

MONTHLY REPORT

To: David Dickson, General Manager
From: Joe Guistino, Superintendent of Operations
Agenda: August 10, 2010

Report
Date: August 4, 2010

Monthly Highlights

Nunes Inlet Pipeline Break

Eddie Andreini hit our intake pipeline while grading the access road below the Nunes WTP. He affixed a temporary patch and will conduct permanent repairs during our next extended shutdown associated with the Short Term Improvement Project (STI).

Meter Issues

Large meter registers are being inspected and we hope to have all registers replaced on our meters larger than 1 1/2inch.

Nunes Short Term Improvement Project

Polymer and Caustic feed systems have been installed and tested satisfactorily.

Source of Supply

Crystal Springs, Pilarcitos Reservoir, Denniston Water Treatment Plant (WTP) and Denniston Wells were the major source of supply for the month of July. We switched from the Pilarcitos source to the Crystal Springs source on Tuesday, 27 July but switched back to Pilarcitos on Tuesday, 3 August.

Systems Improvement

Beautification

- Weed abatement at Nunes hillsides and Alves Tank.
- Cleanup operations at Denniston WTP and Crystal Springs Pump Station (PS).
- Installed identification signs at the Half Moon Bay Tank site.
- Put a primer coat on the new main check valve at Crystal Springs PS.
- Bollards painted on highway 92 at site of new hydrant by HMB Nursery.

Air Relief Valve Alarms

We solved a recurring problem at Crystal Springs PS by installing alarms on the air relief valves on the pump units. A few times a year the air valves would get stuck and flood the station, sometimes getting too close to the electrical panels. The alarm will shut down the pump and call out the on-call operator.

Denniston Lights

Staff is upgrading the lighting system at Denniston.

Update on Other Activities:

Denniston WTP

Treatment Staff conducted some tests on the iron rich water that flows into our intakes and prematurely fouls the filters. They found that air sparging the water prior to treatment allows for easier treatment. We are pursuing a large sparging unit to install near the iron rich sediments that are the source of the difficult water.

Backflow

Staff inspected the Enterprise Fish Company as part of their license renewal process and discovered that they do not have adequate backflow prevention installed. They agreed to install 2 Reverse Principle (RP) devices on their inlet let lines. This is part of our ongoing, but slow, effort to bring the coastside into backflow compliance.

Meter Issues

Our investigation and interviews have led us to conclude that the registers on the meters 1 ½" and greater can sometimes stick. I have spoken with a meter specialist at a Denver water utility who confirmed that registers made within a certain time period may have had faulty or non conforming gear ratios and tolerances and that they had a tendency to stick. While Sensus has not admitted a problem, they have agreed to send the registers that we know are faulty to an independent testing firm that will conduct a thorough inspection on some of our registers. We sent in three registers known to be faulty on 21 July. We are still awaiting the results of the testing. I have informed Ford Hoover, our Sensus representative, that we have lost confidence in these large meter registers and want them replaced.

Nunes Inlet Pipeline Break

On 7 July, Eddie Andreini hit the 14" ductile iron (DI) raw water inlet line to Nunes WTP while grading the access road outside of the south fence line. His crews made a temporary repair by welding a patch on the line. District Engineer Jim Teter, upon inspection, recommends that the section of pipeline be removed and replaced. The plant was shut down for 4 hours while the repair was made. All Staff time will be totalized and billed to Andreini Brothers at the completion of the permanent repairs.

Water Quality Complaints

We received 5 customer complaints on brown water. They were all associated with the Fire Department drawing water from the hydrant at the end of Coral Reef in Clipper Ridge for training. This hydrant is on a 12" pipeline that could not be flushed adequately during this spring's flushing program due to its size and accumulation of iron and manganese sediment. I have instructed the Fire Department to draw water from the new 16" El Granada Pipeline on Santiago. We have not had any issues with brown water ever since. In all cases, the brown water subsided after settling overnight.

Fire District Inspection

The Coastside Fire Protection District inspected the Denniston WTP in July as part of its Haz Com and brush control programs. We informed them that we will be conducting vegetation management on our property facing highway 92. They were very pleased. We will be contracting the local surveyor to denote our property lines at Nunes WTP in August.

Main Street Bridge

With the recent report on the poor condition of the Main Street Bridge over Pilarcitos Creek, I spoke with the City Manager and was assured that the Coastside County Water District (CCWD) will be part of the planning process whereupon we will be able to replace the present 10" welded steel line with a 16" ductile iron line. This is the last stretch of 10" line associated with the El Granada Pipeline.

Hit Hydrant

A motorist hit the hydrant at Frenchman's Creek and Highway 1 on 22 July. No water quality complaints were associated with this incident. The motorist was cited and we will recoup our costs of repair.

Safety/Training/Inspections/Meetings

Meetings Attended

- 7 July - SCADA screen summit with Staff to review screen and display lay outs.
- 14 July - First pre bid meeting for Crystal Springs PS painting job.
- 14 July - Bridgeport Pipeline and Denniston Treated Water Pump Station scoping meeting to determine best way to deliver water south of Denniston WTP. Teter, Davis, Donovan, Twitchell, Dickson and myself in attendance.
- 15 July - STI progress meeting.
- 15 July - Met with staff at Denniston PS to determine best way to construct an alternate intake.
- 19 July - SCADA project screen display meeting with Calcon.
- 20 July - Rate and Fee schedule meeting with Staff.
- 20 July - Denniston Alternative Treatment design meeting with Kennedy/Jenks
- 20 July - Operations and Maintenance (O&M) Staff meeting.

Safety Meeting and Training

The Safety Committee met on 14 July. Twitchell in attendance. CINTAS Safety training on 14 July was on HAZCOM. Most of the crew was in attendance.

JPIA conducted safety training on 6 July on First Responder/Observer responsibilities. Twitchell, Donovan, Patterson, Whelen, Damrosch, Duffy, Bruce and Winch in attendance.

Projects

Tank Recoating Projects

We have retained CSI to provide us with the bidding specifications for the Alves external coating and repairs and Half Moon Bay Tank 1 internal and external coating and repairs projects.

Denniston Intake

Consultation with San Mateo County Planning has revealed that we must pursue a Coastal Development Permit (CDP) for this project. I will be submitting a Negative Declaration in August.

Nunes Short Term Improvement Project

- The polymer and caustic systems were installed and tested in July.
- SCADA wiring and controls check for above systems completed in July.
- Treatment Staff trained on the new polymer feed units.

Crystal Springs Painting

There was only one bid for this project. The bid was open at 14:00 on 3 August and was submitted by Redwood Painting. The bid was for \$25,182, which was below the engineer's estimate.