

MEMO

TO: District Manager

FROM: Director of Operations

SUBJECT: Operations Department Project Status Report
Week Ending July 13, 2007

DATE: July 13, 2007

RECOMMENDATION:

It is recommended that the District Manager review and file the Operations Department Project Status Report for the week ending July 13, 2007.

BACKGROUND:

Main Break Highway 9 and West Park Avenue

On July 08, 2007 at approximately 11:15 PM staff responded to an eight-inch water main break at the intersection of Highway 9 and West Park Avenue in Boulder Creek. Excavation found a three-foot section of the sidewall of the asbestos-cement water main blew out (see photo for section of pipe). Staff cut in a new section of pipe to complete the repairs. Repairs took approximately seven hours to complete in which during this time water was back fed from Riverside Grove to keep customers in water. Out of water complaints were minimal and keep to the higher elevations of the distribution system from Brookdale to Riverside Grove. As required by the Department of Health Services after repairs were completed several precautionary bacteriological samples were collected through out the effected are providing "negative" results indicating water is safe for consumption. Water loss from the main break was calculated at 188,204 gallons of water. As a result of the break water storage in the North Boulder Creek was reduced to approximately 12%. Water storage was recovered by late Tuesday night July 10, 2007.



Nina Tank Repairs

Nina Tank experience increased leakage in the center of the floor of the redwood tank. Staff procured the services of underwater divers to complete repairs. With the work of the divers and District staff implementing repairs to the outside floor edge of the water tank leakage was greatly reduced. This facility will be monitor closely for leakage until the water tank replacement project is completed.

Main Repairs/Replacement Laurel Street

During the reporting period the District receive several low water pressure complaints from customers on Laurel Street in Boulder Creek. Investigation found several subsurface main leaks in the area causing the low pressure. Staff made temporary repairs to the 1 ½ galvanized water main and is in the process of replacing 40 lineal feet of piping for final repairs. The mainline leakage is caused by age of the galvanized pipe.

Blue Ridge SCADA Control

Start started the installation of Supervisory Control and Data Acquisition (SCADA) equipment at the Districts Blue Ridge Tank and Booster Station. SCADA provides 24 hour monitoring, reporting, alarms, and remote operations of this facility. Installation and is anticipated to be completed in August 2007.

Water Treatment Plant Clarification Basin Cleaning

During the reporting period staff cleaned Water Treatment Plant Clarification No. 1. Both basins are cleaned annually. The basins are used to collect sludge from the water treatment plant operations. Each basin is rotated de-watered and allow the sludge to dry for removal.

Non-Revenue Water

Staff is continuing an aggressive non-revenue water audit of the District's facilities. Currently staff is auditing all facilities for leakage/operational uses of water that is non-metered.

Emergency Water Service Ben Lomond

Staff installed an emergency water service to a home in Ben Lomond because of a failure of a private water production well. Water levels drop in the homeowner's shallow well below pumping levels.

Main Repairs

During the reporting period staff repaired an increased number of water main leaks through out the distribution system. The District's drought awareness campaign is believed to be responsible for the increase in reported water leaks. Leaks were repaired in the areas of Blue Ridge Drive, Riverside Drive, East Zayante Road, Bear Creek Road, Rosebloom Avenue, Laurel Street, Mitchell Drive, Hoot Owl Drive, Highway 9 and Middleton Drive.

Meter Change Over Program

During the reporting period staff spent the majority of time performing water meter change-outs in the North Boulder Creek. The meter change out program is behind schedule and it is intended to be on schedule by end of this fiscal year. Meters are changed out every fifteen years to ensure accuracy as water meter accuracy decreases with age.

Drought Contingency Planning

During the reporting period the District's drought awareness campaign kicked off. Water conservation billboards were placed at high visible locations throughout the San Lorenzo Valley. Water conservation information is being mailed to customers with water bills. Press releases were published in local newspapers calling for conservation and a 15% reduction in water use. Consumption and production has level off and there are indications that water conservation is being implemented by customers. Water storage is being maintained close to the full level. However July/August statically is the District's greatest production/consumption months.

Rick Rogers
Director of Operations

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