

## **MONTHLY REPORT**

**To:** David Dickson, General Manager  
**From:** Joe Guistino, Superintendent of Operations  
**Agenda:** August 8, 2017

**Report**  
**Date:** August 1, 2017

---

### **Monthly Highlights**

La Nebbia Winery – A new leak has sprung up on the treated water line just east of the La Nebbia Winery on the property of Cozzolino. We are presently reviewing our options on repair and replacement.

### **Source of Supply**

Denniston Wells 1 and 9 and Denniston and Crystal Springs Reservoirs were the source of supply in July, supplying 73 million gallons (MG) of water. Denniston Water Treatment Plant (WTP) ran every day and supplied 37% of water in July.

### **System Improvements**

#### Hydrant Shipment

We received a shipment of the 5 fire hydrants that will be upgraded this year. We will be installing them at 3<sup>rd</sup> and Grove, 1<sup>st</sup> and Grove, 2<sup>nd</sup> and Central, 3<sup>rd</sup> and Central and 2<sup>nd</sup> and Metzgar, all in Arleta Park.

#### Work Truck

The new and long awaited and much needed work truck is in the process of being ordered and is expected to arrive in October.

#### New Sample Stations

Our new and improved sample stations have been installed at 798 Sonora and El Granada Tank 1.

#### Denniston Road

More small rock was placed on the Denniston access road to lessen the impact on smaller vehicles such as cars and small pickups.

### **Other Activities Update:**

#### Annual Cathodic Protection

Corpro assessed all reservoirs equipped with cathodic protection in July. Everything looks well.

### La Nebbia Winery

District Staff met with Jim and John Cozzolino on 27 July to discuss a permanent bypass of our treated water pipeline around the La Nebbia Winery. We are proposing to install ductile iron pipe along the parcel's access roads and to abandon the existing, failing 12" main that runs along highway 92 adjacent to the winery and about 400 feet into the Cozzolino parcel. We are presently discussing easements and permitting.

### Moon Ridge Fire Meter Issue

During the meter head changeout for the automated metering infrastructure (AMI) project on large meters, the crew noticed that one fire meter in Moon Ridge was not flowing sufficiently. It was determined after trying to backflush the meter that the service line was obstructed. We excavated down to the corporation stop and indeed there were stones obstructing the service line. The crew cleared the obstruction and reestablished the fire system.

### Pilarcitos Canyon Storm Repair Mitigation

I met with Tahsa Sturgis and two of his colleagues from the San Francisco Regional Water Quality Control Board (RWQCB), Sarah Polgar from the San Mateo Resource Conservation District (RCD) and Syd Temple from Quest Engineering at the repair sites on Pilarcitos Canyon Road that were damaged in last winter's storms. The purpose of the meeting was to show RWQCB the infeasibility of replacing the existing rocks and rip rap with willow fascines and other more organic methods that are not as effective but that they requested in their response to our report on the emergency repairs last winter. RWQCB rescinded 90% of their request for rock replacement due to the excellent persuasive abilities of both the RCD as well as Quest. At this time, we await a revision of the request from RWQCB.

### Library Project

Pressure testing of the service laterals and fire supply piping for this project was good. We have been discussing fire hydrant removal options with the City of Half Moon Bay (HMB) as to the existing hydrant on the corner of Correas and Church streets. It was discovered on 31 July that our tapping contractor subbed out his job for tapping the service lines. That contractor has been removed from our list of approved contractors that we allow to tap our mains.

### Trihalomethane (THM) Formation Study

PAX water systems started their THM formation study of our distribution system to aid us in further understanding of how to better control the formation of these regulated substances.

## **Regulatory Agency Interaction**

### California Water Resources Control Board (CWRCB)

On 18 July, we submitted a petition to allow us to run Denniston WTP with raw water up to 100 ntus. It has been our experience that the plant runs very well up to 49 ntu and we feel confident that the plant will run at higher turbidities with little or no problem.

### California Fish and Wildlife (CF&W)

We resubmitted the California Environmental Quality Act (CEQA) documents for dredging Denniston Reservoir to the CF&W in July per their request.

## **Safety/Training/Inspections/Personnel/Meetings**

### Meetings Attended

6 July – RSH at El Granada Tank 3 to discuss project  
7 July – Met with Andreini Bros. to discuss La Nebia bypass options  
12 and 31 July – Denniston Pump Station construction meeting  
20 July – Met with The Society for Protective Coatings (SSPC) representative at El Granada Tank 3 to discuss coating and painting issues  
21 July – Met with Sigma Prime as to retaining wall assessment at two sites  
24 July – Met with staff to discuss La Nebia bypass options  
25 July – Met with RWQCB, RCD and Quest Engineering in Pilarcitos Canyon  
27 July – Met with Jim and John Cozzolino as to La Nebia bypass easements

### Tailgate safety sessions in May

3 July – Jackhammer Safety  
10 July – An Open and Shut Case for Gate Valve Safety  
17 July – Working at Altitude: Don't Fall into Danger  
24 July – Safe Fuel Handling Practices  
31 July – Eyes on Safety

### Safety Committee and Training

Safety Training in July was on Defensive Driving. Damrosch, Menezes, Schmidt and Whelen were in attendance.

## **Projects**

### El Granada Tank 3 Rehabilitation and Coating Project

As I have reported in the past, the retaining wall to the uphill neighbor's yard collapsed during the rainy season and there was concern as to the ability of the replacement keystone blocks to effectively retain the embankment. We had Sigma Prime assess the soils to the site and they confirm that the engineered block keystone wall will be an effective retaining wall. The painting subcontractor is presently recoating the outside of the tank since the first attempt was not applied correctly.

#### Denniston Pump Station and Bridgeport Transmission Main Project

The new motors were returned complete with thermostats and installed and functionally tested in July. Control system is in place and working properly. The field staff were instructed as to proper operation and control on 26 July. The above ground infrastructure was completed, pressure tested and disinfected satisfactorily. At 60% the pumps were flowing about 650 gpm. It was also found that the pump station bypass will allow for 450 gpm, largely due to the increased size of the transmission pipeline through Clipper Ridge. The bonus to this is that the bypass water can now be effectively metered. The structural component of the roof has been installed and we are presently waiting for completion of the roof by the roofer certified in applying the specified roofing material. In addition to the roof, the doors and piping still needs to be painted. We successfully completed the punch list items for the Transmission Main aspect of this project. The construction notice sign at Clipper Ridge was taken down but the posts were left in place for use by the homeowner's association as part of the agreement at the onset of this project.

#### Automatic Meter Infrastructure

There were 6 meters replaced with Badger e-meters in June for the AMI program. Of these, 2 were replacements for old Rockwell meters, 1 was a replacement for an old Sensus meter, one replacement was part of a repair from PG&E hitting a service and one was replaced when the crews repaired a leaking service line. The meter heads on 34 meters 1" and greater were switched to meter heads compatible with the Aclara system.

#### Downtown 2" Main Replacement Project

We received our Coastal Development Permit Exemption for this project from the City of Half Moon Bay Planning Department. We went out to bid in July and bids will be opened on 1 August.

#### Strawflower Main Replacement Project (Phase 1 of the Pilarcitos Main Replacement Project)

Construction started on the week of 24 July with the night work starting on 31 July. Notices were provided to law enforcement and fire district on 28 July. This project should be completed by the end of August.