

ITEM: 33

SUBJECT: Uncontested Waste Discharge Requirements

REPORT: Following are the proposed waste discharge requirements that prohibit discharge to surface waters. All agencies and the dischargers concur or have offered no comments. Items indicated as updates on the summary agenda make the requirements consistent with current plans and policies of the Board.

a	<p>City Of Fresno, Consolidated Land Company and Consolidated Industries, Inc., North Fresno Wastewater Reclamation Facility, Fresno County</p> <p>The City of Fresno owns and operates the existing North Fresno Wastewater Reclamation Facility (WWRF) in Fresno County. The WWRF operated under a combined National Pollutant Discharge Elimination System permit for discharge to the San Joaquin River and Waste Discharge Requirements for discharge to the Copper River Country Club golf course. Consolidated Land Company and Consolidated Industries, Inc., own and operate the Copper River Country Club golf course. Due to slower than predicted population growth in the service area, wastewater flows have not reached the level in which discharge to the San Joaquin River is needed. Therefore, the City of Fresno has eliminated the discharge to the San Joaquin River. Treated effluent from the WWRF is either discharged to the Copper River Country Club golf course or cycled back to the collection system for further treatment at the Fresno-Clovis Metropolitan Regional Wastewater Reclamation Facility (Regional Facility). Sludge generated at the WWRF is also cycled back for further treatment at the Regional Facility.</p> <p>The WWRF treats domestic and commercial wastewater from Copper River Ranch, a 760-acre community development, plus flows generated from approximately 160-acres of neighboring residential and commercial area to disinfected tertiary recycled water standards, as defined by Title 22 of the California Code of Regulations. The WWRF is designed to treat up to a monthly average of 0.71 million gallons per day (mgd) and a daily maximum of 1.07 mgd. The City of Fresno recently replaced the chlorine disinfection system with an ultraviolet light disinfection system.</p>
b	<p>City Of Huron, Wastewater Treatment Facility, Fresno County</p> <p>The City of Huron in southwestern Fresno County owns and operates the Huron Wastewater Treatment Facility (WWTF), which serves a population of about 6,800 residents. Waste Discharge Requirements (WDRs) Order 87-012 prescribes requirements based on improvements the City made to the WWTF in 1987, limiting effluent flow to the 1.0 million gallons per day (mgd) design flow. The WWTF reportedly reached actual treatment capacity at about 0.5 mgd. The Discharger submitted a Report of Waste Discharge (RWD) on 18 February 2005 in support of a project to increase the treatment and disposal capacity of the WWTF to 1.0 mgd and generally improve its function with new headworks, treatment ponds, disposal ponds, and biosolids management system. While Order 87-012 already limits wastewater flow to no more than 1.0 mgd, it generally does not reflect the current WWTF and discharge. In addition, the City has not consistently met the effluent electrical conductivity (EC) limit of no more than 500 umhos/cm over source water EC implemented in the Order 87-12 in accordance with the Water Quality Control Plan for the Tulare Lake Basin (Basin Plan).</p> <p>The purpose of the proposed Order is to rescind the previous Order and update waste discharge requirements, in part, to ensure the discharge is consistent with water quality plans and policies, to prescribe requirements that are effective in preserving existing and potential beneficial uses of receiving waters, and to reflect changes made to the WWTF. The proposed Order includes provisions requiring the City to submit documentation of proper disposal of historic sludge accumulation, prepare a Salinity Management Plan, and examine the feasibility of recycled water</p>

	<p>projects. The proposed Order also provides the City a schedule to comply with the Basin Plan effluent EC limit. (SJP)</p>
c	<p>Corcoran Landfill, Kings County</p> <p>The Kings Waste and Recycling Authority (Discharger) owns and maintains the Corcoran Landfill (facility), about one mile north of the City of Corcoran in Kings County. The facility accepted municipal solid waste and is regulated by Waste Discharge Requirements (WDRs) Order No. 5-00-0159. The facility consists of one closed unlined waste management unit (Unit) covering 20 acres. Volatile organic compounds (VOCs) have been detected and the VOC plume has been adequately delineated. The Discharger utilizes monitored natural attenuation as part of a corrective action program (CAP). Revision of the WDRs incorporates requirements of the CAP.</p>
d	<p>Root Creek Water District, Riverstone Wastewater Treatment Facility, Madera County</p> <p>The Root Creek Water District in conjunction with Riverstone Development, LLC, and San Joaquin River Ranch, LLC submitted a Report of Waste Discharge (RWD) for construction and operation of wastewater treatment facilities (WWTFs) for the proposed Riverstone Development Project (formerly Gateway Village). The Riverstone Development Project (Development) is a proposed mixed use master-planned community, with approximately 6,578 residential dwelling units and 191 acres of land designated for commercial and mixed use development. No industrial or heavy commercial businesses are proposed for the new Development.</p> <p>Root Creek Water District, created in 1996, is the public agency responsible for providing water and sewer service for the new Development. Wastewater treatment for the proposed Development will be constructed in phases. For the first phase, wastewater treatment and disposal will be handled by an Initial Plant, which will be designed to treat and dispose of up to 0.3 million gallons per day (mgd) of secondary undisinfected wastewater that will be disposed of to a series of percolation/evaporation ponds. When flows to the Initial Plant approach 80% capacity, construction will begin on a Tertiary Plant. At build out, wastewater treatment and disposal will consist of a Tertiary Plant designed to treat and dispose of up to 1.8 mgd of disinfected tertiary treated wastewater for irrigation of crops and landscaping.</p> <p>The proposed Order sets effluent limits for flow, BOD, TSS, and total nitrogen for both the Initial and Tertiary Plants. In addition, the proposed Order includes additional effluent limits for the Tertiary Plant for turbidity, and total coliform organisms, and sets specific specifications for operation of the UV disinfection system. The proposed Order requires submittal of a copy of the approved Title 22 Engineering Report, with approval letter from the State Water Board, Division of Drinking Water (DDW), and a Notice of Intent for coverage under Water Quality Order 2014-0090, <i>General Waste Discharge Requirements for Recycled Water Use</i> (Recycling General Order), prior to initiating wastewater recycling operations. (KC)</p>
e	<p>SierraPine Limited, SierraPine – Ampine Division, Amador County</p> <p>SierraPine Limited (Discharger) owns and operates SierraPine Ampine Division (Facility), a particle board manufacturing facility. WDR Order R5-2008-0167 permits the Facility to discharge up to 0.047 million gallons per day of process wastewater and storm water to the receiving water, Stony Creek, a water of the United States. However discharge of treated wastewater to Stony Creek has not occurred since March 2004.</p> <p>While the Discharger's particleboard manufacturing process is a dry process, and no wastewater is generated, the Facility produces up to 0.010 mgd of wastewater that includes boiler blowdown, cooling tower water, turbine cooling water, equipment and facility wash waters, and when operational, the biofilter blowdown. The wastewater treatment system consists of a series of unlined ponds that have an approximate total capacity of 7 million gallons. Water from the pond system percolates to underlying groundwater and water from the last pond is applied to an</p>

adjacent field.

The proposed Amending Order amends WDR Order R5-2008-0167 to remove the NPDES requirements and add land disposal requirements so that WDR Order R5-2008-0167-01 will regulate wastewater discharge to land only. The potential NPDES discharge from the facility will be enrolled under the General Permit for *Limited Threat Discharges of Treated/Untreated Groundwater from Cleanup Sites, Wastewater from Superchlorination Projects, and Other Limited Threat Wastewaters to Surface Water* (Order R5-2013-0073, NPDES No. CAG995002); enrollment under the General Permit will be effective upon adoption of the proposed Amending Order

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

4/5 December 2014

Central Valley Regional Water Quality Control Board meeting

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