

LATE REVISIONS

CITY OF CHICO CHICO WATER POLLUTION CONTROL PLANT BUTTE COUNTY

Proposed Waste Discharge Requirements NPDES No. CA0079081 Regional Water Quality Control Board, Central Valley Region Board Meeting – 10 June 2022 ITEM #9

1. Modify the Compliance Schedule rationale in Waste Discharge Requirements (WDRs) Attachment F (Fact Sheet), Provision VI.B.6. as follows:

....“The Discharger has demonstrated the need for additional time to implement actions, or construct necessary improvements, to comply with the new discharge specifications. Therefore, a compliance schedule for compliance with land discharge specifications for total nitrogen is established in this Order. Documentation to support the compliance schedule included, in part, the Regionalization Planning Report for the Paradise Sewer Project (May 2022) which presents a summary of recommended projects and a projected timeline for implementation. The planning report sets a 2032 timeframe for nitrification and denitrification upgrades for the Facility. The ten-year timeframe includes time for scoping, design, environmental review, financing, bidding, and construction.”

2. Modify WDRs Facility Description in Fact Sheet Section II, as follows:

“The Discharger provides sewerage service for the community of Chico and serves a population of approximately ~~424,000~~ 100,000, a population increase of approximately ~~35,000~~ 16,000 from the Order R5-2016-0023.”

3. Modify WDR Attachment E (Monitoring and Reporting Program) Section IX.D.2 as follows:

2. **Annual Operations Report.** *The Discharger shall submit a written report to the Central Valley Water Board, electronically via CIWQS submittal, containing the following by the due date in the Technical Reports Table:*
 - a. *The names, certificate grades, and general responsibilities of all persons employed at the Facility.*
 - b. *The names and telephone numbers of persons to contact regarding the plant for emergency and routine situations.*

- c. *A statement certifying when the flow meter(s) and other monitoring instruments and devices were last calibrated, including identification of who performed the calibration.*
- d. *A statement certifying whether the current operation and maintenance manual, and contingency plan, reflect the wastewater treatment plant as currently constructed and operated, and the dates when these documents were last revised and last reviewed for adequacy.*
- e. *The annual discharge volume of storm water to the Facility's pond(s).*
- f. *The Discharger may also be requested to submit an annual report to the Central Valley Water Board with both tabular and graphical summaries of the monitoring data obtained during the previous year. Any such request shall be made in writing. The report shall discuss the compliance record. If violations have occurred, the report shall also discuss the corrective actions taken and planned to bring the discharge into full compliance with the waste discharge requirements.*

4. Modify WDRs Section VI.C.2.d as follows:

- d. *Groundwater Quality Characterization and BPTC Analysis.*** *The Discharger shall install new groundwater monitoring wells, if necessary, collect monitoring data, and submit a report evaluating the underlying groundwater by **3 years from the effective date of this Order**. The report shall also include an evaluation of the unsaturated soil thickness between the bottom of the ponds and highest groundwater and a review of potential impacts on sensitive receptors in the area (e.g., drinking water wells). If the monitoring shows that any constituent concentrations are increased above background water quality, by 4 years from the effective date of this Order, the Discharger shall submit a technical report describing the groundwater evaluation report results and critiquing each evaluated facility component with respect to Best Practicable Treatment and Control (BPTC) and minimizing the discharge's impact on groundwater quality.*

5. Modify WDR Fact Sheet (Attachment F) Section VI.B.2.d as follows:

d. Groundwater Quality Characterization and BPTC Analysis. The previous Order (R5-2016-0023) required the Discharger to characterize the groundwater and perform an antidegradation reevaluation. The Discharger's *Final Technical Report – Groundwater Quality Characterization and Antidegradation Reevaluation, April 2020* (Technical Report) provides a summary of two years of quarterly groundwater monitoring data. The Technical Report identified constituents where concentrations demonstrated a potential degradation of groundwater quality as a result of Facility operations or due to other land uses (such as agriculture) surrounding the Facility site or due to legacy impacts associated with historic biosolids drying practices at the Facility. The primary constituents of concern include nitrate (as Nitrogen), total coliform organisms, dissolved iron, and dissolved manganese. The Technical Report also identified deficiencies in the monitoring well network and limited sample sets for analysis. This Order requires the Discharger to re-evaluate the groundwater monitoring network and address the deficiencies related to the network noted the Technical Report. The Discharger shall install new groundwater monitoring wells, if necessary, collect additional monitoring data, and submit a report evaluating the underlying groundwater by **3 years from the effective date of this Order**. The report shall also include an evaluation of the unsaturated soil thickness between the bottom of the ponds and highest groundwater and a review of potential impacts on sensitive receptors in the area (e.g., drinking water wells). If the monitoring shows that any constituent concentrations are increased above background water quality, by **4 years from the effective date of this Order**, the Discharger shall submit a technical report describing the groundwater evaluation report results and critiquing each evaluated facility component with respect to Best Practicable Treatment and Control (BPTC) and minimizing the discharge's impact on groundwater quality.