

## SUMMARY OF WATER QUALITY ORDER

<b>ORDER NO.</b>	WQ 2009-0012
<b>DATE ADOPTED</b>	October 6, 2009
<b>PETITION TITLE</b>	Petitions of City of Stockton, California Sportfishing Protection Alliance, San Luis & Delta-Mendota Water Authority and Westlands Water District For Review of Waste Discharge Requirements Order No. R5-2008-0154 [NPDES No. CA0079138] for the City of Stockton Regional Wastewater Control Facility, San Joaquin County
<b>POPULAR NAME [if applicable]</b>	City of Stockton
<b>REGIONAL BOARD</b>	Central Valley Regional Water Quality Control Board
<b>FILE NO[S]</b>	SWRCB/OCC Files A-1971, A-1971(a), and A-1971(b)

### PRECEDENTIAL DECISION

On October 23, 2008, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) issued Waste Discharge Requirements Order No. R5-2008-0154 [NPDES No. CA0079138] for the City of Stockton (City) Regional Wastewater Control Facility (Facility). The City owns and operates the Facility, which serves the City and discharges intermittently up to 55 million gallons per day (MGD). The average daily flow rate is approximately 31.7 MGD, and the maximum annual average effluent discharge is 36.37 MGD. The Facility provides primary treatment consisting of screening, grit removal, and primary sedimentation, and secondary treatment consisting of high rate trickling filters and secondary clarifiers. The secondary treated effluent is piped under the San Joaquin River to the tertiary level treatment facility, which consists of facultative ponds, engineered wetlands, nitrifying biotowers, dissolved air flotation, mixed-media filters, and chlorination/dechlorination facilities. Treated wastewater discharges to the San Joaquin River, within the Sacramento-San Joaquin River Delta (Delta), at Discharge Point 001 in the southern portion of the Delta, just upstream of the Stockton Deep Water Ship Channel (Channel). Both the Delta area and the Channel where the discharge occurs have water quality impairments. The impairing pollutants are chloropyrifos, DDT, diazinon, dioxin, EC, exotic species, furan compounds, group A pesticides, mercury, pathogens, PCBs, and unknown toxicity.

The City, the California Sportfishing Protection Alliance (CALSPA), and the San Luis & Delta-Mendota Water Authority and Westlands Water District (Water Agencies) filed timely petitions in November 2008 requesting review by the State Water Resources Control Board. The City challenged provisions regarding electrical conductivity (EC) and salinity reduction. CALSPA challenged numerous provisions in the Permit, including provisions regarding EC and others related to tertiary treatment. The Water Agencies challenged provisions regarding EC and ammonia, and monitoring requirements.

The order addresses the final effluent limitations for electrical conductivity, tertiary treatment requirements, effluent limitations for dissolved oxygen and ammonia, and the clarification and definition of a mixing zone for human health criteria. All other issues are dismissed.

The order remands the matter to the Central Valley Water Board to revise the effluent limitation for electrical conductivity and clarify whether there is a mixing zone for human health criteria and, if so, to specify its boundaries.