

ITEM: 24

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. DARKHORSE, LLC, DARKHORSE GOLF CLUB, LLC, AND ED FRALICK DARKHORSE SUBDIVISION WASTEWATER TREATMENT FACILITY, ORDER AMENDING WASTE DISCHARGE REQUIREMENTS ORDER NO. R5-2002-0076, NEVADA COUNTY</p> <p>The Darkhorse Subdivision Wastewater Treatment Facility (WWTF) is regulated by Waste Discharge Requirements (WDRs) Order No. R5-2002-0076. Approximately 31 homes have been constructed and are able to discharge to the WWTF. However, construction of the WWTF has not been completed. Wastewater is partially treated and stored in below ground tanks at the treatment plant then trucked to the Lake of the Pines treatment plant on an as-needed basis. The project lender acquired the Darkhorse treatment plant through a foreclosure sale in 2007. The WDRs need to be amended to reflect the new ownership and current conditions. Therefore, this proposed Order amends the Dark Horse Subdivision WDRs to (1) add Darkhorse Golf Club, LLC, and Ed Fralick as additional Dischargers, (2) modify a Discharge Prohibition to allow the existing discharges to the WWTF, provided that the Dischargers continue to haul the wastewater offsite for disposal at a permitted wastewater treatment facility, (3) modify a Provision regarding the Revised MRP, (4) include a Provision requiring an update to the facility’s spill response plan, and (5) include a Provision requiring submittal of quarterly progress reports. Surface water drainage is to Lake of the Pines and Magnolia Creek, thence to the Bear River. (GJC)</p>
	<p>b. JAMESTOWN LANDFILL, CLOSURE, POST-CLOSURE MAINTENANCE, AND CORRECTIVE ACTION, TUOLUMNE COUNTY</p> <p>The County of Tuolumne owns and operates a municipal solid waste landfill about one-half mile southeast of Jamestown. The landfill accepted municipal solid waste from 1974 until 1995, and closure was completed in 2005. The 15.5-acre landfill contains</p>

		<p>approximately 522,000 tons of in-place refuse. At the direction of the Regional Water Board, the County requested a revision of the waste discharge requirements for approval of re-closure of the landfill due to failure of the final cover installed in 2005. The proposed WDRs approve the components of the final cover and other basic design parameters for re-closing the landfill. The proposed re-closure of the landfill includes reduction of side slope steepness by relocating waste to the top deck, and construction of benches. (WLB)</p>
	c.	<p>HOLIDAY HARBOR INCORPORATED AND U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE, FOR OPERATION OF HOLIDAY HARBOR MARINA, SHASTA COUNTY</p> <p>Holiday Harbor Incorporated owns and operates Holiday Harbor Marina pursuant to a special use permit issued by the U.S. Department of Agriculture Forest Service. The marina consists of water and land-based facilities along the McCloud River arm of Shasta Lake. During summer months, about 3,800 gallons per day of domestic sewage and gray water is removed from private and commercial houseboats, discharged to a land-based holding tank, and transferred by truck to a new on-site wastewater treatment and disposal system. The purpose of this Order is to rescind WDR Order No. 93-132, prescribe operational requirements for the new wastewater system to protect groundwater and surface water beneficial uses, and to revise the monitoring and reporting requirements to include septic tank effluent and groundwater sampling. (KB)</p>
	d.	<p>SILVERTHORN RESORT ASSOCIATES LIMITED PARTNERSHIP AND U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE, FOR OPERATION OF SILVERTHORN MARINA/RESORT, SHASTA COUNTY</p> <p>Silverthorn Resort Associated Limited Partnership owns and operates Silverthorn Marina/Resort pursuant to a special use permit issued by the U.S. Department of Agriculture Forest Service. The marina consists of water and land-based facilities along the Pit River arm of Shasta Lake. During summer months, about 4,000 gallons per day of domestic sewage and gray water is removed from private and commercial houseboats and discharged to land-based septic tanks and a leachfield consisting of six leachlines. The installation of an additional septic tank and leachline are proposed to manage anticipated increases in wastewater flow. The purpose of this Order is to rescind WDR Order No. 5-01-231, prescribe operational requirements for the septic tank leachfield system expansion, provide a time schedule for installing a groundwater monitoring</p>

	<p>system adjacent to the wastewater treatment and disposal system, and revise the monitoring and reporting requirements to include septic tank effluent and groundwater sampling. (KB)</p>
<p>e.</p>	<p>MILLERTON NEW TOWN WASTEWATER TREATMENT FACILITY, FRESNO COUNTY SERVICE AREA NO. 34, FRESNO COUNTY</p> <p>Fresno County Service Area No. 34 (hereafter Discharger or Fresno CSA # 34) was formed in 1986 to operate and maintain public utilities for the planned Millerton New Town development. When completed, Millerton New Town will comprise approximately 2,200 acres, with about 3,400 homes and related commercial uses and recreational developments on Millerton Road east of Friant.</p> <p>The existing wastewater treatment facility (WWTF) is currently regulated by Waste Discharge Requirements (WDRs) Order No. 02-193, adopted in October 2002, which provides for the expansion of the existing secondary WWTF on an interim basis until a tertiary WWTF is constructed. In August 2007, the Discharger submitted a Report of Waste Discharge to modify its existing Order to include the area north of Millerton Road that lies within the boundary of Fresno CSA # 34, and allow for the use of recycled water for fire protection and irrigation of residential lots. The Discharger also submitted a Master Reclamation Permit application to regulate the distribution of recycled water under Fresno CSA #34 on land owned by individuals within Millerton New Town. A tentative Order to regulate Millerton New Town's recycling operation under a Master Reclamation Permit is also on the agenda.</p> <p>The proposed Order sets a monthly average daily flow limit of 0.056 mgd, with effluent limits for BOD₅ and TSS of 40 mg/L monthly average and 80 mg/L daily maximum until the new tertiary WWTF becomes operational.</p> <p>The proposed Order sets effluent limits for the new tertiary WWTF for BOD₅ and TSS of 10 mg/L monthly average and 20 mg/L daily maximum, and sets a monthly average daily flow limit of 0.2 mgd for Phase 1 of the tertiary WWTF with flow increases up to 0.5 mgd and 1.07 mgd upon completion of additional phases and certification that the Discharger has sufficient treatment, storage, and disposal capacity to comply with the terms and conditions of this Order. In addition, the proposed Order establishes an effluent limitation for EC of 550 µmhos/cm.</p> <p>The proposed Order recognizes that the effluent will be stored in</p>

	<p>lined ponds and requires the effluent to be applied to the Use Areas at reasonable agronomic rates for nutrient and hydraulic loading. In order to protect public health and safety, the proposed Order requires the Discharger to comply with the provisions of Title 22 and to implement best management practices with respect to recycled water application, and includes provisions requiring the Discharger to submit an updated Title 22 Engineering Report and Operations and Maintenance (O&M) plan, along with recorded covenants for lands dedicated for irrigation of recycled water to ensure the unrestricted availability of land for disposal of effluent.</p> <p>Per comments on the tentative Order, the Monitoring and Reporting Program was changed to include monthly sampling of the effluent from the storage ponds for total nitrogen once water recycling begins in order to calculate nitrogen loading to the reclamation areas.</p>
	<p>f. MILLERTON NEW TOWN RECYCLING SYSTEM, FRESNO COUNTY SERVICE AREA NO. 34, MASTER RECLAMATION PERMIT, FRESNO COUNTY</p> <p>Fresno County Service Area No. 34 (hereafter Discharger or Fresno CSA # 34) was formed in 1986 to operate and maintain public utilities for the planned Millerton New Town development. In August 2007, the Discharger submitted a Report of Waste Discharge (RWD) and applied for a Master Reclamation Permit to allow for distribution and use of recycled water within its service area.</p> <p>Fresno CSA #34 will treat the wastewater to the standards required in Title 22 for unrestricted irrigation of golf course and other public use areas including open space and landscaped areas, recreational and school properties, residential lots, and for fire protection within the Marina Estates subdivision. A tentative Order to regulate the wastewater treatment facility is also on the agenda.</p> <p>As the responsible party named in the Master Reclamation permit, Fresno CSA #34 is responsible to maintain the minimum land application acreage and recycled storage pond capacity to comply with the terms and conditions of this Order. The Order, as proposed, includes requirements for Fresno CSA #34 to establish and enforce rules and regulations for recycled water users in accordance with statewide recycling criteria, and to conduct periodic inspections of the recycled water use sites.</p> <p>This Order as proposed would require Fresno CSA #34 as the</p>

		<p>Producer of recycled water to implement and enforce specific measures relating to the use of recycled water. These include: (a) posting of appropriate warning signs around Use Areas, (b) maintaining setback distances, (c) ensuring distribution and delivery systems are well maintained and operational, and (d) requiring that recycled water be applied at agronomic rates.</p>
	g.	<p>GRANITE CONSTRUCTION COMPANY, KEITHLY RANCH/HIGHWAY 175 QUARRY, LAKE COUNTY</p> <p>Granite Construction Company owns and operates a rock quarry and aggregate processing plant in Lakeport. The facility produces up to 400,000 tons of rock and generates up to 36 million gallons of aggregate wash water per year. The wash water is contained in on-site ponds and recycled. Sediments removed from the ponds are stockpiled for later use in mine reclamation. The proposed Resolution amends WDRs Order No. R5-2005-0115 only to correct an error that unnecessarily limited the permitted sediment stockpile areas. Surface water drainage is to Clear Lake. (ALO)</p>
	h.	<p>THE RUMSEY BAND OF WINTUN INDIANS, YOCHA DE HE GOLF CLUB WATER RECLAMATION PROJECT, YOLO COUNTY</p> <p>The Rumsey Band of Wintun Indians owns and operates a wastewater treatment facility that serves the Cache Creek Casino Resort in western Yolo County. The Discharger uses reclaimed tertiary disinfected wastewater to irrigate the Yocha De He Golf Club golf course. The Discharger has installed a new water softening system that should significantly reduce the salinity of the recycled effluent but will not be able to comply with the final effluent limits for salinity by the date prescribed in the WDRs. The proposed Resolution amends WDRs Order No. R5-2006-0121 to allow additional time for the Discharger to comply with the final effluent limits for salinity constituents and to evaluate whether additional salinity controls are needed. Surface water drainage is to Cache Creek. (ALO)</p>
	i.	<p>UNIVERSITY OF CALIFORNIA DAVIS CAMPUS, J. AMOROCHO HYDRAULICS LABORATORY, YOLO COUNTY</p> <p>The Discharger owns and operates a research laboratory that conducts erosion and hydrology experiments using water. Some experiments include fish, measuring swimming performance, behavior, and physiological response. The Discharger currently discharges under a NPDES permit. On 21</p>

	<p>March 2008, the Discharger requested the Regional Water Board to review the NPDES outfall location and reclassify the outfall location as a discharge to land. Regional Water Board staff conducted the evaluation and transferred the facility to the discharge to land program. The outfall location is within a dry creek bed that has upstream and downstream barriers which eliminate flow for a discharge below the ponding capacity of 350,000 gallons. In addition, it was determined that for the purposes of the Federal Clean Water Act the north fork of Putah Creek it is no longer a waterbody and would not be considered as a “water of the U.S.” Concurrently, the discharger has constructed a 126,000 gallon retention basin as a second outfall location.</p> <p>The facility consists of an indoor and outdoor experimental area. Each has a flume and temporary holding tanks. Source water for the systems is either drawn from a nearby agricultural well or supplied from UCD tap water. The water is not subjected to chemical amendments before or after experimentation. The capacity of the indoor and outdoor system is 80,000 and 40,000 gallons, respectively. Discharges happen intermittently and only during periods of experimentation. For example, the current project typically discharges up to 30,000 gallons three times in two months. (RTM)</p>
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RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

31 July/1 August 2008

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