

**10 AUGUST 2023 BOARD MEETING
UNCONTESTED AGENDA ITEM**

AGENDA ITEM: 11

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 Renewal.

BACKGROUND:

a. CITY OF STOCKTON REGIONAL WASTEWATER CONTROL FACILITY, SAN JOAQUIN COUNTY

The City of Stockton (Discharger) is the owner of the Regional Wastewater Control Facility (Facility), located at 2500 Navy Drive, Stockton, CA 95206. The Discharger provides sewerage service for the City of Stockton, Port of Stockton, and surrounding unincorporated areas of San Joaquin County, and serves a population of approximately 350,000. Sources of wastewater in the service area are primarily domestic, but also include both commercial and industrial connections. Up to 55 million gallons per day of tertiary treated effluent is discharged to the San Joaquin River, a water of the United States and within the legal boundary of the Sacramento-San Joaquin Delta.

The current Facility is under construction for major upgrades, expected to be substantially complete in late 2023. The Discharger is re-instating an old outfall on the east bank of the San Joaquin River (East-Bank Outfall) which will replace the current outfall located on the west bank of the river (West-Bank Outfall).

Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5-2020-0007 (NPDES Permit), issued by the Central Valley Regional Water Quality Control Board on 20 February 2020. An Order is proposed to amend the NPDES permit to include the upgraded Facility's new East-Bank Outfall and minor updates to monitoring location descriptions.

The Tentative Order was issued for a 30-day public comment period on 9 June 2023 with comments due by 10 July 2023. Comments were received from the City of Stockton, requesting minor changes to allow for commissioning of the new East-Bank Outfall prior to completion of the project. All other interested persons and agencies concur or have offered no comments.

b. TEHAMA COUNTY SANITATION DISTRICT NO. 1, MINERAL WASTEWATER TREATMENT PLANT, TEHAMA COUNTY

The Discharger owns and operates a wastewater treatment plant in the community of Mineral, Tehama County. The discharge is currently regulated pursuant to Waste Discharge Requirements Order R5 2015-0073. This is a minor NPDES discharge.

The treatment system at the Facility consists of a preliminary influent bar screen, aeration basin, two evaporation/percolation ponds, pressure filter, chlorine disinfection and dichlorination unit. The design average dry weather flow capacity is 0.070 mgd and the wet weather hydraulic design treatment capacity is 0.75 mgd. During periods of discharge to South Fork of Battle Creek, wastewater is additionally treated by filtration (multi-media pressure filter), disinfected (chlorine disinfection unit), and de-chlorinated prior to discharge to surface waters. The design filter loading rate is 0.576 mgd (400 gallons per minute). No chemicals are added to aid filtration. The multi-media filtration, chlorination, and dichlorination units only operate during periods of discharge to the South Fork of Battle Creek.

Between November 15 and April 15, wastewater may be discharged to South Fork Battle Creek, but only when the creek flow is 35 cubic feet per second or more. Additionally, discharge to the South Fork Battle Creek is prohibited from April 16 to November 14, unless approved by the Central Valley Water Board.

Historically, discharge to South Fork Battle Creek has been infrequent. Typically, large snowmelt runoff in the spring is associated with discharge events. Discharge events occur at the same time the flow in South Fork Battle Creek is high from snowmelt in the hydrologic basin. The Facility has not discharged to South Fork Battle Creek during the term of Order R5-2015-0073 except for two simulated discharge events to collect water quality samples for wastewater characterization purposes.

The proposed order contains effluent limitations for pH, total chlorine residual, BOD, TSS, total coliform, acute toxicity, diazinon and chlorpyrifos. Priority pollutant sampling is required during the permit term if a discharge to the receiving water occurs. If discharge to the receiving water occurs, the effluent data collected will be meaningful, a Reasonable Potential Analysis will be conducted, and effluent limitations will be established in the future as required.

RECOMMENDATION:

Adopt the NPDES Permit.

REVIEWS:

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| Management Review: | |
| Legal Review: | |

BOARD MEETING LOCATION:

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

AND VIA VIDEO AND TELECONFERENCE