

**18/19 FEBRUARY 2021 BOARD MEETING
UNCONTESTED AGENDA ITEM**

AGENDA ITEM: 11

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

BACKGROUND:

a. California Department of Transportation, State Route 120/McKinley Avenue Interchange Project, San Joaquin County – Consideration of New Order

A Waste Discharge Requirements Order (Order) is proposed for the California Department of Transportation (Permittee), State Route 120/McKinley Avenue Interchange Project (Project) in San Joaquin County. The 109-acre Project will construct a new interchange on SR-120 at McKinley Avenue and provide improvements to McKinley Avenue and SR-120. The interchange will be a spread diamond interchange that includes westbound and eastbound on- and off-ramps. Improvements include developing seven lanes under SR-120, and addition of turning lanes, and a bike lane/pedestrian walkway.

The proposed Order provides details of the proposed Project activities, including compensatory mitigation measures planned 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 10 December 2020 with comments due by 11 January 2021. No comments were received.

b. County of Tulare, Visalia Disposal Site, Tulare County – Consideration of Revision to Order R5-2013-0059

The County of Tulare, hereinafter referred to “Discharger”, owns and operates the Visalia Disposal Site (Facility), which has also been referred to as the Visalia Municipal Solid Waste Landfill. The Facility is located approximately seven miles northwest of the City of Visalia in Tulare County. On 31 May 2013, the Central Valley Water Boards adopted WDRs Order R5-2013-0059, which incorporated the applicable provisions of Title 27 and the California Water Code. This Order continues such classifications. 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 operation, construction, post-closure maintenance, and corrective action.

The Facility is situated on a 631-acre property comprised of Assessor’s Parcel Numbers (APNs) 925-000-375-000, 077-020-021-000, 077-020-024-000, 077-020-026-000, 077-020-030-000. The Facility consists of one closed, unlined Waste Management Unit (WMU) covering 127 acres and one active, lined WMU covering 115 acres. The Facility released waste constituents to groundwater and maintains a corrective action program, which consists of a groundwater extraction and treatment system along the western edge of the Facility and in-situ bioremediation along the southern edge.

c. El Dorado County Environmental Management Department, Union Mine Septage/Leachate Treatment Facility, El Dorado County – Consideration of Amended Waste Discharge Requirements to Order R5-2006-0019-001

Union Mine Septage/Leachate Treatment Facility is regulated under WDRs R5-2006-0019. On 28 August 2020, the El Dorado County (Discharger) submitted a request to increase the influent flow limit from 16,000 gpd to 20,000 gpd as a monthly average (within permitted treatment capacity of 22,000 gpd). The Discharger owns and operates

the Facility, which receives Class II leachate generated from the Union Mine Landfill, condensate generated during extraction of landfill gas, and septage and portable toilet wastewater generated throughout El Dorado County. Union Mine Landfill (including the Class II surface impoundment for leachate) is regulated under Title 27 WDRs Order R5-2018-0048.

The Facility consists of a screen and grit removal system, two aerobic digesters, two sludge dewatering centrifuges, a disinfection system (with sodium hypochlorite), two two-million gallon above ground effluent storage tanks, and 3.6-acres land application areas (LAAs). After treatment, the effluent is discharged to either the on-site LAAs via sprinklers or sent for further treatment to the El Dorado Irrigation District (EID) Deer Creek WWTP, which is regulated under Municipal General NPDES Order R5-2017-0085-006, and allows discharge up to 3.6 MGD (as an average dry weather flow) of treated wastewater to surface water.

Under the existing Industrial Discharge Permit with EID, 144,000 gpd (annual flow limit of 52 MG) of effluent can be pumped to the Deer Creek WWTP. The Deer Creek WWTP has a permitted flow limit of 3.6 MGD to surface water. From 2012 through 2019, an average of 2.35 MG (with a maximum of 5.82MG) was sent to EID annually, which is well under the permitted annual flow limit of 52 MG.

Recently, the Discharger has reached the permitted monthly average influent flow rate limit of 16,000 gpd under the WDRs R5-2006-0019, requiring them to shut down the septage receiving station for the remainder of the month in order to ensure compliance with the permit and maintain allowable average daily flows.

Planned Changes:

- The WDRs will be amended to increase the influent flow limit from 16,000 gpd to 20,000 gpd as a monthly average. However, the Discharger may submit a request to the Executive Officer, and upon approval, the Executive Officer may authorize increasing the flow limit up to the disposal capacity of 22,000 gpd. The Discharger is not requesting an increase in on-site discharge because any excess flow will continue to be sent to EID Deer Creek WWTP. Therefore, the discharge to the LAAs remains the same.

- Some findings in the WDRs will be amended with the current practices
- Technical reports required in the Provisions will be deleted because the discharger has completed all tasks.
- Current CV-Salts language will be added to the amended WDRs, however response to recent Water Board requirements will be addressed outside of the WDRs.
- No issues have identified regarding the request for flow limit increase. Because there is no change in the nature of the discharge.

The Discharger submitted a comment letter that reflected minor editorial changes. There are no issues associated with the requested changes.

d. Glen Springs Holding Company, Occidental Petroleum Company, Groundwater Remediation Project, Lathrop Facility, San Joaquin County – Consideration of Revisions to Order R5-2012-0106

Glenn Springs Holdings Inc. (GSHI) operates 22 groundwater extraction wells and treatment systems at the Former Best Fertilizer Company site (Site), which is located at 16777 Howland Road in Lathrop, San Joaquin County. The remediation system is operated under a WDRs Order. In May 2019, GSHI submitted a Report of Waste Discharge (ROWD) proposing modifications and updates to the WDRs. The ROWD reflects the proposed and ongoing modifications of Site’s groundwater remediation project, which includes the expansion of the groundwater extraction and treatment system. This Order prescribes revised WDRs for the injection (discharge) of extracted and treated groundwater and non-waste amendments in connection with the ongoing groundwater remediation project. All agencies and the dischargers concur or have offered no comments.

e. Lassen Regional Solid Waste Management Authority, Westwood Class III Municipal Solid Waste Landfill, Lassen County – Consideration of Revisions to Order R5-2004-0042

Lassen Regional Solid Waste Management Authority (Discharger) owns and operates the Westwood Class III Municipal Solid Waste (MSW)

Landfill (Facility) located about one mile west of the town of Westwood, Lassen County. The Facility covers approximately 40 acres of which approximately 9 acres are associated with landfill activities, including the waste management unit (WMU), Facility operations and roads. There are no municipal, domestic, industrial, or agricultural groundwater supply wells within one mile of the Facility. No surface springs or other sources of groundwater supply have been observed. The Facility has been active since 1972 and is being utilized for disposal of MSW from western Lassen County, including Westwood, Clear Creek, and the surrounding areas. Historically, the disposal method was a modified trench/area fill method of waste disposal with waste extending to approximately 10 feet below grade and compacted to a height of 10 feet above grade. In recent years, the disposal method was changed to an area fill process.

The Facility's single WMU accepts MSW and construction/demolition debris only during the dry season, from April through October, and only on the first Wednesday of the month. Green waste is accepted at the landfill unit year-round and is ground up for use as alternative daily cover (ADC). The western-facing portion of the WMU remains active, while the rest of the WMU is inactive and buried beneath an interim cover layer. The WMU is unlined as it predates the requirements set forth under Title 27, section 20080, subsection (d) established in 1984. The WMU does not have a leachate collection and removal system. The groundwater monitoring network consists of three groundwater monitoring wells installed within fractured basalt. Groundwater samples collected from the Facility's monitoring network have not found a statistically significant indication that groundwater has been impacted by landfill operations. The Facility's transfer station began operation in 2008 and receives MSW, scrap metal, tires and recyclables. Waste bins are taken from the transfer station to Bass Hill Landfill in Susanville.

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. There are no issues associated with the requested changes. The tentative Order was issued for a 30-day public comment period on 9 December 2020 with comments due by 9 January 2021. No comments were received. We are not aware of any unresolved issues.

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