

## ***MONTHLY REPORT***

**To:** David Dickson, General Manager  
**From:** Joe Guistino, Superintendent of Operations  
**Agenda:** March 9, 2010

**Report**  
**Date:** March 1, 2010

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### **Monthly Highlights**

#### Crystal Springs Soft Starts

All three units have new soft starts and this project is considered completed. We should see a significant savings in energy use at Crystal Springs PS next season.

#### Storage Tank Cleaning and Inspections

The last three tanks were cleaned in February, completing a cycle of cleaning that will occur every 5 years. We have elevated the coating of Half Moon Bay Tank 1 to top priority due to its deteriorated condition on the inside and out.

#### Nunes Filters 3&4 Media Replacement

This project has proceeded better than expected. The underdrains were not damaged significantly and the new media is performing better than expected.

### **Source of Supply**

Pilarcitos Lake and the Pilarcitos Wells were the source of supply for the month of February.

### **Systems Improvement**

#### Beautification

Crews replaced lighting fixtures in the Nunes Chemical Storage and Feed area.  
Denniston Road graded.  
Road around Miramar tank was rocked and graded to lessen the impact of the Miramar Coating Project on our good neighbor.

#### Nunes Water Treatment Plant (WTP) Filter Orifice Plates

The crews have started on the job to bring back the flow control indication of each of our filters at Nunes WTP. We have not had any indication of individual filter flow since the mid eighties. The California Department of Public Health (DPH) had indicated that they would like us to bring back this rudimentary process indicator. This project should be complete by May.

### Nunes WTP Septic System

As reported last month, the Nunes WTP septic system was located and cleaned out. This month the Treatment Staff made improvements to the access hatch to facilitate easier cleanout and location in the future.

### Storage Tank Cleaning and Inspections

Half Moon Bay Tank 1 and 3 as well as the Miramontes Tank were cleaned and inspected by divers in February. As expected, Half Moon Bay Tank 1 is in very bad shape and warrants reprioritizing our sequence of tank coating and repairs. Half Moon Bay Tank 3 and Miramontes Tank are in good condition.

### Denniston Tank Chlorination and Recirculation Shed

A crew is working on construction of a chlorination and recirculation shed at Denniston Tank. This will enable us to circulate the tank and boost the chlorine if needed without climbing the tank.

### El Granada Highlands Pump Stations (PS)

We experienced a pump failure in February at El Granada 2 PS. We are working with our District Engineer and Pump Repair to increase the size of one unit at both El Granada PS 1 and El Granada PS 2 to better enable us to deliver water to the highlands at a higher rate than in the past.

### **Update on Other Activities:**

#### Unidirectional Flushing Program

Crews will start flushing El Granada via unidirectional flushing in the month of March.

#### Denniston Filter Media Breakdown

ERS continued with change order #1 to replace the carbon steel header that penetrates the filter shells and attach a stainless steel header to it so as to prevent further corrosion to the system. The headers have been fabricated and properly installed on filters 3 and 2. This project should be complete during the month of March.

#### Denniston Creek Biological Survey

We have retained biologist Jim Steele to provide us with a comprehensive biological report on Denniston Creek that will show the actual present and historical flows and suitability (or not) for a fishery. This is in response to a letter from the California Department of Fish and Game (DF&G) that was sent to the State Water Resources Control Board in connection with our water rights permitting process.

#### January Storm Damage

Cal Con will be replacing the RUGID telemetry and control system at Crystal Springs with a PLC. These units were destroyed during the power surges of the January storms. RUGID units were salvaged from Denniston WTP and Miramar Tank to

keep the plant running in the interim. They will be reinstalled back to their respective sites in March.

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

#### Meetings Attended

4 Feb – Nunes Short Term Improvements (STI) with KG Walters, EKI Engineering, Frisch Engineering and Telstar.

4 Feb – Maintenance Worker Ray Winch annual review.

9 Feb – Interviewed potential temporary maintenance worker Brian Merlo with John Davis.

10 Feb – Met with Leroy Daniels and Vance Verderami and his attorney to discuss water needs for a new development at Canada Cove.

11 Feb – Met with National Park Service and POST representatives to discuss impacts of the Golden Gate National Recreation Area on our and the farmer's present operation.

12 Feb – Met with realtor for Leslie Gardens to discuss water needs for a new development at the site.

17 Feb – Attended the quarterly BAWSCA Water Quality committee meeting.

22 Feb – Attended Finance Committee Meeting.

25 Feb – Met with City of Half Moon Bay planning department to discuss the final plans and phase one development for Pacific Ridge.

25 Feb – Senior Treatment Plant Operator Sean Donovan annual review.

#### Safety Meeting and Training

This month's training was slips, trips and falls and back safety. Twitchell, Winch, Duffy, Davis and Donovan were in attendance.

#### Training

Treatment/Distribution Operator Jack Whelen received training on a new handheld device used for AMR reading. He also received Distribution System training at a two day seminar in Vacaville on 17 and 18 February.

#### Temporary Maintenance Worker

John Davis and I interviewed a very fine candidate for temporary maintenance worker and hope to hire him in March.

### **Department of Public Health (DPH)**

#### Annual Inspection

We received the hard copy of the findings and recommendations from our annual DPH review completed in January (copy of letter in last month's board packet). We are pursuing a contractor to do the mechanical repairs on the hatches and ladders and will employ a tree service to remove the branches that overhand El Granada Tanks 1 and 3. A District crew will repair the screen on Hazen's Tank.

## **Projects**

### Tank Recoating Projects

Miramar Tank – The inside tank coating is complete. Contractor will install the PAX mixing unit once the paint has cured and will complete the outside bottom chime area in the interim.

### Denniston Treatment Improvements

The Engineering Consultant had the geotechnical work done in February.

### Nunes Filters 3&4 Media Replacement

Filter 3 is complete and working better than expected. Filter 4 media has been installed satisfactorily and initial backwashes have gone very well. We will be disinfecting the filter this week and it should be on line on the week of 8 March.

### Cell Tower Sites

*Verizon* – There are drainage and sediment issues associated with this project that Verizon must address before this project can be accepted as complete by CCWD.

*AT&T/Team Mobile* – The lot line adjustment is presently under county review.

### Nunes Short Term Improvement Project

K.G. Walters started staging on 1 March.

### Avenue Cabrillo Project

Presently in design phase by Mr. Teter.

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### Nunes Flocculator Drives

We received the three new flocculator drives in February. The first bank of old drives were removed from the top of the filter deck and the new drives will be installed in March.

### Crystal Springs Check Valve Replacement Project

*Pump Checks*-The check valve for unit P3 was replaced in February. We will have the old unit rebuilt and converted to food grade oil and have it installed in unit P2 this Spring.

*Main Check*- The vault lid for the main check valve will be removed in March. Kennedy/Jenks Consultants are presently designing a replacement lid that will allow crews to access and perform maintenance on the new check without having to remove the entire lid.