

To: Burney Water District Board of Directors
From: David Zevely, District Manager
Date: May 12, 2023
Subject: District Manager's Report, Summary of Activities from April 15 to May 11, 2023

April

- Submitted March 2023 drinking water monthly report to SWRCB staff for review.
- Submitted Annual Volumetric Reporting of Wastewater and Recycled Water Report to the SWRCB GeoTracker database.
- Interviewed candidates for the vacant Utility Worker position.
- Staff continued training on underground service alerts
- Requested permission from WWTP Case Worker to use Pond 7 for sludge lagoon supernatant in the event of Pond 8 becomes full.
- Attended a monthly construction meeting for the WWTP and Collection System Improvement Projects.
- Reported to the SWRCB area regulator a WWTP permit exceedance at the WWTP. The Total Nitrogen Reduction minimum was exceeded in the month of March.

WWTP and Collection System Improvement Projects

Below is the summary of major tasks worked on since last reported:

Collection System Major Tasks:

1. RTA completed the Gunsmith Sewer Replacement, with final surface restoration (chip and seal) scheduled on June 5th.
2. RTA completed Open-Cut Spot Repair No. 1 on Main Street, concluding all open-cut spot repairs identified in the Project.
3. RTA completed the additional open-cut spot repair that Nor-Cal Pipeline Services was unable to repair by means of internal CIPP patch (this was originally identified on Sheet C7.0 as Internal Spot Repair No. 3 along Hwy 299/Main Street).
4. The asphalt paving subcontractor, Eagle Paving, installed permanent pavement at various collection system improvement Sites previously completed, yet still requiring final surface restoration. These include the Sapphire sewer replacement site, Sapphire water main relocation site, Open-Cut Spot Repairs 1, 2, and 5, and locations of rodholes which were removed and replaced to facilitate CIPP lining installations (RH #124 on Poplar St, RH #131 on Maple St, RH #52B on Holly Ave, and RH #113 on Elm St).
5. RTA completed installation of concrete collars around new manhole 5A on Modoc St, new rodhole 5B on Gunsmith, new cleanouts installed as part of Open-Cut Spot Repairs 2 and 5, and new rodholes listed above as well as new rodhole 51E on Timber Drive. Additionally, RTA installed a concrete collar around the valve box installed as part of the Sapphire water main relocation effort and replaced a section of concrete driveway that was damaged during that effort.

WWTP Major Tasks Worked On:

1. Continued work on Oxidation Ditch aerator assembly.
2. Blower Building CMU has been erected and is being prepared to receive the roof.
3. Excavation for influent flow meter location and water line reroute is substantially complete

4. Clarifier Launder Walls have been completed and sacked smooth. Weir and baffles have been mounted.
5. Clarifier leakage testing has begun.
6. Return Pump Station pump hardware and valve assembly in adjacent vault have been installed.
7. Sludge Lagoon valves are being prepared for replacement.
8. Antenna tower has been installed
9. Valve at Headworks has been prepared for removal and replacement

May

- Submitted the water system Drought and Conservation Reports for January, February, and March 2023. As of January 2023, this is a newly required SWRCB report for the drinking water system.
- Informed the SWRCB Case Worker for the WWTP the headworks had overflowed to Pond 1 and to expect a follow up report with details of the event.
- Submitted the Division of Drinking Water Electronic Annual Report (eAR). the required annual report information is used for legislative policy making, regulatory compliance, and sanitary inspections.
- Added Stephanie McQuade to the CIWQS data submitter list. This is the online portal for reporting sanitary sewer overflows (SSO).
- Certified an SSO on CIWQS for a 1-gallon spill at a sewer cleanout on Birch Street
- Submitted April 2023 Wastewater treatment plant report to SWRCB staff for review.
- Received a property damage claim due to broken pipe in a house. This claim is under review.
- Staff attended a one-day training on the new CIWQS reporting requirements in Redding.
- Offered a Utility Worker candidate a position contingent upon successful pre-employment requirements.

Field Operations

In this reporting period, Field staff

- Located three sewer cleanouts during sewer callouts and brought them up to grade.
- Repaired a broken water service lateral, along with resetting broken meter boxes , due to a truck driving over the meter boxes.
- Deragged Bartel Lift Station pumps three times during this reporting period.
- Quicksilver Electric ordered and installed new start and run pump-motor capacitors at Bartel lift station. The capacitors failed due to the power outage/snow storm on February 28, 2023.
- Degreased the main lift station.
- Completed monthly meter reading.
- On May 1, staff discovered the headworks at the treatment plant was overflowing. The water flowed from the headworks across a dirt drive at the plant and to Pond 1. Staff set up a trash pump to stop the overflow until the problem could be solved.
- After discovering the headworks had overflowed, BWD staff Alternated 2-hour shifts to fuel a 3" trash pump so the headworks would not spill again. At 4 am the next morning, staff stopped flow to the WWTP and discovered the overflow was caused by grease balls that were too large to make it through the headworks and into the oxidation ditch. The grease balls were intermittently, partially blocking the effluent line to the oxidation ditch. Staff removed five large grease balls and eliminated the intermittent backup that caused the headworks to overflow, and staff completely restored normal flow and operations at the plant headworks.

- Installed and programmed a new alarm dial-out unit because the existing unit is working but has an intermittent fault.
- Maintained treatment plant equipment, adjusted plant processes, grabbed permit-required and process samples, and maintained plant grounds. Pace Analytical in Redding, CA, analyzed permit-required samples and provided laboratory analytical results. Staff evaluated process sample results and used results to adjust equipment and wastewater treatment processes.
- Grabbed monthly water system routine samples and those were tested by Pace Analytical laboratory in Redding and submitted to the State.
- Marked underground service alerts throughout the month.

Service Requests and Call Outs

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

- 7 Water turn on requests
- 14 Water turn off requests
- 14 Meter re-reads and final reads (moving)
- 5 Sewer service request (backups on either customer or District side)
- 8 Water maintenance requests (leaky valves, broken lines, pressure checks)
- 1 Water meter replacement- related tags

In April, staff responded to 8 after-hour calls for the following:

- Bartel Lift Station unidentified alarm
- Bartel Lift Station Access for Electrician to change pump capacitors
- Bartel Lift Station lo/hi-level alarms (6)