

MONTHLY REPORT

To: David Dickson, General Manager
From: Joe Guistino, Superintendent of Operations
Agenda: June 13, 2017

Report

Date: June 7, 2017

Monthly Highlights

Denniston Deliveries – We are now able to run Denniston Water Treatment Plant (WTP) consistently up to 560 gallons per minute (gpm) using the temporary booster pump.

Denniston Pump Station and Bridgeport Transmission Main Project – The new pump station should be completed and available for service by early July.

Source of Supply

Denniston, Pilarcitos and Crystal Springs Reservoirs were the source of supply in May, supplying approximately 57 million gallons (MG) of water. Denniston WTP ran every day and supplied 43% of water in May.

System Improvements

Meter Locks

Our standard district Best Locks are often used to lock out meters. These locks run about \$50 each and often get ruined and sometimes cut off when used for this purpose. We are now using a specialized meter lock (under \$10) specifically designed for meters.

Denniston Deliveries

With the new Bridgeport transmission line in place we can now run the Denniston booster pump at 560 gpm with no problems. The crews adjusted the pressure reducing valves (PRV)s to keep the pressure in Clipper Ridge to 100 psi, down from 150psi. There are still fluctuations in pressure over the course of the day but we hope to have that resolved when we do a comprehensive analysis of the operation of the 11 PRVs in El Granada.

Denniston Access Road

Crews laid rock on Denniston access road now that the rainy season is over.

Well Retrofits

Crews plumbed the wells to allow for easier bleach application to keep them maintained.

Other Activities Update:

Meter Replacement Program

There were 65 meters replaced with Badger e-meters in May for the automated metering infrastructure (AMI) program. One hundred twenty-two meters were fitted with AMI radios.

Pilarcitos Canyon Storm Repair Mitigation

On 8 May we received a letter from the San Francisco Bay Regional Water Quality Control Board (RWQCB) that basically stated that they want us to remove the rip rap used for the emergency Pilarcitos Creek streambank control last February with *“the removal of all RSP that was installed as part of the Project, a description of how the RSP will be removed, a proposal for compensatory mitigation sufficient to fully mitigate for the Project’s permanent and temporary impacts, and a permanent bank stabilization design that incorporates riparian plantings and wildlife habitat features while still protecting the property from further damage”*. We’re working with the Resource Conservation District to develop a mitigation plan that meets RWQCB requirements without requiring removal of the already-installed riprap.

Cathodic Protection

We solicited three bids for the cathodic protection system for EG Tank 3. Corpro was the cheapest responsible bidder and will be installing the system in the tank later this summer. They will also be doing the annual inspection of the cathodic protection systems at our other tanks.

Crystal Springs Pumps and Motors

The new 350 horsepower (HP) motor for unit 1 was installed on 8 May. Since it is a new design, the electrical conduit had to be reconfigured for it to be properly hooked up. CalCon made the required modifications and the unit is back in service and working well.

Contractor Caused Main Failure

On 16 May, a local contractor drilled through our treated water pipeline on Cozzolino’s Ranch while doing soil borings for geotech analysis. The contractor claims that the owner of the property assured him that there were no underground utilities at the site and he therefore did not call Underground Service Alert (USA). The main was repaired within hours and the contractor will be charged for all expenses.

Miramar Tank Chime

We have recently noticed that the bottom chime on the Miramar Tank is excessively corroded, especially since this tank was just rehabilitated in 2008. The coating inspector that we have retained for the EG Tank 3 rehabilitation inspected the chime in May and determined that the corrosion is mainly due to lack of proper surface preparation by the contractor (Crosno) and is mainly caused by chloride, which needs to be washed off in addition to sandblasting. I have contacted Redwood Painting to give us an estimate for repairs.

Shut Off

With the permission of the Coastside Fire Protection District (CFPD), we have shut off the fire sprinkler water supply for the customer at 310 Valencia Street for refusing to have his backflow device tested annually per District Ordinance. The domestic supply is from a water well on the property. The CFPD also suspended all permits for this building project, which has been ongoing for over 12 years. The home has yet to be completed.

El Granada Tank 1 Retaining Wall

The torrential rains of February 2017 resulted in failure of the cement sack retaining wall at EG Tank 1. The failure of the wall allowed the hillside to slump against the tank. We covered the slump with plastic sheeting to prevent further erosion and sediment pollution until we can make repairs. We have solicited for an engineered design and are presently awaiting an estimate.

Nunes Filter Cleaning

Treatment Staff did their annual physical cleaning of the filters at Nunes WTP.

Raw Water Line Shutdown

We had to shut down Nunes WTP and partially drain the raw water line on 30 May to facilitate replacement of a fire hydrant and isolation valve as it crosses through Santa's Christmas Tree Farm. Nunes was down for a total of 3 hours.

Regulatory Agency Interaction

California Water Resources Control Board (CWRCB)

See LT2ESWTR entry above.

Treatment Staff confirmed that our next round of Lead and Copper testing will take place in 2018 since we got a late start on the last go-around.

California Fish and Wildlife (F&W)

We received our official letter on 2 May from California Department of Fish and Wildlife confirming our permission to dredge Denniston Reservoir this fall.

Safety/Training/Inspections/Personnel/Meetings

Meetings Attended

9 May - RSH/Paso Robles Tank status meeting for EG3.

10 May - Bay Area Water Supply and Conservation Agency (BAWSCA) water quality meeting at Redwood Shores library

10 May - Denniston Pump Station Project status meeting

17 May - Met with backflow tester to discuss needs at Francis State Beach

23 May - Preventive Maintenance (PM) program demonstration on internet.

26 May - Met with contractor and developer for buildings being constructed at Church and Kelly. Established proper configurations for fire and domestic taps.

Tailgate safety sessions in May

2 May - Lightning: The Underrated Killer

8 May - Take a Load Off: Tips for Safe Lifting

15 May - Climb on to Ladder Safety

22 May - Avoid Harm from Laboratory Hazards

30 May - Know What's Below: Call 811 Before You Dig!

Safety Committee and Training

Safety Training in May was on Lockout/Tagout. Jahns, Menezes, Usher, Bruce, Whelen, Duffy and Winch were in attendance.

Wonderware and Supervisory Control And Data Acquisition (SCADA) Software Workshop

Treatment Supervisor Sean Donovan and Senior Operator Todd Schmidt attended a Wonderware SCADA workshop on 10 May.

New Treatment/Distribution Operator

Our newest Treatment/Distribution Operator, Travis Menezes, started on 2 May. He will be assigned to the treatment plants but will also serve the distribution system when on-call and when needed. Mr. Menezes comes to us with Treatment Operator 2/Distribution Operator 3 certifications.

Projects

El Granada Tank 3 Rehabilitation and Coating Project

The welders finished up their work and the coaters started to sandblast the outer shell once the tank was properly wrapped. They are presently doing some touch up welding on the inside and outside and will have to go over a few spots with fresh coating. The outside tank is primed. All coating should be completed in two weeks, after which the scaffolding will be taken down. The project should be complete by mid-July.

Denniston Pump Station and Bridgeport Transmission Main Project

The Bridgeport/Coral Reef Transmission Main is in service and the PRVs turned on and adjusted. See earlier entry. The streets have been slurry sealed at this time. The electrical panels are scheduled to arrive this week. DRYCO will be pouring their last grout pour on Wednesday, and then their roofing crew will mobilize to install the roof beams and metal decking. Pump repair will be remobilizing this week to work on the discharge manifold piping. Charles Electric will be mobilizing as well to start working on the new conduit runs between the pump stations.

Rudy Everett with Calcon has been notified of the panel arrival and that the electricians work is starting. He is shooting to come on-site Thursday or Friday to look at the panels and coordinate with the electrician as needed.

Automatic Meter Infrastructure

By raising the antenna at Nunes WTP by 10' we are able to collect data clear to the end of our service area up San Mateo Road. The crews retrofitted the Aclara meter transmission units (MTU)s on 1" fire service heads. They are also replacing the Badger Beacon Automated Metering Infrastructure (AMI)s with the Aclara MTUs.

Downtown 2" Main Replacement Project

Staff has reviewed and commented on the plans and have started the Coastal Development Exemption (CDX) process with the City of HMB.

Nunes Filter Valve Project

Calcon has completed the conduit aspect of this project, with 4 master stations at each filter and the remaining surface wash valves have been ordered.