17-18 FEBRUARY 2022 BOARD MEETING
UNCONTESTED AGENDA ITEM

AGENDA ITEM: 12

SUBJECT:

Following are proposed Waste Discharge Requirements Orders 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.

BOARD ACTION:

Consideration of Waste Discharge Requirements

a. Amador County Environmental Health Department, Amador County – Consideration of Resolution to Approve Revised Local Agency Management Program

BACKGROUND:

On 24 February 2017, the Central Valley Water Board approved a LAMP for Amador County. On 29 September 2021, Amador County Environmental Health Department (ACEHD) submitted a revised LAMP for the Board's approval. Board staff find that the LAMP is sufficient to meet objectives of the OWTS Policy and recommends approval.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements

b. Butte County Department of Public Works, Neal Road Class III Municipal Solid Waste Landfill, Butte County – Consideration of Revision of Waste Discharge Requirements Order R5-2011-0049-01

BACKGROUND:

Butte County (Discharger) owns and operates the Neal Road Class III Municipal Solid Waste Landfill (Facility) located about seven miles southeast of the city of Chico in Butte County. The Facility occupies approximately 190 acres of which 140 acres are utilized for waste

disposal and 10 acres are permitted for the processing and transfer of waste. There are two industrial groundwater supply wells within one mile of the Facility. One is the water supply well for the Facility, and the other is located at the inactive poultry ranch one half mile southwest of the Facility. No surface springs or other sources of groundwater supply have been observed. The Facility has been active since 1965 and was originally operated as a burn dump prior to conversion to a landfill in 1970. The Facility is being utilized for the disposal of municipal solid waste from residential and commercial sources from unincorporated Butte County, the cities of Biggs, Chico, Gridley, and Oroville, and the Town of Paradise.

The Facility includes five Class III waste management units. Referred to as Modules 1 through 5. Modules 1 and 3 are closed, unlined units covering approximately 49.5 acres. Module 2 (16.5 acres) is closed and has a clay liner and blanket type leachate collection and removal system (LCRS). Module 4 has a composite liner system, leakage detection system (LDS), and an integrated LCRS. Module 4 is still accepting waste. Portions of Module 5 have been excavated and constructed. Module 5, Phase A was constructed in the summer of 2017. Module 5, Phase B was constructed in the summers of 2018 and 2019, and extends into the area that previously housed the Facility's clean-closed supernatant pond. Module 5, Phase C was completed in 2020 in the area of the clean-closed septage pond. Completed phases of Module 5 are accepting waste. The Facility has a Class II surface impoundment with a LDS. The surface impoundment is used for leachate storage and an evaporation system is used to reduce leachate volume. Excess leachate is trucked off-site to the City of Chico Wastewater Treatment Plant. A septage transfer station was constructed onsite and began operating in 2019 and septage is trucked to Placer County Wastewater Treatment Plant.

The Facility has ten active groundwater monitoring wells, including two background wells, five point of compliance wells, and three corrective action wells. Vadose zone monitoring is provided by four suction lysimeters and a pan lysimeter. The current landfill gas collection and control system is comprised of 57 vertical gas extraction wells, 10 vadose zone collection wells, 8 horizontal gas collection wells, and 14 perimeter gas probes. In 1993, volatile organic compounds (VOCs) were

detected in the vadose zone and inorganic parameter concentrations in downgradient wells were found to exceed background-based concentration limits. The Discharger implemented barrier layers as corrective action in 1996, while in August 2000, staff directed the Discharger to implement closure of Modules 1 through 3, which was completed in 2007. Following completion of closure of Modules 1 through 3, VOC and inorganic parameter concentrations have stabilized or decreased.

This Order updates the WDRs for the Facility as part of a periodic review, to incorporate revisions to regulations and policies adopted thereunder, and for continued monitoring of the Facility.

ISSUES:

A tentative Order was issued for public comment on 2 November 2021 with comments due by 20 December 2021. The Central Valley Regional Water Quality Control Board did not receive any comments during the comment period.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements

c. City of Atwater; Bert Crane Road Landfill, Merced County – Revising WDRs 5-01-096

BACKGROUND:

The City of Atwater, hereinafter referred to “Discharger”, owns and maintains the Bert Crane Road Landfill (Facility). The Facility is located approximately five miles south of City of Atwater in Merced County. On 27 April 2001, the Central Valley Water Board adopted WDRs Order 5-01-096 for post-closure maintenance of the Facility. This Order updates the WDRs for the Facility, as part of an administrative policy of periodic review, to incorporate revisions to regulations and policies adopted thereunder, for continued post-closure maintenance and to set a time schedule for the completion of an Evaluation Monitoring Program, the submittal of an Engineering Feasibility Study, and the establishment of a Corrective Action Program.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements

d. City of Redding, Redding Power Plant, Shasta County – Consideration of Revision of Waste Discharge Requirements Order 94-267

BACKGROUND:

WDRs Order 94-267, adopted by the Central Valley Water Board on 16 September 1994, prescribes requirements for discharges associated with a 185-megawatt natural gas-fired power plant. The Facility employs the use of five gas turbines and one steam turbine to generate power for the City of Redding. The current WDRs are due for an update, therefore, Order 94-267 will be rescinded and replaced with this order.

Wastewater generated at the Facility includes cooling tower and boiler blowdown, reverse osmosis wastewater, and floor drain water.

The Facility is currently permitted to discharge up to 162,720 gallons per day (GPD) to the percolation pond with an average daily flow from 2015-2019 of 55,759 GPD.

ISSUES:

A tentative Order was issued for public comment on 20 December 2021 with comments due by 17 January 2022. The Central Valley Regional Water Quality Control Board did not receive any comments during the comment period.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements

e. County of Madera, Fairmead Landfill, Madera County – Revising WDRs R5-2015-0052

BACKGROUND:

Madera County, hereinafter referred to “Discharger”, owns and operates the Fairmead Landfill (Facility). The Facility is located approximately 5 miles southeast of the City of Chowchilla in Madera County. On 17 April 2015, the Central Valley Water Board adopted WDRs Order R5-2015-0052 to regulate the construction, monitoring, operation, and corrective

action of the Class III Facility. This Order updates the WDRs for the Facility's existing and planned waste management units, as part of an administrative policy of periodic review, to incorporate revisions to regulations and policies adopted thereunder, for continued operation and maintenance.

Written comments were received from Tetra Tech (on behalf of the county of Madera) on 4 January 2022. The tentative WDRs have been updated to incorporate the comments as received where appropriate.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements

f. Eriksson, LLC, Ingleby US Pistachio Plant, Fresno County

BACKGROUND:

On 22 May 2017, Eriksson, LLC (hereafter Discharger), submitted a Report of Waste Discharge (RWD) for discharge of process wastewater to land from a new Pistachio Processing Plant (Facility) near Riverdale in Fresno County. The Facility hulls, dries, and stores pistachio nuts from neighboring orchards. This Facility has not previously been regulated by waste discharge requirements (WDRs).

Process wastewater at the Facility consists of hulling water and equipment washdown generated during the pistachio harvest between mid-August and October. Pistachios brought in from the fields are pre-cleaned and processed to remove the hulls. Process wastewater is collected in a concrete vault and screened to remove solids. The screened wastewater is then discharged to a lined settling pond, which provides equalization and blending prior to discharge into the farms irrigation system where the wastewater is applied to about 930 acres of farmland owned by the Discharger. Screened solids are segregated and combined with the green waste and applied as a soil amendment on the surrounding pistachio orchards owned by the Discharger.

The proposed Order sets a maximum daily flow limit of 1.5 million gallons per day (mgd), and an annual flow limit of 33.8 million gallons per year on the discharge of unblended wastewater to the lined settling pond. Furthermore, the proposed Order sets a performance-based effluent EC limit of 2,600 µmhos/cm (calculated as a seasonal average) on the discharge of blended wastewater and irrigation water leaving the

lined settling pond, sets a cycle average BOD loading limit of 100 lbs/acre/day; and requires application of blended wastewater and irrigation water to be at agronomic rates. In addition, the Order requires the Discharger to remain in compliance with the new Salt and Nitrate Control Programs. Comments were received from Craig Hartman with Hartman Engineering on behalf of the Discharger and were addressed.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements.

g. Port of Stockton, Denmar Natural Soda Ash Export Terminal Project, San Joaquin County – Consideration of Waste Discharge Requirements (WDID#5B39CR00357)

BACKGROUND:

A Waste Discharge Requirements Order (Order) is proposed for the Port of Stockton, Denmar Natural Soda Ash Export Terminal Project (Project) in San Joaquin County. The 101-acre Project will remediate soils to address historical contamination areas within the site and develop a soda ash export terminal. Several wetland areas are in and near contaminated areas that will require remediation of hazardous substances in soils through excavation or capping. The Project will permanently impact 21.33 acres of waters of the state.

The proposed Order provides details of the proposed Project activities, including completed compensatory mitigation to compensate for the permanent loss of waters of the state and requiring avoidance and minimization measures to reduce on-site impacts during construction activities. The proposed Order describes technical conditions required to be met throughout the implementation of construction activities that allow for activities to meet Basin Plan objectives.

The tentative Order was issued for a 30-day public comment period on 11 August 2021 with comments due by 10 September 2021. No comments were received. Some changes have been made to the proposed Order to incorporate and reference an approved compensatory mitigation plan submitted by the Discharger. The changes provide clarification of the approved mitigation strategy and requirements and are shown in a Staff Revisions document included in the agenda package.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements.

h. Stromer Realty, Stromer Oak Valley Site Project, Butte County – Consideration of New Waste Discharge Requirements

BACKGROUND:

A Waste Discharge Requirements Order (Order) is proposed for the Stromer Realty, Stromer – Oak Valley Site Project (Project) in Butte County. The Project consists of the development of medium-high density multi-family residential housing on a 11.21-acre site in the City of Chico. The proposed Project is a 204-unit family housing new construction project that will target families earning up to 30-60% of the area median income for Butte County. The entire Project site will be graded and filled as necessary to allow for construction, with the exception of a 0.032-acre vernal swale which will be avoided. Fill activities will impact 0.080 acre of vernal swale and 0.013 acre of vernal pool. Preparation of the Project site will involve clearing, grading, excavation and soil compaction for the construction of roads, driveways and structural foundations for multi-family residential construction. Development of the site will require the installation of associated infrastructure and connection to existing utilities in the immediate area including water, sewage, storm water, and electrical.

The Permittee, Stromer Realty, has agreed to provide compensatory mitigation for permanent impacts to waters of the state at a 1:1 ratio (1 acre of mitigation credits required for every 1 acre of impacted aquatic resources) for vernal swale impacts and at a 2:1 ratio (2 acres of mitigation credits required for every 1 acre of impacted aquatic resources) for vernal pool impacts.

The proposed Order provides a description of the Project activities and requires adherence to the requirements in the mitigation monitoring and reporting program, including compensatory mitigation for impacts that cannot be feasibly avoided or minimized; implementation of the approved compensatory mitigation plan; and other requirements to minimize the potential effects of construction on water quality and resources.

ISSUES:

A tentative Order was issued for public comment on 10 December 2021 with comments due by 17 January 2022. The Central Valley Regional

Water Quality Control Board did not receive any comments during the comment period.

RECOMMENDATION:

Adopt the proposed Waste Discharge Requirements.

REVIEWS:

Management Review:	Various
Legal Review:	Various

BOARD MEETING LOCATION:

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

☒ ***Internet Zoom Meeting***