

ITEM: 22

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. **EL DORADO COUNTY, UNION MINE SEPTAGE/LEACHATE TREATMENT FACILITY, El Dorado County**

El Dorado County owns and operates the Union Mine Septage/Leachate treatment facility, located near the town of El Dorado. The facility accepts septage, portable toilet wastes, and landfill leachate. The treatment facility consists of aerobic digesters, a sludge centrifuge, a disinfection system, an effluent storage tank, and sprayfields. It is designed to treat approximately approximately 22,000 gallons per day (gpd) of waste; however, there is only enough storage and disposal capacity for flows of approximately 10,500 gpd. The Discharger has indicated that it is working with the El Dorado Irrigation District (EID) to obtain a permit to discharge the surplus wastewater to the EID Deer Creek wastewater treatment plant. As of the date of this Order, no permit between the Discharger and EID is in place. Therefore, this Order limits the monthly average influent flows to 10,500 gpd. However, if the Discharger obtains a permit to discharge wastewater to the EID Deer Creek WWTP, then the Executive Officer may approve an increase in the flow limit up to the calculated disposal capacity. In no case shall the flow exceed 16,000 gpd. Surface water drainage from the WWTF is to Martinez Creek, a tributary to the North Fork of the Cosumnes River. (JSK)

b. **EL DORADO COUNTY, UNION MINE LANDFILL, CLASS II LANDFILL, CLOSED CLASS III LANDFILL AND CLASS II SURFACE IMPOUNDMENT, OPERATION, CLOSURE AND POST-CLOSURE MAINTENANCE, El Dorado County**

The Union Mine Landfill facility includes an active Class II landfill, an inactive and partially closed Class III landfill, and a Class II surface impoundment for collection of leachate. The facility is owned and operated by the County of El Dorado. Most of the County's solid wastes are currently exported out of the county. The Class II landfill is currently used on an as needed or contingent basis, and since 1997, has only received solid waste from the on-site offices and sludge generated from the on-site Leachate/Septage Treatment Facility.

The WDRs are undergoing a five-year update. The updated WDRs

would approve an engineered alternative final cover and require that it be installed over the remainder of the Class III landfill during 2006. The engineered alternative final cover includes the existing two-feet of interim cover (one-foot of which is compacted clay), a 60-mil geomembrane, and a one-foot thick soil layer with vegetation. The updated WDRs no longer include requirements for the wastewater spray fields for the on-site Leachate/Septage Treatment Facility since the Board will consider separate WDRs during the January 2006 meeting for regulation of the spray fields by the Non-15 program.

c. **CITY OF BAKERSFIELD, MODIFYING WASTE DISCHARGE REQUIREMENTS ORDER NO. R5-2005-0135, CITY OF BAKERSFIELD SANITARY LANDFILL, Kern County**

The City of Bakersfield owns and maintains the City of Bakersfield Sanitary Landfill, located in the northeast part of the City of Bakersfield about three quarters of a mile south of the Kern River. Waste Discharge Requirements Order No. R5-05-0135, adopted by the Central Valley Water Board, prescribes requirements for closure and post-closure maintenance for the landfill including construction of an engineered alternative final cover. Construction Specification C.2 of the WDRs requires the final cover to be four feet thick as a minimum. This specification was written in error and should have specified a three-foot thick final cover. This special order modifies Construction Specification C.2 of the Waste Discharge Requirements so that a three-foot thick cover is required. (REH)

d. **COUNTY OF MERCED AND CITIES OF ATWATER, DOS PALOS, GUSTINE, LIVINGSTON, LOS BANOS, AND MERCED, FOR CONSTRUCTION AND OPERATION, HIGHWAY 59 SOLID WASTE LANDFILL, Merced County**

The County of Merced operates the Highway 59 Landfill about six miles north of the City of Merced. The facility is jointly owned by the County of Merced and the cities of Atwater, Dos Palos, Gustine, Livingston, Los Banos, and Merced (hereafter jointly referred to as Discharger). The 222-acre waste management facility consists of an existing unlined Class III municipal solid waste management unit (Unit), an existing single-composite-lined Class III Unit, a Class II surface impoundment, and two stormwater retention basins. The Discharger proposes to construct a new Unit in a 140-acre area immediately north of the existing Units. The Discharger has submitted a demonstration that construction of a single-composite engineered alternative liner system will meet the performance standard for a Class III landfill contained in §20310 of Title 27. Therefore, this Order permits the construction of a single-composite liner system. The surface impoundments will require double-composite liner construction. The Discharger has demonstrated that the Unit as

proposed avoids on-site wetlands to the maximum extent practicable and where impracticable, the impact is minimized and those impacts are mitigated to ensure no net loss of wetlands. The County has avoided a significant portion of the on-site wetlands and further avoidance is impracticable. The County is required under its federal CWA Section 404 permit and the Biological Opinion to preserve in perpetuity a 168-acre wetland preserve and mitigation area. The County will construct wetland acreage within the mitigation area in compensation for the acreage lost as part of the landfill construction. The Discharger proposes to accept treated wood waste at the landfill. The Discharger has indicated that all treated wood waste accepted at the landfill will be handled and disposed of in accordance with the appurtenant provisions outlined in Sections 25143.1.5, 25150.7, and 25150.8 of the Health and Safety Code. The landfill appears to meet the necessary requirements imposed pursuant to the Porter-Cologne Water Quality Control Act. This order, therefore, allows the disposal of treated wood waste in accordance with the conditions imposed pursuant to the Health and Safety Code. (DEE)

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

Regular Board Meeting
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670

26 January 2006