

ITEM: 24

SUBJECT: City of Stockton, Regional Wastewater Control Facility, San Joaquin County

BOARD ACTION: *Consideration of adoption of Time Schedule Order (NPDES Permit No. CA0079138)*

BACKGROUND: The Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopted Waste Discharge Requirements Order R5-2007-0154, (NPDES No. CA0079138) on 23 October 2008, for the City of Stockton (Discharger), Regional Wastewater Control Facility (Facility), San Joaquin County. The Facility is permitted to discharge an average dry weather flow of 55 million gallons per day of tertiary treated wastewater to the San Joaquin River, a water of the United States, within the Sacramento-San Joaquin Delta.

On 8 August 2008, the Discharger submitted an Infeasibility Analysis and Time Schedule Justification Report (Report) to the Central Valley Water Board. The Report demonstrated that it was infeasible for the Discharger to achieve immediate compliance with the effluent limitations for aluminum, dichlorobromomethane (DCBM), chlorodibromomethane (CDBM), bis(2-ethylhexyl)phthalate, and cyanide required in Order R5-2008-0154. The Discharger requested a time schedule until 1 October 2013, for compliance with the final effluent limitations for these compounds. Time Schedule Order R5-2008-0155 was adopted by the Central Valley Water Board on 23 October 2008.

On 6 May 2013, the Discharger submitted an updated Report to the Central Valley Water Board, which requested additional time to comply with the final effluent limitations for DCBM and CDBM. Since TSO R5-2008-0155 was adopted, the Discharger has made diligent efforts to reduce the formation of DCBM and CDBM during the chlorine disinfection process, but is still unable to comply with the final effluent limits. Planning efforts by the Discharger have included completion of a Method of Compliance Work Plan, a Pollution Prevention Plan and a Regional Wastewater Control Facility Capital Improvement and Energy Management Plan. Implementation efforts completed include: 1) adding small doses of ammonia during the chlorination process (chloramination) to reduce chlorine dosage, 2) adjusting the chlorine dose rate thereby reducing the amount of free chlorine, and 3) moving the chlorine dosage point downstream in the chlorine contact channel to reduce chlorine contact time. Although these efforts have reduced DCBM and CDBM in the effluent discharged from the Facility, the Discharger has determined an additional five years is necessary to implement process control measures, evaluate Facility efficiencies and continue tuning the chloramination treatment process through the control system project. The Discharger requested an extension of their TSO for DCBM and CDBM until 1 July 2018.

ISSUES: None

RECOMMENDATION: Adopt Time Schedule Order

Mgmt. Review _____
Legal Review _____
25/26 July 2013 Board Meeting
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670