provide funding options more quickly. The District Engineer, on behalf of the District, reached out to the U.S.D.A, to see if they have grant or other funding for such a project.
- With funding determination pending, and the District unable to fund a new headworks screen/project, I reached out to The District Engineer to request a change to the Main Lift Station pumping scheme. Instead of the current fill and drain pumping scheme at the main lift station (where currently the pumps start and then hold a set speed until called to stop), the updated pumping scheme will have pumps operate continuously and at variable speeds. The variable speeds will be based on maintaining a preset level in the main lift station's wet well. This change should moderate the flow across the screen and be aligned with the influent flow at the main lift station. Even though the current screening unit cannot handle the Main Lift Station flow when several pumps are called to run, it is the intent of this change to minimize the flow rates that cause overflows at the plant.

- Tour the District's water system with PACE Engineers, Laurie McCollum and Grant Maxwell, to discuss and note details for the upcoming Water System Improvement Project.
- Site visit at the Civic Park with Carlton's Christmas Trees to discuss park improvements and tree removal

WWTP and Collection System Improvement Projects

See below for a summary of major tasks worked on since January 8th, 2024:

Collection System Major Tasks

1. Final conduit routing and electrical improvements at the Main Lift Station are complete.
2. RTA is working on punch list items and site cleanup.

WWTP Major Tasks

1. Conversion of old clarifier to new sludge digester is complete and startup is complete.
2. Punch list items continue to be accomplished, which include remaining minor improvements.
3. Functional acceptance testing is nearly complete.

Field Operations

In this reporting period, Field Staff:

- Worked with a Rotork field technician to evaluate and adjust the water system, well 6 blow off valve. The field technician adjusted The limit settings on the valve, so it no longer leaks when shut and the well pump running.
- Read meters
- Collected required water system sampling and WWTP samples. These were delivered to Pace laboratories in Redding for analysis.
- Repaired a water line leak behind the fire station caused by PGE work in the area.

Service Requests and Call Outs

In January, during business hours, staff responded to the following number of water and sewer service requests:

- 3 Water turn on requests
- 11 Water turn off requests
- 34 Meter re-reads and final reads (moving)
- 6 Sewer service request (backups on either customer or District side)
- 6 Water maintenance requests (leaky valves, broken lines, pressure checks)

After-Hour Call Outs (11 total)

- 1—Main Lift Station high/low-water level alarms due to pump overload
- 3—Main Lift Station high-water level alarms
- 4—Sewer lateral plugs
- 1—Emergency Underground service alert
- 1—Customer leak under sink in house, Staff shut off water at meter
- 1—WWTP alarm caused by onsite electricians working on electrical panel

Sanitary Sewer Overflows (January)

1. Sewer lateral backup. About 30 gallons spilled at cleanout, soaked into dirt, and about 10 gallons were recovered and disposed of at the WWTP (40 gallons total).
2. Sewer Lateral backup. About 3 gallons spilled at cleanout and soaked into dirt.
3. Sewer Lateral backup. About 1 gallon spilled at cleanout and soaked into dirt.
4. Sewer Lateral backup. About ½-gallon spilled at cleanout and about the ½-gallon was recovered.