

## February 2021 Operations Report

### Water

- **Flow- Well 1b:** 1,197,000 gallons **Well 2:** 44,600 gallons **Total:** 1,241,600 gallons **Daily Avg:** 44,343 gallons
- **Well 2 Rehabilitation:** Operators are currently creating bid documents for the rehabilitation of Well 2. The well has not had any rehabilitation done to it since its construction in 1986. The project will include videoing the casing and screens to identify any issues that will need to be addressed. Also, there will be a component that includes cleaning of the well casing and a process to rehabilitate the gravel pack that surrounds the outside of the casing/screens. There is a possibility that rehabilitation of the well will improve its water quality. Operators are looking to have the documents complete and distributed for bids by the end of the week.
- **Arsenic, Iron and Manganese Testing:** After our extremely high testing results early in February for Arsenic at the compliance point and iron and manganese at Well 2, operators had Fruit Growers Laboratory (FGL) retest for iron and manganese from Well 2 and the compliance point. Well 2- Iron: 460 ug/L Manganese: 80 ug/L. The compliance point results: Arsenic- 8mg/L Iron- 180 ug/L Manganese- 84.8ug/L. The district is hoping to make an argument to the state that iron and manganese should be tested at the compliance point just like the arsenic since that point is more representative of the water delivered to customers.

### Wastewater

- **Flow- WWTP 6:** 217,327 gallons **WWTP 7:** 1,016,749 gallons **Total:** 1,234,076 gallons
- **Blockage at WWTP 6:** During routine daily rounds, operators noticed that the backup pump for the new lift station was running, which was an indication that something was not right with the new lift station. Operators checked the new pump for function, and it functioned as it should. They also noticed that there was little water entering the lift station. Operators then went to the manhole that was installed during the project and observed that the manhole had a few feet of water inside. It was then decided to bring use the district's jetter to clear the blockage. The jetter did not clear the blockage but the operators could tell it was hitting something hard inside the line. To figure out what was happening, operators borrowed a sewer camera from Grizzly Lake CSD along with their jetter that has higher pressure. Operator Campbell made entry into the lift station to insert the camera into the line and push it until the blockage was identified. About 10ft in, the camera showed that the blockage was a plumbing fitting that had been dropped into the line by the contractor during his work installing the manhole. The jetter was then inserted to clear the blockage, after a few minutes, the operators were successful clearing the blockage. The lift was returned to normal operation.
- **WWTP 7 Lift Station Pump:** Operators were receiving pump failure alarms from the lift station at WWTP 7. Upon investigation, it was found that pump #1 was not functioning properly. Operators decided to remove the pump and replace it with a new pump. While trying to remove the pump, the lifting cable broke; operators had to get a replacement cable from the hardware store. Plumas Sanitation was brought on site to help control water level within the lift station.

Operator Campbell made entry into the basin to attach the new cable. The pump was removed, and the new pump installed within three hours.

- **Air Compressor at WWTP 7:** Operators have still been experiencing failures with the air compressors. The compressors that are currently being used have been utilized at the plant for the last 6-7 years and are wearing out. A new pump has been ordered for one of the compressors and operators are planning on ordering a compressor that is robust and used for industrial applications.
- **Collection System Cleaning:** Operators contacted Nor-Cal Pipeline and Waters Vacuum Service to request bids for the cleaning of Area #2 of the collection system. Area #2 includes Sequoia Circle, Cottonwood Drive, Jacks Court, Cedar Lane, Evergreen Circle and Poplar valley Road. The bid received from Nor-Cal Pipeline had a cost of \$15,000. Waters Vacuum Service bid had a cost of \$6,395. It was decided to use Waters to provide the cleaning service and they are scheduled to execute that service on March 15<sup>th</sup> & 16<sup>th</sup>.
- **Wastewater Exam:** Operator Campbell has submitted his paperwork to take his Grade 1 Wastewater Exam. The state is transitioning to an online examination process and will be offering exams more frequently than they had previously.

#### **Misc. Small & Future Projects**

- **Consumer Confidence Report (CCR):** Operator Prince is currently working on completing the Consumer Confidence Report. This is an annual report that is required to be completed for water systems. It is to be finished and distributed to customers by July 1<sup>st</sup>.
- **Manhole Leak Repair:** Operators have identified manholes that have significant leaks and are planning on patching those leaks following the cleaning of the collection system. Farr West has recommended a product called Xypex for patching leaks in concrete. They have seen it used successfully on leaks larger than what we are experience.