

ITEM: 17

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><b>AMADOR WATER AGENCY, MACE MEADOW GOLF AND COUNTRY CLUB, INC., BUCKHORN WATER TREATMENT PLANT AND REUSE SITE, AMADOR COUNTY (WDR AMENDMENT)</b></p> <p>WDRs Order R5-2005-0097 was adopted on 24 June 2005, prescribing requirements for Buckhorn Water Treatment Plant (WTP) and reuse site on Mace Meadow Golf Course in Amador County.</p> <p>The WTP consists of a membrane micro-filtration system, two 250,000-gallon above ground potable water storage tanks, an 80,000-gallon above ground reclaimed water equalization tank, and a surge control/break tank. Backwash water from membrane cleaning is conveyed to two unlined storage ponds prior to irrigation on the golf course.</p> <p>On 21 April 2016, AWA requested to amend the WDRs Order in order to allow the use of aluminum chlorohydrate in the water treatment process and to allow installation of membrane filter backwash water recycling system. Aluminum chlorohydrate will be used as a coagulant to reduce undesirable disinfection byproducts in the potable water. After completion of the backwash water recycling system, the backwash water will flow through a plate settler system and then be filtered through vacuum sand filters. The filtered backwash water will be returned to the raw stream of the WTP and may not be applied to the golf course in the future. The MRP is also being revised accordingly.</p> <p>Staff recommends adoption of the proposed Order amending the WDRs.</p>
b	<p><b>DARLING INGREDIENTS INC., OSCAR HEARD, AND VAL AND MARY AZEVEDO DARLING INGREDIENTS INC. RENDERING PLANT, TURLOCK FACILITY STANISLAUS COUNTY (WDR AMENDMENT)</b></p> <p>Order R5-2012-0104, adopted on 4 October 2012, was issued to Darling Ingredients Inc., Oscar Heard, and Val and Mary Azevedo. Darling Ingredients, Inc. (hereafter "Discharger") owns and operates the rendering plant and land discharge areas referred to as the "Darling property", and is primarily responsible for compliance with the WDRs. Oscar Heard, and Val and Mary Azevedo (hereafter "Co-Dischargers") own farmland that are irrigated with treated wastewater generated by the Discharger.</p> <p>Order R5-2012-0104 set interim and final effluent limits on BOD, total nitrogen, fixed dissolved solids (FDS), and chloride to the effluent storage ponds to protect groundwater quality beneath the unlined ponds. The final effluent limits became</p>

	<p>effective 1 November 2014. 8. On 27 January 2014, the Discharger submitted the <i>Treatment System Performance Evaluation Report</i> pursuant to Order R5-2012-0104. The report evaluated whether the treatment plant is capable of complying with the WDR final effluent limits for total nitrogen, FDS, and chloride. The report cited treatment system upsets and stated that compliance with the final effluent limits cannot be consistently achieved.</p> <p>Central Valley Water Board staff issued a letter stating that wastewater treatment plant upsets do not warrant relaxation of effluent limits but do require implementing appropriate treatment or control measures to prevent future upsets or impacts to groundwater. The letter further stated that the unlined ponds are the primary threat to groundwater quality and lining the ponds would be considered an appropriate control measure.</p> <p>On 1 September 2015, the Discharger submitted a Report of Waste Discharge to amend Order R5-2012-0104. The Discharger proposes to line their effluent storage ponds with a 60 mil high density polyethylene (HDPE) liner over three phases by 1 October 2019.</p> <p>The proposed amending Order extends the interim effluent limits to unlined ponds until 30 September 2019 and removes effluent limits to lined ponds. The proposed amending Order also adds a BOD mass loading limit to the land application area and requires pond liner integrity monitoring.</p>
c	<p><b>LATON COMMUNITY SERVICES DISTRICT, LATON WASTEWATER TREATMENT FACILITY, FRESNO COUNTY (WDR AMENDMENT)</b></p> <p>The Laton Community Services District (District or Discharger) owns and operates the wastewater treatment facility (WWTF) that provides sewerage service for the unincorporated community of Laton (population 1,800), in Fresno County. The WWTF features secondary treatment and consists of a wet well with a grinder, two lift pumps, an aeration basin, clarifier, six evaporation/percolation ponds, emergency basin, two concrete lined sludge drying beds, and surrounding bermed land owned by the District which is utilized for discharge during pond maintenance activities.</p> <p>The WDRs limit the discharge to 0.2 million gallons per day and provide limits for effluent BOD, TSS, conductivity, and pH. The WDRs include a time schedule (after funding is obtained) that requires the District to submit a demonstration that it has determined the current land uses for each parcel within a 1 mile radius of the WWTF to identify potential uses of recycled water.</p>

RECOMMENDATION: Adopt the proposed waste discharge requirements.

**Mgmt. Review** \_\_\_\_\_

**Legal Review** \_\_\_\_\_

October 13/14

Central Valley Regional Water Quality Control Board meeting

Redding City Hall

Redding