

ITEM: 27

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.

**WASTE DISCHARGE REQUIREMENTS FOR OPERATION, CONSTRUCTION, AND CLOSURE FOR MCKITTRICK WASTE TREATMENT SITE, KERN COUNTY**

Liquid Waste Management, Inc. (Discharger) owns and maintains the McKittrick Waste Treatment Site (Facility), located approximately one mile south of the town of McKittrick in Kern County. The Facility accepts designated waste and is regulated by Waste Discharge Requirements (WDRs) Order No. R5-2003-0160. The Facility consists of five lined waste management units (WMUs) covering 27 acres. The Discharger proposes to expand the waste disposal area by an additional 24 acres. Revision of the WDRs incorporates construction requirements for expansion.

**NORTHERN RECYCLING COMPOST, ZAMORA FACILITY, YOLO COUNTY**

Northern Recycling, LLC (Discharger) submitted a Report of Waste Discharge for new waste discharge requirements (WDRs) for the expansion of an existing composting facility and to accept food waste for composting at the facility located one mile south of Zamora in Yolo County. The plans for the expansion of the composting facility have been withdrawn; however, the Discharger plans to continue to compost green waste from residential and commercial sources. The current composting operations consist of screening/processing, active windrow composting, and storing the final compost product. The compost operations will be conducted on compacted soil pads with hydraulic conductivity of  $1 \times 10^{-5}$  centimeters per second or less. The proposed Order requires the Discharger to construct a composite-lined retention pond and a composite-lined detention basin for leachate and contact water drainage from the pad areas, and one composite-lined overflow pond for additional storage capacity when needed. The required pad and pond liners are necessary to protect groundwater quality.

**PARAMOUNT FARMS INTERNATIONAL LLC, KING PISTACHIO PROCESSING PLANT AND WILLIAM J. MOUREN FARMING, INC., KERN COUNTY**

Paramount Farms International LLC (Paramount) purchased the King Pistachio Processing Plant (King Plant) from Homa Ranch in Lost Hills. The discharge is regulated under Waste Discharge Requirements (WDRs) Order 96-121 and Revised Monitoring and Reporting Program 96-121, that authorized a daily maximum flow up to 1.0 million gallons per day (mgd) and a monthly average flow up to 0.87 mgd of pistachio wastewater to 130 acres of land application area (LAA).

Paramount submitted a Report of Waste Discharge for the proposed discharge of comingled pistachio hulling and process wastewater during the harvest season from its King Plant to

640 acres of LAA owned by William J. Mouren Farming, Inc. Paramount proposes to increase its LAA by an additional 27 acres of farmland to discharge only process wastewater during the non-harvest season. The additional LAA is owned by Paramount. Paramount also proposes to increase its monthly average daily flow up to 4.05 mgd (annual flow of 110 million gallons per year (mgy)) during the harvest season and up to a monthly average daily flow of 0.05 mgd (annual flow of 15 mgy) during the non-harvest season.

This Order contains provisions that require Paramount to evaluate its management practices of the LAA's and ensure the application of wastewater at agronomic rates, and conduct a phased investigative study to determine the effectiveness of installing a groundwater monitoring well network.

**PORTOLA CLASS III MUNICIPAL SOLID WASTE LANDFILL, PORTOLA,**

**PLUMAS COUNTY.** The City of Portola owns a Class III municipal solid waste landfill in Portola, Plumas County. The site consists of one, closed, unlined waste management unit, a scrap metal storage area, and a green waste storage area. Landfill operations have impacted groundwater beneath and directly downgradient of the site. Three nearby private domestic supply wells located in a rural residential neighborhood approximately 1,500 feet southwest of the landfill may have also been impacted with VOCs from the landfill. The Discharger has closed the landfill with installation of a final cover system over the wastes as the preferred remedial alternative for the site. Waste Discharge Requirements for the landfill are being updated to require implementation of a corrective action and evaluation monitoring program, institute post-closure monitoring and maintenance, and to incorporate applicable provisions of Title 27, California Code of Regulations. Portola Landfill currently operates under Waste Discharge Requirements Order No. R5-2005-0048. Groundwater has been impacted by waste disposal activities. Three nearby domestic wells may have been impacted by pollution from the landfill. Order No. R5-2005-0048 is being revised to implement the proposed corrective actions.

**SACRAMENTO RENDERING COMPANIES, RANCHO CORDOVA RENDERING PLANT, SACRAMENTO COUNTY**

Sacramento Rendering Companies (SRC) owns and operates the SRC Rancho Cordova Rendering Plant, which generates and disposes of animal rendering process wastewater to land. The plant processes livestock carcasses, meat and poultry processing by-products, and grease from restaurants and other food services businesses. The process wastewater undergoes pretreatment through a dissolved air floatation unit, anaerobic treatment in eight unlined small and shallow lagoons, is stored in four unlined ponds, and is then used to irrigate the land application areas (LAAs) consisting of six fields totaling approximately 85 acres. Cattle and sheep are allowed to graze the LAAs. The WDRs are being revised to reflect facility and operational improvements that were implemented to comply with a Cease and Desist Order that was rescinded in 2014.

**SUTTER HOME WINERY, INC., SUTTER HOME WESTSIDE FACILITY,  
SAN JOAQUIN COUNTY**

Sutter Home Winery, Inc., owns and operates a winery approximately two miles west of Lodi. Process wastewater is conveyed to three lined wastewater ponds for aeration prior to discharge into approximately 111 acres of cropped Land Application Areas (LAAs).

Waste Discharge Requirements (WDRs) Order R5-2009-0073 regulates the discharge, allowing an annual flow of 30 million gallons per year (MGY). The Discharger is planning to increase wastewater flow to 70 MGY as a result of increasing wine production and recent construction of a bottling plant. The current crush production will increase from 100,000 to 200,000 tons annually. The Discharger has also acquired additional land and will increase the LAAs to encompass a total of 268 acres.

**THE WINE GROUP, INC., GOLDEN STATE VINTNERS D.B.A. FRANZIA-MCFARLAND  
WINERY, KERN COUNTY**

The Wine Group, Inc., owns and operates the Golden State Vintners d.b.a. Franzia-McFarland Winery in McFarland. The winery crushes, ferments, stores, and blends wine grapes in addition to producing high proof alcohol via distillation and discharges two separate waste streams. Discharge 001 is generated from winery activities, including cleaning and sanitizing wine tanks and equipment, cooling tower blowdown, and wine ion exchange regeneration and is applied to a 75-acre land application area. Discharge 002 is the waste stream generated by the distillation process (stillage waste) and is applied to a 20-acre land application area. No crops are grown in the land application areas. Solids generated at the winery consist of grape solid by-products from processing and are sold and hauled off-site.

Discharge from the winery is currently regulated by waste discharge requirements (WDRs) Order 91-040 that allows monthly average wastewater flows of up to 0.275 million gallons per day (mgd) for Discharge 001 and 0.150 mgd for Discharge 002. Based on self-monitoring data, additional land is needed for Discharge 002 to be at agronomic rates. The proposed WDRs limit Discharge 002 to flows commensurate with the size of the land application area to ensure that total nitrogen and BOD loadings are at agronomic rates. The WDRs also include a schedule that requires the Discharger to either comply with an electrical conductivity effluent limitation of source water plus 500 umhos/cm or demonstrate that exception from the EC effluent limitation is appropriate and to establish crops in the land application areas for nutrient uptake.

**FOLSOM DAM AUXILIARY SPILLWAY PROJECT, DREDGING OPERATION, SACRAMENTO COUNTY.** The Folsom Dam Auxiliary Spillway Project is part of the Folsom Dam Safety and Flood Damage Reduction Project, which is also referred to as the Joint Federal Project (JFP). The JFP is intended to provide increased flood protection and mitigate dam safety issues that may occur in the event of a Probable Maximum Flood event. A key construction element of the JFP is the excavation of the Approach Channel to the main spillway, which will require the excavation of approximately 400,000 cubic yards of material, including bedrock. Up to 150,000 cubic yards of this material is classified as dredged material, removed from below the mean high water mark. Pre-dredge analyses of sediments in the project area have been performed in order

to determine the anticipated sediment quality during dredging. In addition, fine grained material resulting from the blasting operations in the bedrock will be sampled and compared to the background sample analysis performed on sediments at the proposed placement area. Material that meets the discharge criteria outlined in this order will be authorized for placement. The removal, transport, and placement of dredge sediments are the primary components of the dredging process. These actions consist of excavation and removal of sediments from water bodies (i.e., dredging), and placement and/or reuse of these dredged materials in another location (i.e., placement). This dredging WDR Order directs the U.S. Army Corps of Engineers and the U.S. Bureau of Reclamation to dredge and place dredged material as described in the Report of Waste Discharge, and to follow the Monitoring and Reporting Program accompanying this Order.

### **REVISIONS TO THE WDRS FOR SACRAMENTO RIVER WATERSHED**

On 12 March 2014, the Central Valley Water Board adopted Waste Discharge Requirements for discharges from irrigated lands for growers that are Members of a third-party group within the Sacramento River Watershed (Order). On 23 April 2015, staff circulated a proposed revision to the Order. One additional change was released on 30 April 2015.

The Monitoring and Reporting Program is revised to allow the third party to participate in an Executive Officer approved Regional Monitoring Program (RMP) [such as the Delta RMP]. If the third-party elects to participate in a RMP, the third-party may submit a proposal to the Executive Officer for approval to reduce some elements of the surface water quality monitoring requirements and instead provide funding and/or in-kind support to an approved RMP.

The due date for the Comprehensive Groundwater Quality Management Plan (Comprehensive Management Plan) is proposed to be 60 days after the approval of the Groundwater Assessment Report (GAR), rather than one-year after the Notice of Applicability. The Comprehensive Management Plan development is dependent on the vulnerability designations that are determined as a part of the GAR and are subject to approval by the Executive Officer.

The comment deadline for the proposed revisions is 23 May 2015. Similar revisions for other Irrigated Lands Regulated Program orders were recently adopted by the Board, and no comments were submitted in opposition to the revisions. Staff does not anticipate receiving comments opposing the proposed revisions to the Sacramento River Watershed Order.

**WEST CENTRAL CLASS III MUNICIPAL SOLID WASTE LANDFILL AND CLASS II SURFACE IMPOUNDMENT, SHASTA COUNTY.** Shasta County owns the West Central Class III Municipal Solid Waste Landfill (West Central Landfill) near the community of Igo in Shasta County. The City of Redding manages day-to-day operations of the landfill under an agreement with Shasta County. Shasta County and the City of Redding are collectively referred to as Discharger. West Central Landfill has three waste management units (Units), including the Phase 1 Unit which closed in 1992, the currently operating Phase 2 Unit which is being developed in sub-Units, and the 450,000 gallon Class II surface impoundment (Unit 3) for storage and evaporation of leachate. Groundwater has been impacted in the vicinity of the landfill by waste disposal activities. The Discharger has proposed partial final closure of the Phase 2 Unit and construction and operation of an in-fill gas collection and control system in response to the groundwater impacts.

West Central Landfill currently operates under Waste Discharge Requirements Order R5-2005-0068. Groundwater has been impacted by waste disposal activities. Order R5-2005-0068 is being revised to implement the proposed corrective actions.
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RECOMMENDATION: Adopt the proposed waste discharge requirements.

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

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

**June 4/5, 2015**

Central Valley Regional Water Quality Control Board meeting

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670