

ITEM: 10  
SUBJECT: City of Redding, Stillwater Wastewater Treatment Plant, Shasta County  
BOARD ACTION: Consideration of NPDES Permit Renewal and Adoption of Cease and Desist Order

BACKGROUND: The City of Redding (Discharger) owns and operates a wastewater treatment facility and discharges an average dry weather flow of 4.0 mgd of treated domestic wastewater into the Sacramento River at a point one mile upstream of the Stillwater Creek confluence. The treatment system consists of screening for removal of large solids, activated sludge treatment with secondary clarification, filtration, and chlorination/dechlorination. The discharge is regulated under an existing National Pollutant Discharge Elimination System (NPDES) permit. The Discharger submitted a Report of Waste Discharge and requested renewal of the existing NPDES permit.

The discharge receives a minimum, worst case dilution of 148:1 in the Sacramento River. A reasonable potential analysis was conducted for priority and non-priority pollutants, and effluent limitations calculated for those pollutants having reasonable potential. Specifically, effluent limits are included for some metals, organics, and pesticides. As the Discharger has not yet completed a mixing zone and dilution study, conservative assumptions were made using best professional judgment to determine appropriate dilution credits. The Discharger is required to complete a mixing zone and dilution study to verify that the assumptions made are appropriate. Interim effluent limits are included for copper and zinc.

A Cease and Desist Order is also proposed to implement a compliance schedule to reduce the concentration of zinc in the effluent.

ISSUES The California Sportfishing Protection Alliance (CSPA) submitted comments and is contesting the permit. A response to comments is being prepared by Board staff and is planned to be distributed approximately one week before the Board meeting.

RECOMMENDATION: Adopt the proposed orders.

Mgmt. Review \_\_\_\_\_  
Legal Review \_\_\_\_\_

21/22 June 2007  
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