

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	<p><b>Aqua Clear Farms, Inc. and Hatch Investments Limited Partnership; Aqua Clear Farms Facility; Class II Surface Impoundments and Landfills; Construction, Operation, Closure, Post-Closure Maintenance, and Corrective Action, Solano County</b></p> <p>The waste discharge requirements (WDRs) for the Aqua Clear Farms Facility are undergoing a regular update of the current 2002 WDRs Order R5-2002-0120. The facility is located at the intersection of Highway 113 and Flannery Road near Highway 12 south of Dixon and west of Rio Vista. The facility accepts drilling mud primarily from drilling of natural gas wells that is discharged to Class II surface impoundments at the facility that are regulated under Title 27. The major items being addressed in this revision of the WDRs include providing information about improvements to the waste management units and corrective action program since 2002, an updated water balance and freeboard requirements for the impoundments, information and requirements for how the surface impoundments will be managed during filling with dried drilling mud and be closed as landfills, management of runoff from impoundments that are filled with dried drilling mud, upgrade of the truck washout area, update of the MRP to list the new monitoring wells at the site, update of the financial assurances requirements, and further improvements to the corrective action program. (WLB)</p>
b	<p><b>City of Sacramento Utilities Department; Sylvia Dellar Survivor's Trust; Dellar Landfill; Unclassified Landfill, Sacramento County</b></p> <p>The Dellar Landfill is a 24-acre, partially-closed landfill on "A" Street south of the American River and adjoining levee about 1½ mile northeast of downtown Sacramento. The City of Sacramento operated the landfill during its entire active period from 1957 to 1963. The landfill accepted primarily household wastes, much of which was discharged to trenches and deep borrow pits with little separation from groundwater. The landfill predated Title 27 and Subtitle D regulations and is unlined. After cessation of waste disposal operations in 1963, the landfill was not maintained and over the ensuing years underwent substantial differential settlement resulting in ponding and storm water infiltration into wastes.</p> <p>Low concentrations of volatile organic compounds (VOCs) and elevated general minerals have been historically detected in groundwater down gradient of the landfill.</p> <p>In 2008, the Central Valley Water Board's Executive Officer issued a Cleanup and Abatement Order requiring that the landfill be closed as a corrective action measure under Title 27 regulations. In 2012, the Discharger installed an engineered soil cover over most of the landfill under a 2011 partial final closure plan. Two areas requiring approvals from other agencies were not included in the 2011 partial final closure plan, however, including a 35-foot wide strip along the north side of the landfill abutting the American River levee and areas where Elderberry bushes, habitat to the federally-</p>

	<p>protected Elderberry Beetle, were discovered.</p> <p>The proposed WDRs prescribe requirements for completing closure of the landfill and conducting landfill postclosure maintenance and corrective action monitoring. The WDRs prescribe a timeline for closing the remaining areas of the landfill, conducting a landfill gas investigation, and submission of technical reports. The monitoring and reporting program generally requires semiannual monitoring for field and monitoring parameters and five year monitoring for landfill constituents of concern. Areas of the site north of the American River levee are drained by the American River, which flows into the Sacramento River. The remainder of the site is generally drained by the City of Sacramento's Combined Sewer System.</p>
c	<p><b>Conagra Foods, Inc., and Maddox Farms, LLC, Helm Tomato Processing Facility, Fresno County</b></p> <p>ConAgra Foods, Inc., (hereafter ConAgra or Discharger) owns and operates it's Helm Tomato Processing Facility (Facility) just east of the Community of Helm. Wastewater generated from the processing of tomatoes into tomato paste is discharged to 2,646 acres of farmlands owned by Maddox Farms, LLC (hereafter Maddox Farms). Waste Discharge Requirements Order 96-268 were issued to Hunt Wesson, Inc., and allow an average daily discharge of 3.0 million gallons per day (mgd) during the processing season (July through October), and an average daily discharge of 0.2 mgd during the remainder of the year. The wastewater was discharged to up to 2,396 acres of farmland owned by Britz, Inc. In 2000, the Facility name was changed to ConAgra Grocery Products Company, which has since been renamed ConAgra Foods, Inc. The farmland or land application areas (LAAs) were purchased by Maddox Farms in 2000. The large amount of land available for the reuse of wastewater results in loading estimates that are low, with a monthly average BOD loading in 2013 of 11 pounds per acre per day. Nitrogen loading was estimated to be about 18 pounds per acre per year, while salt loading was estimated to add about 310 pounds per acre per year of salt to the LAAs.</p> <p>Groundwater monitoring was not required by Order 96-268, but is required as a part of this Order. Regionally, water quality varies greatly and the depth to water is believed to be about 175 feet below the ground surface.</p>
d	<p><b>County of Tulare, Visalia Municipal Solid Waste Landfill, Tulare County</b></p> <p>The County of Tulare (hereafter Discharger) owns and operates the Visalia Municipal Solid Waste Landfill (facility), located about seven miles northwest of the City of Visalia in Tulare County. The facility accepts Class III municipal solid waste and is regulated by WDRs Order R5-2013-0059. The facility consists of one unlined waste management unit (WMU I) and one lined waste management unit (WMU II). Based upon an Amended Report of Waste Discharge submitted by the Discharger, this tentative order modifies WDRs Order R5-2013-0059 by adding Findings and Discharge Specifications to allow the acceptance and disposal of dewatered sewage or water treatment sludge and for its use alternative daily cover and/or interim cover in WMU II in accordance with Title 27.</p>
e	<p><b>Lamplight, Inc. and Maybelle Timm Eley, Timm Mine, El Dorado County</b></p> <p>Maybelle Timm Eley is the owner of the Timm Mine, and Lamplight, Inc. is the current operator. The facility is a mining claim in El Dorado County located on private land owned jointly by Maybelle Timm Eley and the Timm M Testamentary Trust, and also on public lands owned by the United States Government (United States Department of</p>

	<p>Agriculture, Forest Service and United States Department of Interior, Bureau of Land Management). The Facility is located approximately 1.5 miles east of Spanish Flat along Traverse Creek (latitude 38.81942°N, longitude 120.78294°W). The Facility covers approximately 3 acres of surface area and the elevation at the site ranges from about 1,450 to 2,550 feet above mean sea level.</p> <p>The Facility contains an existing hard rock gold mining operation regulated by the Board under the authority of the Water Code and Title 27. WDRs have been previously issued for the Facility on 27 August 1976 (WDR Order No. 76-193) and more recently on 22 February 1991 (WDR Order No. 91-065).</p> <p>The proposed mining rate is less than 1,000 tons per year. The Discharger identified two main types of mining waste that will be generated from the operation. Approximately 900 tons of mining waste to be generated was characterized as development rock. Development rock has been classified as Group C mining waste as defined by California Code of Regulations, title 27 ("Title 27"), § 22480. Approximately 100 tons per year of mining waste to be generated at the site was characterized as Group B mining waste. These WDRs prescribe waste discharge requirements for Group B and Group C mining waste that are protective of ground and surface waters.</p> <p>On 30 January 2013, the Discharger submitted a Report of Waste Discharge (ROWD) for the Facility. However, the ROWD was incomplete because it failed to include the items listed in Provisions E.5. These WDRs in Provisions E.5 require the Discharger to submit the necessary attachments, reports, etc. to ensure that the Discharger's operations are in compliance with the Water Code and Title 27 regulations associated with mining operations and final disposition of mining waste.</p> <p>The purpose of issuing these WDRs is to revise WDRs 91-065 which do not reflect current conditions at the site as well as establish revised discharge and monitoring specifications that will ensure that the Discharger is in compliance with all applicable laws and regulations related to the protection of beneficial uses of waters of the state.</p>
f	<p><b>Newman Minerals, LLC and Edwin Lands, LLC, Irish Hill Quarry, Amador County</b></p> <p>The Discharger mines sand and gravel from gold-rush era dredge tailings deposited from 1860s through the early 1900s. The Quarry has an average production rate of approximately 600 to 1,000 tons per day. The maximum permitted annual production is 120,000 tons per year with a ten-percent exceedance allowed in non consecutive years.</p> <p>The Quarry has been operated without regulation under WDRs since approximately 1981. Currently, the facility is in operation under an Amador County Use Permit adopted in 1988, which requires a 150-foot setback from Dry Creek and limits the depth of mining to ten feet above the mean bottom elevation of Dry Creek. The 14 November 2012 Use Permit Amendment adjusts the setback to a new riparian setback (as close as approximately 50 feet from Dry Creek) and allows an increase of the mining depths by approximately 10 to 15 feet.</p> <p>Currently only approximately 29 acres in the western side of the creek are active operation areas. The Quarry includes mining and stockpile areas, a Wash Plant, four wash water settling ponds, and a Water Storage Pond. Water for aggregate washing and dust control is pumped from the Water Storage Pond. The wash water runoff flows by gravity to the settling Ponds 1 through 4 in series. Water decanted from Pond 4 is returned to the Water Storage Pond for reuse. The washing process functions as a closed loop and does not discharge wastewater from the site. The primary source of</p>

	make-up water is onsite storm water runoff and water pumped from Dry Creek. No chemicals are used in aggregate processing.
g	<b>This item is removed from agenda</b>
h	<p><b>Syngenta Seeds, Inc., Woodland Seed Processing Facility, Yolo County</b></p> <p>Syngenta Seeds, Inc. owns and operates an existing commercial seed operation facility that processes seeds from peppers, tomatoes, watermelons, cantaloupe, and squash grown onsite or in greenhouses. The facility is regulated under WDRs Order R5 2008-0158, which prescribes requirements for the discharge of process wastewater to a 3.1-acre land application area, cropped with turf grass. Process wastewater is generated from fruit washing, seed extraction, greenhouse container sterilization, washing of equipment and processing areas, and from the greenhouse evaporative cooler temperature control systems drainage.</p> <p>The Discharger proposes to construct additional greenhouses and a new hardening-off cage that will generate additional process wastewater. The Discharger requests an increase to the annual flow limit from 493,000 gallons to 1.0 million gallons and proposes to expand the wastewater land application areas to 5.0 acres.</p>

RECOMMENDATION: Adopt the proposed waste discharge requirements.

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

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

7/8 August 2014

Central Valley Regional Water Quality Control Board meeting

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Rancho Cordova, CA 95670