

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

AGENDA ITEM: 10

SUBJECT:

The following is a proposed permit for consideration of adoption. All agencies and dischargers concur or have offered no comments

BOARD ACTION:

Consideration of NPDES Permit Renewals, Amendments and New

BACKGROUND:

- a. Aerojet Rocketdyne Inc., Groundwater Extraction and Treatment Systems, ARGET, GET EF, GET HA, GET AB, GET J, GET AB, GET KA, White Rock GET, Sailor Bar GET, Golden State Water Wells and Low Threat Discharges, Sacramento County – Consideration of Revisions to (NPDES Permit CA0083861)**

Aerojet Rocketdyne Inc. (Aerojet), operates 13 groundwater extraction and treatment systems in eastern Sacramento County. Ten of them operate under an NPDES permit. During a recent revision of the permit in October 2020, there were several items that were not intended to be changed but were incorrectly transferred during the translation to the new NPDES template format and converting the permit to an ADA-compliant version. Most of these errors were in the tables for effluent limitations and monitoring. The proposed amendments restore the incorrectly revised permit items to what was in the previous version of the permit.

A tentative Order was issued for public comment on 15 December 2020, with comments due by 15 January 2021. No comments were received.

- b. City of Manteca, University of California, Wastewater Quality Control Facility, San Joaquin County > – Consideration of Renewal (NPDES Permit CA0081558)**

The City of Manteca is the owner and operator of the Wastewater Quality Control Facility (Facility), a publicly owned treatment works located at 2450 West Yosemite Avenue, Manteca, California. The Facility provides sewerage services for the City of Manteca and portions

of the City of Lathrop, serving a population of approximately 97,000. The Facility provides tertiary treatment for up to an average dry weather flow of 9.87 million gallons per day (MGD). Tertiary-treated wastewater from the Facility is discharged to the San Joaquin River, within the Sacramento-San Joaquin Delta, a water of the United States.

Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5-2015-0026, issued by the Central Valley Regional Water Quality Control Board on 17 April 2015. An Order is proposed to renew the NPDES permit. The proposed permit includes new or updated effluent limitations for biochemical oxygen demand, total suspended solids, pH, and total ammonia (as nitrogen).

The tentative Order was issued for a 30-day public comment period on 29 October 2020 with comments due on 27 November 2020. Comments were received from the Discharger and the Central Valley Clean Water Association. Changes have been made to the tentative Order to address the public comments.

c. City of Rio Vista, Northwest Wastewater Treatment Facility, Solano County – Consideration of Renewal (NPDES Permit CA0083771)

The City of Rio Vista is the owner of the Northwest Wastewater Treatment Facility (Facility), a publicly owned treatment works located at 3000 Airport Road, Rio Vista, California. Veolia Water North American – West, LLC is the Facility operator. The Facility provides sewerage services for a small development northwest of the City of Rio Vista, serving a population of approximately 6,000. The Facility provides secondary treatment for up to an average dry weather flow of 1.0 million gallons per day (MGD). Secondary-treated wastewater from the Facility is discharged to the Sacramento River, a water of the United States, within the Sacramento-San Joaquin Delta. Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5-2015-0141, issued by the Central Valley Regional Water Quality Control Board on 11 December 2015. An Order is proposed to renew the NPDES permit. The proposed permit includes updated effluent limitations for electrical conductivity and ammonia.

The tentative Order was issued for a 30-day public comment period on 3 December 2020 with comments due by 4 January 2021. Comments were received from the Discharger. The proposed NPDES permit has been modified to address the comments; details are provided in the Staff Response to Comments document included in the agenda package.

d. City of Turlock, Regional Water Quality Control Facility, Stanislaus County – Consideration of Renewal (NPDES Permit CA0078948)

The City of Turlock (Discharger) is the owner and operator of the City of Turlock Regional Water Quality Control Facility (Facility), a publicly owned treatment works located at 901 S. Walnut Road, Turlock, California. The Facility provides sewerage services for the City of Turlock and the community service districts of Denair and Keyes, and receives up to 2 million gallons per day (MGD) of primary treated effluent from the City of Ceres. The Facility serves a population of approximately 91,000. The Facility provides tertiary treatment for up to 20 MGD. Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5-2015-0027-01 (NPDES No. CA0078948), which permits the discharge of up to 20 MGD of tertiary treated wastewater to the San Joaquin River, a water of the United States. The United States Environmental Protection Agency and the Central Valley Water Board (Central Valley Water Board) have classified this discharge as a major discharge. The Discharger's main means of disposal is through a joint outfall with the City of Modesto to the Delta Mendota Canal, which is regulated separately under Waste Discharge Requirements Order R5-2016-0010 (NPDES No. CA 0085316).

The proposed renewal of NPDES Permit No. CA 0078948 allows for tertiary-treated, disinfected wastewater from the Facility to be discharged to the San Joaquin River on a temporary, as needed basis. The proposed NPDES Permit renewal also allows for the discharge of tertiary-treated, disinfected wastewater from the Facility to be discharged to the Turlock Irrigation District (TID) Upper Lateral 4 to supply recycled water to augment irrigation supplies when there is demand within the TID service area from agricultural users within TID's canal system during the irrigation season (1 March through 31 October) and is limited to a maximum of 2,033 acre-feet annually. The proposed NPDES Permit renewal includes new or revised effluent limitations for ammonia, chlorodibromomethane, dichlorobromomethane, and nitrate plus nitrite. Additionally, effluent limitations for aluminum and bis(2-ethylhexyl) phthalate have been removed because the discharge does not demonstrate reasonable potential to cause or contribute to an instream exceedance of the applicable water quality objectives.

The tentative Order was issued for a 30-day public comment period on 20 November 2020 with comments due by 22 December 2020. Comments were received from the Discharger. The proposed NPDES

permit has been modified to address the comments; details are provided in the Staff Response to Comments document included in the agenda package.

e. Lincoln Center Environmental Remediation Trust, Groundwater Treatment System, San Joaquin County – Consideration of Renewal (NPDES Permit CA0084255)

The Lincoln Center Environmental Remediation Trust (hereinafter Discharger) is the owner and Geosyntec Consultants is the operator of the Lincoln Center Environmental Remediation Trust Groundwater Treatment System (hereinafter Facility), a groundwater extraction and treatment system.

The Facility discharges wastewater to Fourteen Mile Slough, a water of the United States within the Sacramento-San Joaquin Delta. The Discharger is currently regulated by Order R5-2016-0002 and National Pollutant Discharge Elimination System (NPDES) Permit No CA0084255 adopted on 18 February 2016, with an expiration date of 31 March 2021. An Order is proposed to renew the NPDES permit. The proposed Order includes updated effluent limitations for arsenic and barium.

The tentative Order was issued for a 30-day public comment period on 11 December 2020 with comments due by 11 January 2021. Comments were received from the Discharger. The proposed NPDES permit has been modified to address the comments; details are provided in the Staff Response to Comments document included in the agenda package.

f. Regents, University of California, University of California, Davis Wastewater Treatment Plant, Solano and Yolo Counties – Consideration Renewal (NPDES Permit CA0077895)

The Regents, University of California (Discharger) is the owner and the University of California, Davis is the operator of the University of California, Davis Wastewater Treatment Plant (Facility), a publicly owned treatment works located at 561 Trotter Way, Davis, California. The Facility provides sewerage services for the University of California, Davis and serves a campus population of approximately 48,000. The Facility provides tertiary treatment for up to 3.6 million gallons per day (MGD). Tertiary-treated, disinfected wastewater from the Facility is either discharged to the South Fork of Putah Creek, a water of the United States and tributary to the Sacramento River, or to the Arboretum

Waterway, a water of the state and tributary to the South Fork of Putah Creek.

Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5 2014 0152 adopted by the Central Valley Regional Water Quality Control Board on 5 December 2014. An Order is proposed to renew the NPDES permit. The proposed Order includes a new effluent limitation for nitrate plus nitrite. The proposed Order removes effluent limitations for total residual chlorine because chlorine is no longer used at the Facility and removes the maximum daily effluent limits and mass-based limits for biochemical oxygen demand and total suspended solids because concentration-based monthly and weekly effluent limits remain and retaining the mass limits are not necessary to protect the beneficial uses of the receiving waters. The discharge exhibited reasonable potential for chronic toxicity; therefore, the Discharger requested a compliance schedule in the permit to allow time to study and remedy the cause of the toxicity. The Discharger has until 1 April 2028 before the final effluent limit for chronic toxicity goes into effect.

The tentative Order was issued for a 30-day public comment period on 22 October 2020 with comments due by 23 November 2020. No comments were received. Staff noticed an error to the calculation of ammonia effluent limits contained in the tentative Order. The error has been corrected and the proposed Order includes the correct ammonia effluent limits. The Discharger is in agreement with the corrected limits.

RECOMMENDATION:

Adopt the NPDES Permits

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