

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

TIME SCHEDULE ORDER R5-2025-0034

REQUIRING
SHASTA-SUSTAINABLE RESOURCE MANAGEMENT, INC.
SHASTA COUNTY

TO COMPLY WITH WASTE DISCHARGE REQUIREMENTS PRESCRIBED IN
ORDER R5-2025-0030
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT CA0081957

FINDINGS

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

1. Shasta-Sustainable Resource Management, Inc. (Discharger) is the owner and operator of Shasta-Sustainable Resource Management, Inc. (Facility), an electrical power generation facility. The Facility discharges up to 1.0 million gallons per day (mgd) of wastewater to the Anderson Cottonwood Irrigation District Canal, a water of the United States, tributary to Sacramento River via Crowley Creek, Schmeider Gulch, Hooker Creek, Patterson Creek, and Cottonwood Creek within the Cottonwood Creek Hydrologic Unit (524.3) watershed.
2. On 20 June 2025, the Central Valley Water Board adopted Waste Discharge Requirements (WDR) Order R5-2025-0030, NPDES Permit CA0081957, which included final effluent limitations, in part for alpha-BHC.
3. WDR Order R5-2025-0030 section IV.A.1.a. includes Final Effluent Limitations IV.A.1 at Discharge Point 001 as shown in part as follows:

Table 1. Effluent Limitations for Constituents and Parameters of Concern

Parameter	Units	Average Monthly Effluent Limitations	Maximum Daily Effluent Limitations
Alpha-BHC	micrograms per liter (µg/L)	0.0019	0.0039

NEED FOR TIME SCHEDULE AND LEGAL BASIS

4. On 25 February 2025, the Discharger submitted an infeasibility analysis requesting additional time to comply with the existing final effluent limitations for alpha-BHC in Order R5-2025-0030. The request provided detailed information supporting the infeasibility to immediately comply with the final effluent limitations for alpha-BHC. The Discharger has investigated and identified that historical use of Lindane and residual environmental contamination are the primary sources contributing to the presence of alpha-BHC in the Facility's effluent. For compliance with the final

effluent limitations for alpha-BHC, the Discharger has requested time to implement source control measures, further investigate potential sources of contamination, and evaluate alternative treatment options.

5. This Time Schedule Order (TSO or Order) contains a time schedule for compliance with final effluent limitations for alpha-BHC contained in Order R5-2025-0030, sets interim limitations for alpha-BHC, and is intended to provide protection from mandatory minimum penalties (MMPs) for potential exceedances of the final effluent limitation for alpha-BHC.

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 5 years is necessary to allow for development and implementation of the actions presented in Finding 4.
 - c. The final effluent limitations for alpha-BHC are new, more stringent, or modified regulatory requirements that became applicable to the waste discharge after the effective date of Order R5-2025-0030 and after 1 July 2000. New or modified control measures are necessary in order to comply with the final effluent limitations for alpha-BHC. 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 final 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 provide protection from MMPs for no more than five years.

9. Compliance with this Order exempts the Discharger from MMPs for violations of final effluent limitations for alpha-BHC found in Order R5-2025-0030 from **1 August 2025** (the effective date of this Order) until **31 July 2030**. The Discharger has not previously been protected from mandatory minimum penalties for violations of the alpha-BHC 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 alpha-BHC 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 alpha-BHC contained in Order R5-2025-0030. 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 new performance-based interim effluent limitations for alpha-BHC, which consist of an average monthly effluent limitation (AMEL) of 0.90 µg/L and a maximum daily effluent limitation (MDEL) of 2.10 µg/L.
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 limitation 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 this Order and Order R5-2025-0030.
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.).
20. On 19/20 June 2025, in Rancho Cordova, California, 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.

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:

Task	Compliance Date
Submit Progress Reports. The progress reports shall detail the steps taken to comply with this Order, including documentation, showing completion of tasks, construction progress, evaluation of the effectiveness of the implemented measures, and assessment of whether additional measures are necessary to meet the compliance dates (can be combined with manganese equivalent report).	1 February, annually
Fuel Pile Berm Removal. Submit documentation of removal of the Fuel Pile Stormwater Pond berm and that rerouting of stormwater to the Retention Pond has been completed (can be combined with manganese equivalent documentation).	31 October 2025

Task	Compliance Date
Fuel Pile Berm Removal Report. Submit report documentation findings from alpha-BHC sampling post Fuel Pile Stormwater Pond berm removal and stormwater rerouting (can be combined with manganese equivalent report).	30 June 2026
Phase I Control Measures Work Plan. If necessary, submit work plan for Phase I installation of swales or similar control measures to reduce alpha-BHC concentrations in Facility effluent (can be combined with manganese equivalent work plan).	31 October 2026, if necessary
Phase I Control Measures Report. If necessary, submit report documenting findings from alpha-BHC sampling post Phase I swales or similar control measure installation (can be combined with manganese equivalent report).	30 June 2028, if necessary
Phase II Control Measures Work Plan. If necessary, submit work plan for Phase II installation of swales or similar control measures to reduce alpha-BHC concentrations in Facility effluent (can be combined with manganese equivalent work plan).	31 October 2028, if necessary
Phase II Control Measures Report. If necessary, submit report documenting findings from alpha-BHC sampling post Phase II swales or similar control measure installation (can be combined with manganese equivalent report).	30 June 2029, if necessary
Additional Control Measures Work Plan. If necessary, submit work plan for additional installation of control measures to reduce alpha-BHC concentrations in Facility effluent (can be combined with manganese equivalent work plan).	31 October 2029, if necessary
Final Alpha-BHC Limitations Compliance Report. Submit documentation of compliance with effluent limitations for alpha-BHC.	31 July 2030

- The following interim effluent limitations for alpha-BHC shall become effective 1 August 2025. The Discharger shall comply with the following interim effluent limitations through 31 July 2030, or when the Discharger is able to come into compliance with the final effluent limitations, whichever is sooner.

Interim Effluent Limitations

Parameter	Units	Interim AMEL	Interim MDEL
Alpha-BHC, Total	µg/L	0.90	2.10

- 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) 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 **20 June 2025**.

PATRICK PULUPA, Executive Officer