

**10 December 2020 BOARD MEETING
UNCONTESTED AGENDA ITEM**

AGENDA ITEM: 9

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 SHASTA LAKE, SHASTA LAKE WASTEWATER
TREATMENT FACILITY, SHASTA COUNTY**

The City of Shasta Lake (Discharger) owns and operates the Shasta Lake Wastewater Treatment Facility (Facility) and discharges up to 1.3 million gallons per day (average dry weather flow) of treated wastewater into Churn Creek, a water of the United States. The treatment system consists of screening, activated sludge biological treatment, secondary clarification, cloth media filtration, and UV disinfection. The discharge of wastewater from the Facility is regulated under existing Waste Discharge Requirements (WDRs) Order R5-2014-0052-02 and National Pollutant Discharge Elimination System (NPDES) Permit No. CA0079511.

The Discharger has completed upgrades to the Facility to come into compliance with permit conditions and effluent limitations originally contained in WDRs Order R5-2014-0052. Upgrades to the Facility include new screened raw sewage pump station, aeration basins replacing oxidation ditch, additional clarifier, cloth filters replacing traveling bridge filters, ultraviolet (UV) disinfection replacing chlorine disinfection, additional equalization volume and a new sludge drying bed. WDRs Order R5-2014-0052 has been amended twice. Upon completion of the UV disinfection system, the first permit amendment (WDRs Order R5-2014-0052-01) added UV specifications and remove total chlorine residual effluent limitations. Upon full completion of Facility upgrades, the second permit amendment (WDRs Order R5-2014-0052-02) removed seasonal discharge prohibitions and added supporting antidegradation language for the increase in volume of the discharge.

This second permit amendment was adopted in August 2020 and allowed the Facility to begin discharging during the late summer months; this was previously prohibited.

An Order is now proposed to renew the NPDES permit. In addition to the changes implemented by the two permit amendments, the proposed Order removes effluent limitations for dichlorobromomethane and total recoverable copper and makes the chronic whole effluent toxicity trigger more stringent (from 2 TUc to 1 TUc). Also, the proposed Order includes updated UV disinfection system operating specifications and pyrethroid pesticide monitoring.

The tentative Order was issued for a 30-day public comment period on 14 October 2020 with comments due by 5:00 pm 13 November 2020. No comments were received.

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

Internet Zoom Meeting