

## **MONTHLY REPORT**

**To:** David Dickson, General Manager  
**From:** Joe Guistino, Superintendent of Operations  
**Agenda:** February 14, 2017

**Report**  
**Date:** February 7, 2017

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### **Monthly Highlights**

Weather Impacts – We have definitely felt the impact of the 9.5 inches of rain received in January. A treefall in Pilarcitos Creek on 1 February altered the course of the creek endangering the access road and our main raw water transmission line.

Personnel changes – Treatment/Distribution Operator Todd Schmidt was promoted to Senior Treatment Plant Operator in January. We are presently in open recruitment for an operator to work at the Treatment Plants.

### **Source of Supply**

Crystal Springs and Denniston Reservoirs, and Pilarcitos Wells #1, 3, 3A, 4, 4A and 5 were the source of supply in January, supplying approximately 36 million gallons (MG) of water. Local sources (Pilarcitos Wells and Denniston Project) supplied 58% of our water in January. Denniston Water Treatment Plant (WTP) ran for 8 days in January before it had to be shut down due to high turbidity source water.

### **System Improvements**

#### Single Check Backflow Replacement Program

There are many underground single check backflow devices associated with fire systems on many commercial properties. These devices are unable to be tested and their reliability of operation during emergency use cannot be guaranteed. Commercial properties undergoing remodels and which have underground single checks are required to upgrade them to above ground testable double check detector assemblies. In January, Cuhna Middle School single check was upgraded. We have just approved plans for the Cuhna Country Store to upgrade theirs. CCWD upgraded our device in November.

#### Denniston Canyon Access Road

The Denniston Canyon Access Road between the Denniston Pump Station and Treatment Plan was flooded out in the recent rains. We graded and laid 4" drain rock on this road to facilitate better transport to the WTP without the danger of getting stuck.

### Rain water runoff calculator

Excessive rain water runoff filling the Denniston Drying Beds and holding pond distorts the way that we audit water. Senior Operator Schmidt came up with a formula whereby inches of rain can be used to determine how much water was gained by the system after rain events.

### **Other Activities Update:**

#### Meter Replacement Program

There were no meters replaced in January.

#### Crystal Springs Pump 3

I reported last month that the Crystal Springs Pump 3 had a significant water leak in its casing upon initial investigation. When we pulled the pump it was discovered that the majority of the casing was severely corroded and in need of replacement. See staff report this month.

#### Personnel changes

Treatment/Distribution Operator Todd Schmidt was promoted to Senior Treatment Plant Operator in January. Two in house candidates were interviewed. We have posted a notice for Treatment/Distribution Operator to fill the slot left vacant by Mr. Schmidt. Applications will continue to be taken until the position closes on Friday, 17 February.

#### Pilarcitos Well 4

Last month I reported that Pilarcitos Well #4 stopped pumping. We pulled the well in January to find that the pump failed and much of the column pipe badly corroded. The motor/pump assembly and part of the column pipe was replaced for \$14,000 and the pump is back in service providing 80 gpm.

#### Seacrest School Tour Cancelled

We were scheduled to give our annual tour of the Nunes WTP to the Seacrest School First Grade Class on Thursday, 19 January but it got cancelled due to rain. It was not rescheduled.

#### Weather Impacts

*Denniston WTP* – We have been unable to start up Denniston WTP due to high turbidity in Denniston Creek. We hope to start up on 13 February after the present storm cycle subsides.

*Pilarcitos Creek* – 1. A large log blocked one of our culverts in Pilarcitos Canyon resulting in washout of part of the access road. At this time a large vehicle cannot pass. We hope to have the road repaired in the first half of February. 2. – A treefall on 1 February altered the course of the Pilarcitos Creek which quickly eroded the east bank and would have taken out Pilarcitos Canyon Road and our main raw water transmission main had we not taken immediate action to stabilize the bank.

*Crystal Springs Communication* – A lightning strike on 23 January cut communication between Crystal Springs Pump Station and Cahill Tank. We had to man the station every 5 hours to manually operate the pumps. Calcon came out the next day to render repairs.

*Denniston Communication* – High winds took out the phone and internet communication to Denniston WTP. AT&T had to come out twice to get them both resolved.

*Power Failures* – We experienced a number of power failures requiring call-outs in January. The El Granada Highlands lost power for about 35 hours on the first weekend of January. The new emergency generator at El Granada Tank 2 came on as it was designed.

### **Regulatory Agency Interaction**

#### California Water Resources Control Board (CWRCB)

We received our new template for quarterly DDBP reporting to CWRCB. We also received sampling information for 2017 from both CWRCB and Monterey Lab.

The CWRCB approved the status change for the Pilarcitos Well 3A from active standby to active.

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

#### Meetings Attended

4 January – Facilities Committee meeting

5 January – Bid opening for Strawflower Main Project

6 January – Met with Greg Jameson as to his hotel plans

12 January – Met with SFPUC at their Crystal Springs PS to get information as to their fire suppression system.

17 January – CIP meeting with District Staff

18 January – Salary Survey kickoff meeting with consultant

18 January – Bridgeport Transmission Main/Denniston PS status update meeting

25 January – Appeared before the SFPUC Project Review Committee to discuss plans for Stone Dam Pipeline

25 January – Met with RCD staff to discuss biological report for the Pilarcitos Road Project completed in 2016.

26 January – CIP meeting with consultant

31 January – Phone meeting on the Bridgeport Transmission Main/Denniston PS about potential change order.

31 January – Met with John Riddell of Coastside Fire Protection District as to taking El Granada Tank 3 out of service for the recoating project.

#### Tailgate safety sessions in January

3 January – Powerful Protection from PPE

10 January – Reducing the Risk of Workplace Violence  
17 January – Weld Well to End Well  
23 January – Vehicle Safety: Check, Inspect, Drive!  
30 January – Trenching: Don't Dig Into Trouble!

#### Safety Committee and Training

There was no safety Committee Meeting scheduled for January.

The Safety Training for January was on Confined Spaces. Whelen, Jahns, Bruce and Winch were in attendance.

#### Treatment/Distribution Operator Position

We launched a recruitment notice for the open Treatment/Distribution Operator Position in January. This position is to mainly work at the treatment plants. The position closes on 17 February.

#### Crystal Springs Fire Protection System

On 12 January, Maintenance Supervisor John Davis and Treatment/Distribution Operator Jon Bruce and I took a field trip to SFPUC's Crystal Springs Pump Station to observe their fire suppression system. The existing fire suppression system at our Crystal Springs Pump Station is corroded and non functioning and we were on a fact finding mission to determine how to proceed. We concluded that we should have fire suppression in our office area and not in the general pump area since there is no fuel there to burn.

#### Safety Data Sheets (SDS)

Treatment/Distribution Operator Dustin Jahns has been updating our files for what was formerly called Material Safety Data Sheets (MSDS) in order to protect worker safety and to keep the District up on the new rules governing safety communication to our workers.

#### Temporary Worker

Temp worker Cody Dexter finished his tenure with the District in January. We are now open for recruitment of a new temp worker.

#### **Projects**

##### El Granada Pump Stations 1 and 2 Emergency Generator Project

Both generators are in place, tested and confirmed operational. Staff was trained on their operation on 4 January.

##### El Granada Tank 3 Rehabilitation and Coating Project

The temporary tank was secured, connected, disinfected, bacti tested, integrated into the control system and put in service in January. The Coastside Fire Protection District was notified that the El Granada Tank 3 will be taken out of service and that its 250,000 gallon storage will not be available until the completion of the project sometime in May.

### Nunes Drying Bed #2 Sand Replacement Project

This project is complete.

### Denniston Pump Station and Bridgeport Transmission Main Project

Bridgeport drive has been potholed to locate various utilities, saw cut and the new pipes stored in the cul-de-sac at the end of the street.

Field crews met with the contractor to establish placement of the PRV vault at the north end of Bridgeport Drive.

Potholing revealed the shallow nature of the extensive underground utilities in Bridgeport Drive. Three hundred feet of the new pipeline therefore must be installed a little shallower than planned, with only 3 feet of cover rather than the usual 36 inches. In discussing the options with the CM and contractor, we decided to install the pipe at three feet and pour a grout cap over it at grade followed by the asphalt.

### Well Projects

Pilarcitos Wells 3 and 3a were installed in January. Well 3 is presently operating at 85 gpm. Since 3a has been taken out of active standby, we had to monitor it for the entire panel of SDWA testing before it can be continually operated. It was running at 50 gpm when we sampled it and it is expected to give us a continual yield of 85 gpm.

### Stone Dam Pipeline

Assistant General Manager Mary Rogren and I appeared before the SFPUC plan review committee on 25 January to present our plans for the permanent solution to the failed Stone Dam Pipeline. Although we haven't received their official letter as to the conditions we must work under, the panel seemed very willing to cooperate to get this important project completed as soon as possible. We hope to hear back from them in February.

### Downtown 2" Line Replacement Project

District Engineer Jim Teter started the design phase of the 2" galvanized line replacement project for downtown Half Moon Bay. He was on site on 25 January to work with Maintenance Supervisor John Davis to physically go over the replacement sites.