

13 AUGUST 2021 BOARD MEETING UNCONTESTED AGENDA ITEM

AGENDA ITEM: 13

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 American Water, Dunnigan Wastewater Treatment Facility, Yolo

California American Water owns and operates the Dunnigan Wastewater Treatment Facility located at 5011 County Road 7, Dunnigan in Yolo County. The Facility has been operating since 1974 and has been regulated under Order R5-2010-0013, adopted by the Central Valley Water Board on 29 January 2010.

Wastewater is generated from residential users at a mobile home park, RV park, and from commercial properties, that include a gas station and two fast-food restaurants. A coffeehouse is being constructed and an approximately 80-room hotel is planned at the commercial property. The commercial property is not fully developed, and future plans could include a truck wash facility to complete a full built out of the property.

The collection system is comprised of gravity sewer piping, a main lift station, and a force main to convey wastewater to the Facility. At the time Order R5-2010-0013 was adopted, the Facility consisted of four unlined ponds that operated as individual treatment and disposal ponds. Since 2020, the ponds have since been reconfigured to operate as a traditional facultative pond system, consisting of two HDPE lined treatment ponds that are operated in series and two disposal ponds that may be operated in tandem or alternating. The Facility has a treatment and disposal capacity of approximately 28,000 gpd as an average daily dry weather flow.

Groundwater has been monitored at the site since 2007. Groundwater elevation data show a steady declining trend. Groundwater quality data indicate that discharges to land have not impacted groundwater beyond existing conditions. For the continued protection of groundwater, this Order requires continued monitoring of groundwater and sets groundwater and effluent limitations.

There are no outstanding issues.

b. Jamestown Sanitary District, Jamestown Wastewater Treatment Facilities, Tuolumne County

The Jamestown Sanitary District (JSD or Discharger) has significantly modified its existing Woods Creek Wastewater Treatment Facility (WWTF) and constructed a new Quartz WWTF about a mile from the former WWTF. The two facilities are now collectively referred to as the Jamestown Wastewater Treatment Facilities. The Woods Creek Facility contains the previous headworks, a new grit removal system, and a new influent pump station to deliver untreated domestic wastewater to the Quartz WWTF. An existing equalization basin and the existing sludge storage lagoon were re-lined with high-density polyethylene (HDPE) and converted into two emergency storage basins. The existing force main will be used to convey wastewater from the influent pump station to the new JSD Quartz WWTF.

The Quartz WWTF system will consist of a secondary package biological treatment system. From the secondary package system, wastewater will either be disinfected using sodium hypochlorite in a secondary chlorine contact tank prior to being reclaimed (at the Quartz Reservoir) or receive tertiary treatment via a cloth media filtration and then disinfection by sodium hypochlorite in a tertiary chlorine contact tank prior to being reclaimed. The JSD will operate a 10,360 square foot composting facility at the Quartz WWTF property. It is anticipated to generate 125 to 250 tons of solids annually. Dewatered sludge or cake will be mixed with yard waste and formed into windrows.

Secondary treated wastewater will continue to be discharged to the Tuolumne Utilities District's (TUD) Wastewater Reclamation System that is regulated by WDRs and Master Reclamation Permit Order R5-2002-0202. The JSD also proposes to reuse disinfected tertiary-treated effluent for various uses including a recycled water fill station, onsite washdown water, and irrigation of landscaping at the Quartz WWTF.

The tentative WDRs specify influent flow limitations (including an annual average flow limitation of 0.29 million gallons per day). The tentative WDRs also specify effluent limitations for both the Quartz WWTF's disinfected secondary-treated and tertiary-treated discharges, including an annual average nitrate (as N) effluent limitation of 10 mg/L. The tentative WDRs also prescribe groundwater limitations that ensure the discharge does not affect present and anticipated future beneficial uses of groundwater. The tentative WDRs and Monitoring and Reporting Program (MRP) require the Discharger to sample and monitor the quantity and quality of both its secondary-treated and tertiary-treated domestic effluent and submit the results in quarterly and annual monitoring reports.

For the Salt Control Program, the Discharger was issued a Notice to Comply (CV-SALTS ID: 2155) with instructions and obligations for the Salt Control Program on 5 January 2021. The District has indicated it will pursue permitting under Option 2 and will participate in the Priority and Optimization Study for the region.

Comments were received from the Discharger on 19 July 2021. The Discharger's comments include editorial changes, requests to add additional information to the tentative WDRs, and requests for changes in the monitoring requirements specified in the tentative MRP. The Response to Comments summarizes staff's response to the Discharger's comments as well as the changes made to the tentative WDRs and MRP.

c. Lotusland Investment Holdings, Inc., Guenoc Ranch Tiers 2 and 3 Roads Project, Lake County

A Waste Discharge Requirements Order (Order) is proposed for the Lotusland Investment Holdings, Inc. (Permittee), Guenoc Ranch Tiers 2 and 3 Roads Project (Project) in Lake County. The approximately 9.66-acre Project consists of constructing new roadways and crossing improvements including new culverts, road widening and re-alignments, new roadway connections, rip-rap, grading and temporary staging areas and vegetation removal within the Guenoc Ranch area. The Project will temporarily impact 0.44 acre and permanently impact 0.12 acre of waters of the State.

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 requirements.

The tentative Order was issued for a 30-day public comment period on 22 June 2021 with comments due by 25 July 2021. No comments were received.

d. Old Durham Wood Company, Old Durham Wood Expansion and Farm Road Improvement Project, Butte County

A Waste Discharge Requirements Order (Order) is proposed for the Old Durham Wood Company, Old Durham Wood Expansion and Farm Road Improvement Project (Project) in Butte County. The Project consists of the development of the remaining 8.3-acre area of the 63.9-acre expansion area adjacent to the existing Old Durham Wood facility to the north, as well as completed and proposed farm road improvements in the area south of the existing Old Durham Wood facility. The Project would expand the current facility boundary to include an additional 63.9 acres for total site acreage of 126.7 acres. The expansion includes leveling of the proposed expansion area, constructing a perimeter berm, and developing the site with internal roadways, building, and infrastructure. In addition to the facility expansion, the Project includes completed and proposed improvements to an existing agricultural road south of the existing Old Durham Wood facility. The agricultural road expansion and improvements are proposed to allow access to the stormwater outfall and filtration area for the facility. Activities to improve a portion of the road already occurred during the summer of 2020 due to a miscommunication

with the contractor. Improvement of an additional 4,430 linear feet of road is proposed.

The Permittee, Old Durham Wood Company, 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 ephemeral stream channel, vernal swale, and seasonal 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 22 June 2021 with comments due by 23 July 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.

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