

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**AMENDED TIME SCHEDULE ORDER NO. R4-2021-0004-A01
REQUIRING UCLA**

**TO COMPLY WITH REQUIREMENTS PRESCRIBED IN THE GENERAL PERMIT
FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES
AMENDED NOVEMBER 6, 2018 AND EFFECTIVE JULY 1, 2020
(NPDES PERMIT No. CAS000001)
WDID NO. 4 19I005470**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Water Board) finds:

1. The University of California, Los Angeles (UCLA) owns and operates the UCLA Chiller Cogeneration Plant (CoGen or Facility), located at 731 Charles E. Young Drive South in Los Angeles, California. This Facility encompasses an industrial area of 0.75 acres.
2. The Facility is an industrial operation that is required to have coverage under the State's General Permit for Storm Water Discharges Associated with Industrial Activities, amended on November 6, 2018 and effective on July 1, 2020 (Amended General Permit). The Amended General Permit also serves as a permit under the National Pollutant Discharge Elimination System program, NPDES Permit No. CAS000001. CoGen is operated 24 hours a day, 7 days a week to produce electricity, steam, and chilled water for heating and cooling services at the UCLA campus and the UCLA Ronald Reagan Medical Center (RRMC). CoGen has a Standard Industrial Classification (SIC) code of 4911-Electric Services. This SIC code is listed as requiring permit coverage in Attachment A to the Amended General Permit.
3. The Amended General Permit establishes numeric effluent limitations (NELs) for facilities that discharge stormwater associated with industrial activities into water bodies that have certain approved Total Maximum Daily Loads (TMDLs) and that have waste load allocations for industrial stormwater discharges as set forth in Attachment E to the Amended General Permit. The NELs are numerical limits, an exceedance of which is a violation of the Amended General Permit and require dischargers to limit the concentration of pollutants in their stormwater discharges to protect water quality.
4. Stormwater runoff from the Facility discharges to the Sepulveda Canyon Channel, a tributary of Reach 2 of Ballona Creek.

5. The NELs that apply to industrial discharges from the Facility include total copper, total lead, and total zinc, and are new and more stringent than the prior regulatory requirements in the previous General Permit. These NELs became effective on July 1, 2020 and exceedances of NELs will result in mandatory minimum penalties pursuant to California Water Code (Water Code) section 13385, subdivisions (h) and (i).
6. UCLA has completed a pollutant source assessment that addresses each of these pollutants and identified total zinc and total copper as associated with industrial activities at the Facility.
7. The Facility is expected to exceed NELs for total zinc and total copper based on historical monitoring data reported to the State's online Stormwater Multiple Application and Report Tracking System (SMARTS) database. The NELs and the corresponding concentrations of these pollutants in the discharge from the Facility have been reported to be:

Pollutant	Reported Concentration Range in mg/L	Numeric Effluent Limit in mg/L
Total zinc	0.52-2.56	0.10477
Total copper	0.0320-0.2	0.0137

8. The Facility will require additional pollutant control measures to comply with the applicable NELs listed in the Amended General Permit.
9. The Amended General Permit provides alternative on-site compliance options for facilities that exceed or expect to exceed the NELs (see Attachment I of the Amended General Permit). These compliance options include capture and diversion of the volume of stormwater associated with industrial activities that results from the 85th percentile, 24-hour storm to the sanitary sewer, or capture and infiltration of the volume of stormwater associated with industrial activities that results from the 85th percentile, 24-hour storm, or elimination of exposure of industrial activities to stormwater, or capture the volume of stormwater from the maximum historic precipitation event.
10. UCLA has installed FiltrexTM socks around each drain inlet to target metals and sediment. These filter socks are regularly inspected and cleaned 24 hours prior to storm events. UCLA replaces the socks when they are observed to be torn, flattened, stretched or contain a buildup of bio activity. UCLA has also implemented a Sampling and Analysis Plan to ensure all methods and procedures are followed for sampling and analysis of qualifying storm events (QSE). This includes information about sampling schedule, collection, analysis, data evaluation and reporting ensuring the use of sufficiently sensitive methods.

11. UCLA has completed the design, specifications and cost estimate of an on-site compliance option to capture and reuse stormwater at the Facility. The system features on-site stormwater containment designed to capture the 85th percentile, 24-hour storm event. Captured stormwater will be made available for reuse at CoGen, currently conceptualized for use as a cooling tower. Filtrexx™ socks will remain in place to bolster metals filtration and keep sediment from travelling into the storm drain plumbing and potentially impacting the proposed system's ability to operate. These modifications could not be designed, installed, or put into operation prior to July 1, 2020.
12. On January 29, 2021, the Los Angeles Water Board issued Order No. R4-2021-004 to provide UCLA additional time to install an on-site capture and reuse system at the Facility. Under Order No. R4-2021-0004, UCLA had until September 1, 2022 to construct and implement the system.
13. On January 18, 2023, requested an extension of the milestones and final compliance deadlines listed in Order No R4-2021-0004 due to the complexity of the project and risk in material lead times. Due to these delays, the updated schedule modification shows that the new project completion date is now March 1, 2024.
14. Per Water Code section 13385 subdivision (j)(3)(C)(iii)(I), if a time schedule exceeds one year from the effective date of the TSO, the schedule must include interim requirements, that include effluent limitations for the pollutant of concern. Because this Order ends on January 31, 2022, consistent with Water Code section 13385, interim effluent limits are included for total zinc and total copper.
15. UCLA has developed and updated a facility specific Stormwater Pollution Prevention Plan (SWPPP) that is currently being implemented and complies with the monitoring and reporting requirements of the Amended General Permit. The facility specific SWPPP dated December 21, 2020 has been submitted electronically to the SMARTS database.
16. Water Code section 13300 states: "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."

17. Water Code section 13385, subdivisions (h) and (i), require the Regional Water Board to impose mandatory minimum penalties when dischargers violate effluent limitations in NPDES permits. Water Code section 13385 subdivision (j)(3) allows the Regional Water Board to exempt certain facilities from mandatory minimum penalties “when there are exceedances of NELs if the facility is in compliance with a time schedule order issued pursuant to Section 13300 if all of the [specified] requirements are met.”
18. Water Code section 13385, subdivision (j)(3)(B)(i), allows the Regional Water Board to issue a Time Schedule Order (TSO) if the “regional board finds that... the discharger is not able to consistently comply with one or more of the effluent limitations established in the waste discharge requirements” if the “effluent limitation is a new, more stringent, or modified regulatory requirement that has become applicable to the waste discharge after the effective date of the waste discharge requirements and after July 1, 2000, new or modified control measures are necessary in order to comply with the effluent limitation, and the new or modified control measures cannot be designed, installed, and put into operation within 30 calendar days.”
19. Prerequisites to issuing a TSO include those set forth in Water Code section 13385 subdivisions (j)(3)(C)(i), (j)(3)(C)(iii) and (j)(3)(D):

The TSO must establish “a time schedule for bringing the waste discharge into compliance with the effluent limitation that is as short as possible, taking into account the technological, operational, and economic factors that affect design, development and implementation of the control measures that are necessary to comply with the effluent limitation.” (Wat. Code § 13385, subd. (j)(3)(C)(i).) The TSO shall not exceed five years in length unless an extension is granted in accordance with Water Code section 13385, subdivision (j)(3)(C). If the time schedule exceeds one year from the effective date of the order, the schedule shall include interim requirements and the dates for their achievement. The interim requirements shall include both (I) Effluent limitations for the pollutant or pollutants of concern. (II) Actions and milestones leading to compliance with the effluent limitation. (Wat. Code § 13385, subd. (j)(3)(C)(iii).) The discharger must “[have] prepared and [be] implementing in a timely and proper manner, or [be] required by the regional board to prepare and implement, a pollution prevention plan pursuant to section 13263.3.” (Wat. Code § 13385, subd. (j)(3)(D).)

20. The Regional Water Board issues this TSO to UCLA based on all the findings set forth herein.
21. The time schedule set forth herein ends on March 1, 2024. This date does not exceed 5 years from the effective date of Order No. R4-2021-0004, January 29, 2026.

22. Pursuant to Water Code section 13385, subdivision (j)(3), full compliance with the requirements of this TSO exempts UCLA from mandatory minimum penalties (MMPs) only for violations of the NELs for total zinc and total copper that occur after the effective date of this Order until the expiration date of this TSO. If an interim effluent limitation contained in this TSO is exceeded, UCLA may be subject to enforcement action. An exceedance of the interim effluent limitations for the purpose of this TSO is defined as when two (2) or more analytical results from samples taken for any single parameter within a reporting year exceed the interim effluent limitations. In addition, if UCLA does not implement its SWPPP or comply with the time schedule in this Order, UCLA may be subject to enforcement action.
23. All technical and monitoring reports required under this TSO are required pursuant to Water Code section 13383. The Regional Water Board needs the required information to determine compliance with this TSO and the Amended General Permit.
24. The issuance of this TSO is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to California Code of Regulations, Title 14, section 15301 because the TSO pertains to an existing facility and involves negligible or no expansion of an existing use. In addition, the issuance of this TSO is categorically exempt from CEQA pursuant to California Code of Regulations, Title 14, sections 15307, 15308, and 15321, subdivision (a)(2). The issuance of this TSO is an action to assure the maintenance, restoration, enhancement and protection of the environment and a natural resource and is also an enforcement order issued by the Regional Water Board.
25. Pursuant to Water Code section 13167.5, subdivision (a)(3), the Regional Water Board has notified UCLA, interested agencies, and interested persons of its intent to issue this TSO concerning compliance with waste discharge requirements and provided a 30-day comment period. The Regional Water Board considered all comments received.
26. Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with the Water Code section 13320 and the 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 Regional Water Board action, except that if the thirtieth day following the action 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. Copies of the law and regulations applicable to filing petitions may be found online at http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

IT IS HEREBY ORDERED that, pursuant to Water Code sections 13300 and 13385, subdivision (j)(3), UCLA, as owner and operator of CoGen, shall comply with the requirements listed below to ensure compliance with the NELs for total zinc and total copper contained in the Amended General Permit by March 1, 2024:

1. Comply immediately with the following interim actions, schedule, and interim effluent limitations at all discharge points:

Interim Action:	Schedule:
Implement facility specific SWPPP	Throughout the span of enrollment in the Amended General Permit
Complete installation of stormwater capture system	December 1, 2023
System implementation date	March 1, 2024

Pollutant	Interim Effluent Limitation in mg/L
Total zinc	1.64
Total copper	0.148

The foregoing interim effluent limitations and interim actions are in effect from **DATE OF IMPLEMENTATION** through March 1, 2024. During this time, UCLA shall comply with the interim actions and associated schedule as described in this TSO.

2. Submit, electronically through the SMARTS database, biannual progress reports of efforts taken to comply with the interim actions per the above schedule and with the interim effluent limitations in addition to other reporting requirements pursuant to the Amended General Permit. The reports shall summarize the progress to date, the activities conducted during the reporting period, and the activities planned for the upcoming reporting period. Biannual progress reports shall be due March 1st and September 1st each year throughout the duration of this TSO, with the first report due on September 1, 2023.
3. Submit, electronically through the SMARTS database, a final report due on March 1, 2024 that describes a summary and all the interim actions completed and their successful completion.
4. Any person signing a document submitted under this TSO shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information

submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

5. If UCLA fails to comply with any provisions of this TSO, the Regional Water Board may take any further action authorized by law. The Executive Officer, or a delegee, is authorized to take appropriate administrative enforcement action pursuant, but not limited to, Water Code sections 13350 and 13385. The Regional Water Board may also refer any violations to the Attorney General for judicial enforcement, including injunction and civil monetary remedies.
6. All other provisions of the Amended General Permit that are not in conflict with this TSO, including NELs not addressed by this TSO, remain in full force and effect.
7. The Regional Water Board may reopen this TSO at its discretion or at the request of UCLA, if warranted. Lack of progress towards compliance with this TSO may be cause for the Regional Water Board to modify the conditions of this TSO.
8. This amended TSO is effective on **DATE OF IMPLEMENTATION** and expires on March 1, 2024.

SO ORDERED.

Susana Arredondo, Executive Officer

Date