

ITEM: 19

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.

	<p>a. J.G. BOSWELL, CORCORAN TOMATO PROCESSING FACILITY, KINGS COUNTY</p> <p>J.G. Boswell (Discharger) is constructing a tomato processing facility south of Corcoran in Kings County. The Discharger proposes to discharge an average of 1.4 mgd of wastewater during the processing season (late June through early October) to an about 540-acre Use Area adjacent and southwest of the tomato processing facility. The wastewater will be stored temporarily in a retention pond, blended by at least a 1:1 ratio with fresh water, and used to irrigate crops. The Center Pivot irrigation system is designed for the infiltration of the wastewater within 24 hours. Effluent quality is better than that of the shallow underlying groundwater; hence, the effluent will not degrade shallow groundwater.</p> <p>Comments were presented by the Discharger in a meeting with Regional Water Board staff in December 2007. The comments were generally editorial in nature and the tentative order was revised to reflect the comments. No other comments were received.</p>
	<p>b. MARTIN'S AIR CONDITIONING, INC., FOR OPERATION, AMERICAN TIRE TECH LANDFILL, KERN COUNTY.</p> <p>Approximately two miles south of McFarland, the facility contains one unlined waste management unit, covering approximately 7.5 acres, in a former borrow area for highway construction fill. Surface drainage is toward Poso Creek in the North Kern Hydrologic Area (58.80) of the Tulare Lake Basin. Existing waste discharge requirements permit the discharge of inert waste consisting of baled and shredded tires. The waste discharge requirements are being revised to allow additional types of inert wastes in the discharge. (REH)</p>
	<p>c. CENTRAL VALLEY MEAT COMPANY, HANFORD BEEF PROCESSING FACILITY, KINGS COUNTY</p> <p>Central Valley Meat Company operates a slaughterhouse and beef processing facility. The Discharger leases the property from the Lawrence and Shirley Coelho Revocable Trust who are named as co-dischargers. Former hide processing activities prior 1986 resulted in elevated EC and chloride concentrations in</p>

	<p>shallow groundwater beneath the facility. On commencing operation in 1993, the Discharger implemented several mitigation measures intended to prevent the discharge of wastewater to the ponds from spreading the existing groundwater pollution, including reconstruction of the ponds to limit percolation, the use of wastewater for irrigation, and continued groundwater monitoring.</p> <p>The Discharger submitted a Report of Waste Discharge (RWD) dated 27 March 2002 to add approximately 186 acres to its land application area (Reuse Area), which was revised in March 2003. The revised RWD included wastewater treatment upgrades and proposed a flow increase to 0.525 million gallons per day (mgd) (since discharge volumes greatly exceed the permitted limit of 25,000 gpd), and included design specifications for improvements to the pond system including installation of a synthetic liner, which have not been implemented yet. The Discharger is in the process of adding 210 additional acres to the Reuse Area through purchase or signed use agreements, which would bring the Reuse Area to about 396 acres.</p> <p>The Waste Discharge Requirements (WDRs); (a) set an annual flow-weighted average limit for fixed dissolved solids (FDS) of 500 mg/L and require the Discharger to submit a Salinity Control Plan to control the salinity of the discharge; (b) limit the monthly average daily discharge flow to 0.39 mgd with an increase to 0.42 mgd following submittal of the signed use agreement for parcel 016-130-058; (c) require the Discharger to submit a Design Plan and complete improvements to the pond system; and (d) require the Discharger to evaluate the soil in the former land application area and develop a comprehensive irrigation and nutrient management plan for the Reuse Area.</p>
d.	<p>CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR BARRETT FARMS POULTRY PROCESSING FACILITY, PHASE I LAKE COUNTY (Resolution)</p> <p>The Barrett Farms Poultry Processing Facility is located on approximately 16.5 acres of land in Finley. During Phase I, approximately 400 chickens will be processed on a weekly basis. Approximately 2,750 gallons per day of wastewater will flow via gravity into grates, screens and trench drains installed on the concrete floor of the poultry processing building and then into watertight underground holding tanks. Poultry manure generated in covered chicken barns will be contained on the concrete floors, collected using a loader and shovel and hauled offsite for disposal. Wastewater and residual solids will be transported to a wastewater treatment facility such as Lake County Sanitation or East Bay Municipal Utility District. Other wastes including feathers, offal and blood will be diverted into sealed containers for offsite hauling to a rendering facility such</p>

		as North State Rendering in Chico. This waiver includes a monitoring and reporting program to ensure that wastes are disposed in the above manner. Surface water drainage from the site is to Rumsey Slough and Adobe Creek, which both drain to Clear Lake. (GJC)
	e.	<p>SACRAMENTO COUNTY AIRPORT SYSTEM, SACRAMENTO INTERNATIONAL AIRPORT TERMINAL MODERNIZATION PROJECT, DEWATERING DISCHARGE TO LAND, SACRAMENTO COUNTY (Resolution)</p> <p>Sacramento County Airport System plans to construct major improvements at Sacramento International Airport as part of the Terminal Modernization Project. The project will require dewatering with discharge rates of approximately 100,000 gallons per day (gpd) on average through December 2009. Extracted groundwater will be conveyed by a temporary pipeline to a storage tank, and will be land applied by a sprinkler system to approximately 100 acres of undeveloped land at the southwestern end of the airport property. This waiver includes a monitoring and reporting program to ensure compliance with the discharge prohibitions and specifications. Surface water drainage is to the Sacramento River. (ALO)</p>
	f.	<p>WADHAM ENERGY LIMITED PARTNERSHIP AND ENPOWER MANAGEMENT CORP., BIOMASS-FIRED COGENERATION FACILITY, CLASS II SURFACE IMPOUNDMENTS, COLUSA COUNTY.</p> <p>Wadham Energy Limited Partnership owns and Enpower Management Corp. operates a biomass-fired electrical power plant facility in Colusa County. The power plant is fueled by rice hulls, rice straw, and other agricultural biomass and is designed to produce 28 megawatts of power. Following use, power plant boiler blowdown water and cooling water is concentrated and discharged at a rate of approximately 1.8 gallons per minute to two, one-half acre, double-lined Class II surface impoundments. Waste discharge requirements for the facility are undergoing a regular 10-year update to bring them up to date with current standards and any changes at the facility. Surface drainage is to an unnamed agricultural drain which flows to Cortina Creek which is tributary to the Colusa Basin Drain. (WLB)</p>
	g.	<p>MERIDIAN BEARTRACK COMPANY, MERIDIAN GOLD COMPANY, AND FELIX MINING COMPANY, CLOSURE OF ROYAL MOUNTAIN KING MINE CALAVERAS COUNTY.</p> <p>Royal Mountain King Mine (RMKM) is west of Highway 4 and south of Rock Creek Road near the town of Copperopolis, Calaveras County. RMKM was a large open pit gold mining facility operated by Meridian Gold Company. Mining facilities consist of three open pits (Gold Knoll, Skyrocket Pit, and North Pit), a mill, a Process Water Retention Pond/Leached Concentrate Residues Facility (PWP/LCRF), a Flotation Tailings Reservoir (FTR), and three overburden disposal sites (ODSs).</p>

	<p>The mining and processing of the gold ore operations commenced in February 1989 and shutdown in July 1994. These revised WDRs regulate the closure of several units and the management of the mining waste, and provide a process to generate a final management plan for this facility and to close the remaining units. The site wide management plan will be submitted in April 2011, which should include long-term closure and management of this mining facility. Surface water discharge is to the Sacramento – San Joaquin River Delta. (VJI)</p>
	<p>h. CALIFORNIA DEPARTMENT OF CORRECTIONS , DEUEL VOCATIONAL INSTITUTION WASTEWATER TREATMENT SYSTEM IMPROVEMENT PROJECT DEWATERING DISCHARGE TO LAND, SAN JOAQUIN COUNTY. (Resolution)</p> <p>The California Department of Corrections plans to construct a wastewater treatment system improvement project at Deuel Vocational Institution. The project will require dewatering with discharge rates that are estimated to be approximately 832,000 gallons per day. To facilitate the initial dewatering at the Headworks/Aeration Tank site, an initial average flow rate of 1,600,000 gallons per day is allowed. Because groundwater pollution has been documented at Deuel Vocational Institute, extracted groundwater will be treated if contaminants are present at detectable concentrations. The dewatering is anticipated to occur from January until November 2008. Extracted groundwater will be piped to an existing levee toe drain where it will travel in an unlined ditch to a pumping station. The water will be pumped to the Discharger's "Big Reservoir" where it will drain by gravity to be applied to 178 acres. An additional 270 acres is available for land application if needed. This waiver includes a monitoring and reporting program to ensure compliance with the discharge prohibitions and specifications. Surface water drainage is to Tom Paine Slough and the Sacramento San Joaquin Delta. (TRO)</p>

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

Central Valley Regional Water Quality Control Board
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 25 January 2008