

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

TIME SCHEDULE ORDER R5-2022-0021

REQUIRING  
CITY OF COLUSA  
WASTEWATER TREATMENT PLANT  
COLUSA COUNTY

TO COMPLY WITH WASTE DISCHARGE REQUIREMENTS PRESCRIBED IN  
ORDER R5-2022-0020  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
PERMIT CA0078999

**FINDINGS**

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Central Valley Water Board) finds that:

1. The City of Colusa (Discharger) owns and operates the Wastewater Treatment Plant (Facility). The Facility discharges up to 0.7 million gallons per day (mgd) of tertiary treated wastewater to the unnamed tributary to Powell Slough, a water of the United States.
2. On 21 April 2022, the Central Valley Water Board adopted Waste Discharge Requirements (WDR) Order R5-2022-0020, NPDES Permit CA0078999, with an effective date of 1 June 2022. The Order includes final effluent limitations, in part for zinc.
3. WDR Order R5-2022-0020 section IV.A.1.a includes Final Effluent Limitations at Discharge Point 001 as shown in part as follows:

**Table 4. Effluent Limitations**

<b>Parameter</b>	<b>Units</b>	<b>Average Monthly</b>	<b>Maximum Daily</b>
Zinc, Total	micrograms per liter ( $\mu\text{g/L}$ )	42	84

**NEED FOR TIME SCHEDULE AND LEGAL BASIS**

4. On 27 January 2022, the Discharger submitted an infeasibility analysis requesting additional time to comply with the new, more stringent final effluent limitations for zinc in WDR Order R5-2022-0020. For compliance with the final effluent limitations for zinc, the Discharger has requested time to develop and implement pollution prevention practices, confirm the source(s) of zinc, and evaluate alternative water sources and/or treatment options.
5. The Discharger cannot consistently comply with the zinc effluent limitations in WDR Order R5-2022-0020 and must implement additional actions to reach compliance. This Order contains a time schedule for compliance with final effluent limitations for

zinc, sets interim limitations, and is intended to provide protection from mandatory minimum penalties (MMPs) for violations of the final effluent limitations for zinc.

### MANDATORY MINIMUM PENALTIES

6. California Water Code (CWC) section 13385, subdivisions (h) and (i), requires the Central Valley Water Board to impose MMPs upon dischargers that violate certain effluent limitations. CWC section 13385(j)(3) exempts discharges from these MMPs:  
... where the waste discharge is in compliance with either a cease and desist order issued pursuant to Section 13301 or a time schedule order issued pursuant to Section 13300 or 13308, if all the [specified] requirements are met...for the purposes of this subdivision, the time schedule may not exceed five years in length...
7. Per the requirements of CWC section 13385(j)(3), the Central Valley Water Board finds that:
  - a. This Order specifies the actions that the Discharger is required to take in order to correct the violations that would otherwise be subject to CWC section 13385(h) and (i).
  - b. To comply with final effluent limitations, the Discharger proposed that three years is necessary to allow for collection of monitoring samples for zinc, determining which compliance path to take, and implementation of either a zinc water-effects-ratio study or construction of Facility upgrades.
  - c. The final effluent limitations for zinc are new, more stringent, or modified regulatory requirements that became applicable to the waste discharge after the effective date of Order R5-2022-0020 and after 1 July 2000. New or modified control measures are necessary in order to comply with the final effluent limitations for zinc. The new or modified control measures cannot be designed, installed, and put into operation within 30 calendar days.
  - d. This Order establishes a time schedule to bring the waste discharge into compliance with the effluent limitations that is as short as possible, taking into account the technological, operational, and economic factors that affect the design, development, and implementation of the control measures that are necessary to comply with the effluent limitations.
8. By statute, a Cease and Desist Order or Time Schedule Order may initially provide protection from MMPs for no more than five years. (CWC, section 13385(j)(3)(C).)
9. Compliance with this Order exempts the Discharger from mandatory minimum penalties for violations of the final effluent limitations for zinc found in WDR Order R5-2022-0020 from **1 June 2022** until **31 May 2027**. The Discharger has not

previously been protected from mandatory minimum penalties for violations of the zinc effluent limitations.

10. In accordance with CWC section 13385(j)(3)(C), the total length of protection from mandatory minimum penalties for the final effluent limitations for zinc does not exceed five years.
11. This Order provides a time schedule for completing the actions necessary to ensure compliance with the final effluent limitations for zinc contained in WDR Order R5-2022-0020. Since the time schedule for completion of actions necessary to bring the waste discharge into compliance exceeds one year, this Order includes interim effluent limitations and interim requirements and dates for their achievement.
12. This Order includes performance-based interim effluent limitations for zinc. The Central Valley Water Board calculated an interim average monthly effluent limitation (AMEL) for zinc based on the current treatment plant performance. When there are less than 10 sampling data points available, the interim performance based AMEL is established by multiplying the maximum effluent concentration by the multiplying factors from Table 3-1 of the U.S. EPA Technical Support Document for Water Quality-based Toxics Control ((EPA/505/2-90-001), TSD), based on the number of samples and a coefficient of variation of 0.6. Therefore, an interim AMEL for zinc was calculated using the maximum effluent concentration multiplied by the factor of 4.7 from Table 3.1 of the TSD.

The interim maximum daily effluent limitation (MDEL) was calculated using the MDEL/AMEL multiplier per Table 2 of the Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California. In calculating interim effluent limitations for zinc, effluent data between 1 March 2018 and 28 February 2021 was used. The following table summarizes the calculation of the interim effluent limitations for zinc:

**Table 1. Interim Effluent Limitations**

<b>Parameter</b>	<b>Units</b>	<b>Interim AMEL</b>	<b>Interim MDEL</b>
Zinc, Total	µg/L	530	1100

13. The Central Valley Water Board finds that the Discharger can maintain compliance with the interim effluent limitations included in this Order. Interim effluent limitations are established when compliance with the final effluent limitations cannot be achieved by the existing Facility. Discharge of constituents in concentrations in excess of the final effluent limitations, but in compliance with the interim effluent limitations, can significantly degrade water quality and adversely affect the beneficial uses of the receiving stream on a long-term basis. However, the interim effluent limitations establish an enforceable ceiling concentration until compliance with the final effluent limitations can be achieved.

14. If an interim effluent limit contained in this Order is exceeded, then the Discharger is subject to MMPs for that particular exceedance as it will no longer meet the exemption in CWC 13385(j)(3). It is the intent of the Board that a violation of an interim monthly effluent limitation subjects the Discharger to only one MMP for that monthly averaging period. In addition, a violation of an interim daily maximum effluent limit subjects the Discharger to one MMP for the day in which the sample was collected.

### **OTHER REGULATORY REQUIREMENTS**

15. CWC section 13300 states, in part:

“Whenever a regional board finds that a discharge of waste is taking place or threatening to take place that violates or will violate requirements prescribed by the regional board, or the state board, or that the waste collection, treatment, or disposal facilities of a discharger are approaching capacity, the board may require the discharger to submit for approval of the board, with such modifications as it may deem necessary, a detailed time schedule of specific actions the discharger shall take in order to correct or prevent a violation of requirements.”

16. CWC section 13383 states, in part:

“[A] regional board may establish monitoring, inspection, entry, reporting, and recordkeeping requirements . . . for any person who discharges, or proposes to discharge, to navigable waters, any person who introduces pollutants into a publicly owned treatment works, any person who owns or operates, or proposes to own or operate, a publicly owned treatment works or other treatment works treating domestic sewage, or any person who uses or disposes, or proposes to use or dispose, of sewage sludge.”

17. The Discharger owns and operates the Facility. The technical and monitoring reports required by this Order are necessary to determine compliance with the requirements in this Order and WDR Order R5-2022-0020.

18. Issuance of this Order is exempt from the provisions of the California Environmental Quality Act (Pub. Resources Code, § 21000 et seq.) (“CEQA”) pursuant to Water Code section 13389, since the adoption or modification of a NPDES permit for an existing source is statutorily exempt and this Order only serves to implement a NPDES permit. (Pacific Water Conditioning Ass’n, Inc. v. City Council of City of Riverside (1977) 73 Cal.App.3d 546, 555-556.).

19. On 21 April 2022, after due notice to the Discharger and all other affected persons, the Central Valley Water Board conducted a public hearing at which evidence was received to consider this Time Schedule Order under Water Code section 13301 to establish a time schedule to achieve compliance with waste discharge requirements.

**BOARD ACTION**

**IT IS HEREBY ORDERED THAT:**

1. Pursuant to California Water Code Sections 13300 and 13383, the Discharger shall comply with the following time schedule to submit reports and ensure completion of the compliance project described in Finding 7.b, above:

<b>Task</b>	<b>Compliance Date</b>
Submit Progress Reports. The progress reports shall detail the steps taken to comply with this Order, for example, showing completion of tasks, evaluation of the effectiveness of the implemented measures, and assessment of whether additional measures are necessary to meet the compliance dates.	31 January, annually
Submit and implement a Pollution Prevention Plan (PPP) pursuant to CWC section 13263.3.	31 October 2023
Submit workplan detailing proposed compliance project.	30 November 2023
Submit final report evaluation of the completed compliance project.	31 May 2025
Comply with final effluent limitations for zinc	31 May 2027

2. The following interim effluent limitations for zinc shall be effective on **1 June 2022** and shall apply in lieu of the corresponding final effluent limitations in WDR Order R5-2022-0020. The Discharger shall comply with the following interim effluent limitations through **31 May 2027**, or when the Discharger is able to come into compliance with the final effluent limitations, whichever is sooner.

**Interim Effluent Limitations**

<b>Parameter</b>	<b>Units</b>	<b>Interim AMEL</b>	<b>Interim MDEL</b>
Zinc, Total	µg/L	530	1100

- 3 Any person signing a document submitted under this TSO shall make the following certification:

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my knowledge and on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

4. In accordance with California Business and Professions Code sections 6735, 7835, and 7835.1, engineering and geologic evaluations and judgments shall be performed by or under the direction of registered professionals competent and proficient in the fields pertinent to the required activities. All technical reports specified herein that contain work plans for, that describe the conduct of investigations and studies, or that contain technical conclusions and recommendations concerning engineering and geology shall be prepared by or under the direction of appropriately qualified professional(s), even if not explicitly stated. Each technical report submitted by the Discharger shall contain the professional's signature and/or stamp of the seal.

If, in the opinion of the Executive Officer, the Discharger fails to comply with the provisions of this Order, the Executive Officer may refer this matter to the Attorney General for judicial enforcement, may issue a complaint for administrative civil liability, or may take other enforcement actions. Failure to comply with this Order or with the WDR Order may result in the assessment of Administrative Civil Liability of up to \$10,000 per violation, per day, depending on the violation, pursuant to the Water Code, including sections 13350 and 13385. The Central Valley Water Board reserves its right to take any enforcement actions authorized by law.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Links to the laws and regulations applicable to filing petitions may be found on the [Water Quality Petitions Page](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) ([http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality)) or will be provided upon request.

I, Patrick Pulupa, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of the Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on **21 April 2022**.

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**PATRICK PULUPA**, Executive Officer