

ITEM: XX

SUBJECT: Mountain House Community Services District Wastewater Treatment Plant,
San Joaquin County

BOARD ACTION: *Consideration of Adoption of Time Schedule Order*

BACKGROUND: The Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopted Waste Discharge Requirements Order R5-2007-0039, (NPDES No. CA0084271) on 4 May 2007, for the Mountain House Community Services District (District), Mountain House Wastewater Treatment Plant (Facility), San Joaquin County. The Facility is permitted to discharge an average daily flow of 5.4 million gallons per day of tertiary treated wastewater to Old River, within the Sacramento-San Joaquin Delta.

On 3 November 2008, the District submitted an Infeasibility Analysis and Time Schedule Justification Report to the Central Valley Water Board. The Report demonstrated that it is infeasible for the District to achieve immediate compliance with the effluent limitations for dibromochloromethane (DBCM), dichlorobromomethane (DCBM), and total trihalomethanes required in the Order R5-2007-0039. These constituents are disinfection byproducts that are typically created when chlorine is used for disinfection or other purposes at the wastewater treatment facilities. The Facility utilizes an ultraviolet light disinfection system and chlorine is not used for either operations or maintenance. Therefore, the source of the byproducts was not readily apparent. The District requested a time schedule until August 2012, for compliance with the final effluent limitations. Time Schedule Order R5-2009-0013 was adopted by the Central Valley Water Board on 5 February 2009.

On 27 April 2012, the District updated the Central Valley Water Board that compliance with the DBCM and DCBM effluent limitations was still infeasible. The source of these compounds has been determined to be external to the Facility. The District's Pollution Prevention Plan (PPP) identified sources of DBCM and DCBM in the community water supplied by the Mountain House Water Treatment Plant (WTP). Additional sources of DBCM, DCBM and trihalomethanes are produced in the service area from the WTP residual chlorine disinfectant dose, and other domestic sources of chlorine (e.g., swimming pool or spa discharges, use of chlorine bleach products). The District has requested a dilution credit and if granted, effluent limitations for these constituents will be adjusted. Additional concurrent compliance actions include 1) using chloramines residual in the water supply, and 2) investigations into optimization and treatment at the Facility to reduce DBCM and DCBM concentrations in the effluent. The District requested an extension of their compliance schedule for DBCM and DCBM until 23 June 2017.

No comments were received from interested persons on the proposed Order.

ISSUES: None

RECOMMENDATION: Adopt the proposed Time Schedule Order

Mgmt. Review _____
Legal Review _____
1/2/3 August 2012 Board Meeting
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670