

ITEM: 16

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>TRACK FOUR, INC. AND MERCK AND COMPANY, INC., FORMER BALTIMORE AIRCOIL COMPANY (BAC) FACILITY, IN-SITU SOIL REMEDIATION PROJECT, MERCED, MERCED COUNTY</p> <p>For the past two years, the BAC facility has been successfully treating hexavalent chromium pollution in groundwater by injecting water amended with methyl alcohol to stimulate biological conversion of the soluble hexavalent chromium into its insoluble trivalent form. The insoluble chromium becomes permanently fixed to the soil thereby no longer polluting the groundwater. The process has already reduced chromium pollution beneath most of the 40.5-acre facility and off-site areas of groundwater pollution are currently being treated. In-situ groundwater remediation is being conducted under Waste Discharge Requirements R5-2008-0047</p>
b	<p>CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION, CALIFORNIA CORRECTIONAL INSTITUTION, TEHACHAPI, WASTEWATER TREATMENT FACILITY, KERN COUNTY</p> <p>The California Department of Corrections owns a WWTF at the California Correctional Institution in Tehachapi. Waste Discharge Requirements (WDRs) Order No. 88-035 currently regulates the discharge of up to 1.1 million gallons per day (mgd) of secondary treated wastewater from the WWTF to spray fields (Use Area) just west of the WWTF.</p> <p>The Department upgraded its WWTF to provide tertiary treatment. The discharge flows will remain the same and up to 1.1 mgd of disinfected tertiary recycled water will be discharged to an expanded 181-acre Use Area. Additionally, the Department will provide the Tehachapi-Cummings County Water District tertiary treated recycled water for irrigation of a nearby golf course and/or sod farms designated "Reclamation Areas." The District has applied for a separate Master Reclamation Permit to distribute the tertiary treated water to the Reclamation Areas.</p> <p>The quality of effluent will improve with the upgraded WWTF and the future discharge will have less impact on water quality than the previously permitted discharge. Upgrade of the WWTF will reduce nitrate as nitrogen concentrations in the effluent to less than the Primary MCL of 10 mg/L. The EC of the discharge will be similar to that of the existing groundwater and will not adversely affect beneficial uses. (JSP)</p>

c	<p>BROWN SAND INC. AND MOSSDALE ASSOCIATES, LTD., BROWN SAND MOSSDALE QUARRY, SAN JOAQUIN COUNTY</p> <p>Brown Sand Inc. has expanded a sand mining and wash plant at 800 W. Mossdale Road, Lathrop, San Joaquin County, adding 380 acres to the existing 303 acre facility. Brown Sand Inc. operates the excavation and washing equipment; Mossdale Associates, Ltd. owns the land; together they are hereafter referred to as Discharger.</p> <p>The processing facility includes a scale house, office, fuel storage, equipment shop, and caretaker's residence. The site is adjacent to the San Joaquin River and is surrounded by berms or levees, but the levee tops are below the estimated 100-year base flood elevation. Potentially hazardous material storage areas are approximately 1.25 feet above the base flood elevation; therefore, they should be protected from floodwater. However, because the margin of safety is small and wind driven waves can reduce the margin of safety, this Order requires a Flood Contingency Plan that requires a spill prevention control and countermeasure plan.</p> <p>The source of all wash water is the on-site pond. Since all ponds can be used to dispose of wastewater, they are all considered to be wastewater ponds. Wastewater (turbid water) is discharged via a settling canal which is several hundred yards long. The settled fines are periodically removed from the canal and are either stockpiled for sale or placed in a pond. No dewatering of the excavation is performed.</p> <p>Comparison of groundwater quality to pond water samples indicates the pond water has higher Total Dissolved Solids (TDS) and Electrical Conductivity (EC) values than the shallow and medium zone groundwater. Because the pond is in direct contact with shallow and medium zone groundwater, TDS/EC values at least as high as present in groundwater is not unexpected. This Order requires further investigation of groundwater quality and flow direction.</p>
d	<p>BUENA VISTA BIOMASS POWER, LLC, BUENA VISTA BIOMASS POWER PROJECT, CLASS II SURFACE IMPOUNDMENT AMADOR COUNTY</p> <p>These WDRs will primarily regulate Buena Vista Biomass Power's (Discharger) operation of the facility's Class II surface impoundment, which is designed to manage industrial process wastewater from the Discharger's biomass electrical power generation plant.</p> <p>The facility is located approximately 1 mile north of the community of Buena Vista, in Amador County. The facility has been refurbished to burn woody biomass in order to generate electrical power. The Discharger intends to begin power generation at the facility sometime in 2011. Under normal operations the biomass powered facility is designed to discharge waste water at a rate of 6.2 gpm to an existing Class II surface impoundment.</p>

e	<p>LAKE OROVILLE MARINA LLC AND STATE OF CALIFORNIA DEPARTMENT OF PARKS AND RECREATION AND DEPARTMENT OF WATER RESOURCES FOR OPERATION OF LAKE OROVILLE MARINA, BUTTE COUNTY</p> <p>The State of California, Department of Parks and Recreation, administers the Lake Oroville Recreation Area on Lake Oroville, a California State Water Project Lake operated by the Department of Water Resources. On 1 October 2007, Lake Oroville Marina LLC and State of California Department of Parks and Recreation entered into a 30-year contract. The waste discharge requirements are being revised to reflect the operational changes described in the concession contract. Marina facilities include boat moorage, commercial houseboat rentals, a marina service dock with fuel dispensers, houseboat sewage pump out stations, floating sanitary facilities, and a general store. Land-based facilities included a sewage evaporation pond, lift station, lower parking lots, parking lot restrooms, entrance station, and associated landscaping. Marina and parking lot restroom wastewater are discharged to the sewage evaporation pond. The purpose of this Order is to revise WDR Order No. 96-134 and R5-2004-0032 to reflect the Facility change and prescribe requirements that are adequate and consistent with the current Regional Water Board plans and policies</p>
f	<p>NORTH OF RIVER SANITARY DISTRICT NO. 1 AND SILL PROPERTIES, WASTEWATER TREATMENT FACILITY, SPECIAL ORDER MODIFYING WASTE DISCHARGE REQUIREMENTS ORDER NO. R5-2009-0088, KERN COUNTY</p> <p>Waste Discharge Requirements Order No. R5-2009-0088 for North of River Sanitary District No. 1 and Sill Properties authorize a discharge of 7.5 million gallons per day of undisinfected secondary recycled water to a reclamation area of 2,380 acres of farmland, of which 1,740 acres are owned and operated by Sill Properties. The other 640 acres are owed by the District and operated by Sill Properties.</p> <p>Waste Discharge Requirements Order No. R5-2009-0088 for North of River Sanitary District No. 1 and Sill Properties authorize a discharge of 7.5 million gallons per day of undisinfected secondary recycled water to a reclamation area of 2,380 acres of farmland, of which 1,740 acres are owned and operated by Sill Properties. The other 640 acres are owed by the District and operated by Sill Properties.</p> <p>This Special Order modifies the Waste Discharge Requirements to remove a 40 acre parcel (APN 090-240-07) that is no longer owned and operated by Sill Properties.</p> <p>This Special Order also modifies the Waste Discharge Requirements by adding two new parcels to the farmland receiving recycled water (Assessor's Parcel Nos. 090-240-03 (100 acres) and 090-240-05 (60 acres)), resulting in a reclamation area increase from 2,340 acres to 2,500 acres. (DMS)</p>

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____
Legal Review _____

February 3, 2011
Central Valley Regional Water Quality Control Board meeting
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670