

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.

	a.	<p>CITY OF FRESNO, SURFACE WATER TREATMENT PLANT, FRESNO COUNTY</p> <p>The City of Fresno operates a surface water treatment plant (SWTP) to provide the City with potable drinking water. The SWTP is designed to treat up to 30 million gallons of water per day (mgd), with a build out capacity of 60 mgd. The treatment process includes clarification (Actiflo® process), disinfection (ozonation), and filtration (granulated activated carbon). Sodium hypochlorate is added to the treated water to meet public health requirements for the distribution system. Solids and backwash water are discharged to onsite settling/evaporation ponds. The City will line the ponds with a 60 mil HDPE liner to minimize the potential for migration of contaminants to groundwater.</p> <p>Based on the superior chemical character of the raw and treated water, the nature of the treatment process, and the fact that all treatment and waste management units will consist of reinforced concrete or a low permeability liners, the discharge poses a low threat to groundwater quality. Although this Order does not require groundwater monitoring, it includes requirements for continued monitoring of the raw water, supernatant return, and liner inspections. If monitoring results reveal a previously undetected threat to water quality, this Order may be reopened to reconsider groundwater limitations and other requirements to comply with Resolution No. 68-16.</p>
	b.	<p>CITY OF BAKERSFIELD, WASTEWATER TREATMENT PLANT NO. 2, Kern County</p> <p>The City of Bakersfield operates wastewater treatment plant No. 2 serving both incorporated and unincorporated portions of the city. In 1997, the Discharger was issued a Cease and Desist Order (97-105) for violations or threatened violations of 5-day biochemical oxygen demand and electrical conductivity limits. The Discharger completed expansion and improvements to its treatment, and the proposed requirements reflect the expansion.</p> <p>The proposed Order includes effluent limits for BOD and TSS of 40 mg/L monthly average and 80 mg/L daily maximum. The Discharger stores effluent in nine storage ponds with a combined storage capacity</p>

		<p>of 6,190 acre feet, prior to recycling effluent on 5,476 acres of land. The order would set an effluent limit of 10 mg/L for nitrates by 30 April 2011 or, alternatively, demonstrate that the design and performance of the storage ponds do not threaten the groundwater objective for nitrates of 10 mg/L.</p> <p>Comments were received from the Discharger and its consultant, and the Central Valley Clean Water Association (CVCWA). Modifications to the proposed Order were made and reviewed and addressed with the Discharger and CVCWA. (JSP)</p>
	c.	<p>BUTTONWILLOW COUNTY WATER DISTRICT, WASTEWATER TREATMENT PLANT, KERN COUNTY</p> <p>Buttonwillow County Water District operates a wastewater treatment facility (WWTF) a quarter of a mile northeast of the community of Buttonwillow. The WWTF is regulated by Waste Discharge Requirements Order No. 85-303. The existing WWTF consists of an Imhoff tank, a storage pond, sludge drying bed, and a 50-acre Use Area.</p> <p>In September 2008, the District submitted a Report of Waste Discharge to upgrade the WWTF. The project will include two treatment trains, each consisting of an equalization tank, denitrification tank, Bio-tank, membrane tank, and a sludge aeration tank. Treated wastewater will be disposed of via percolation ponds and reclamation. Sludge will be sent to three concrete lined sludge drying beds.</p> <p>The proposed Order includes an effluent limit of total nitrogen of less than 10 mg/L and effluent limits for BOD and TSS each of 40 mg/L monthly average and 80 mg/L daily maximum.</p> <p>In response to comments on the tentative Order, the Monitoring and Reporting Program was modified to reduce influent and effluent monitoring from weekly to monthly after three months of weekly monitoring and if monitoring results show no significant variations in magnitude of a constituent or parameter and after approval by the Executive Officer.</p>
	d.	<p>RANCHO MURIETA COMMUNITY SERVICES DISTRICT, VAN VLECK RANCH; RECYCLED WATER REUSE AREAS, SACRAMENTO COUNTY</p> <p>Rancho Murieta Community Services District (RMCS D) operates a wastewater treatment facility that currently provides tertiary disinfected recycled water to two golf courses under existing Waste Discharge Requirements (WDR) Order No. 5-01-124. On 2 August 2007, the Central Valley Regional Water Quality Control Board adopted WDR Order No. R5-2007-0109 to regulate the temporary reuse of recycled water produced by the Rancho Murieta wastewater treatment facility,</p>

		<p>and applied at the neighboring Van Vleck Ranch. The Use Permit issued by the Sacramento County Board of Supervisors is temporary and was set to expire on 31 December 2009. Therefore, WDR Order No. R5-2007-0109 also expires on that date. The County subsequently conditionally extended the Use Permit to 31 December 2012. The proposed Order amends WDR Order No. R5-2007-0109 to extend the expiration date to 31 December 2012, to correspond with the local regulatory conditions. (ALO)</p>
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RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

10 December 2009

Central Valley Regional Water Quality Control Board meeting

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670