

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION**

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**MONITORING & REPORTING PROGRAM
R5-2026-0814**



ORDER INFORMATION

Order Type(s):	Monitoring & Reporting Program (MRP)
Status:	ADOPTED - Revised
Program:	Private Site Cleanup
Region 5 Office:	Sacramento (Rancho Cordova)
Dischargers:	Glenn Springs Holdings Inc. Occidental Petroleum Corp.
Facility:	Groundwater Remediation Project—Lathrop Facility
Address:	Louise Avenue and Howland Road, City of Lathrop
County:	San Joaquin County
Parcel Nos.:	198-180-01; 198-180-02; 198-180-03; 198-180-04; 198-180-05; 198-180-06; 198-140-03; 198-140-04
WDID:	5B392008001
GeoTracker ID:	SLT5S0033055
Related Order(s):	WDR Order R5-2021-0011 MRP Order R5-2021-0011, superseded by MRP R5-2026-0814 MRP Order R5-2015-0810, superseded by MRP R5-2026-0814

CERTIFICATION

I, PATRICK PULUPA, Executive Officer, hereby certify that the following is a full, true, and correct copy of the order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 18 February 2021.

Original signed by Patrick Pulupa
on 2021.03.04 16:21:51 - 08'00'

PATRICK PULUPA,
Executive Officer

Revision issued on 27 October 2026 by

***Original digitally signed by John J. Baum on
Date: 2026.10.27 15:06:09 -07'00'***

for Patrick Pulupa,
Executive Officer

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GLOSSARY

μS/cm	micro Siemens per centimeter
μg/L	micrograms per liter
AMSL	above mean sea level
BSW	backup supply wellhead
DBCP	1,2-dibromo-3-chloropropane
DO	dissolved oxygen
EC	electrical conductivity
EDF	electronic document format
ELAP	State Water Resources Control Boards' Environmental Laboratory Accreditation Program
EW	extraction well
ft	feet
GAC	granular activated carbon
GETS	Groundwater Extraction and Treatment System
GPD	gallons per day
gpm	gallons per minute
MBBR	moving bed bioreactor
MDL	method detection limit
mg/L	milligrams per liter
MW	monitoring well
MRP	Monitoring and Reporting Program
mV	millivolts
N	nitrogen
NTU	nephelometric turbidity units
ORP	oxidation - reduction potential
pH	standard pH units
PQL	practical quantitation limit
TDS	total dissolved solids
WDR	Waste Discharge Requirements

PREFACE

Adopted by the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) pursuant to Water Code section 13267, subdivision (b)(1), this Order revises a Monitoring and Reporting Program (MRP) for Glenn Springs Holdings, Inc. and Environmental Resource Holdings, LLC (ERH), each of which is a wholly owned subsidiary of Occidental Petroleum Corporation, collectively referred to as “Dischargers”. ERH is successor to Occidental Chemical Corporation. The Dischargers operate the Groundwater Remediation Project—Lathrop Facility (Facility) in San Joaquin County. Additional information regarding the Facility is set forth in the enumerated findings of Waste Discharge Requirements Order No. R5-2021-0011 (WDR Order). Except as otherwise provided in the following MRP, those findings are incorporated herein.

Although adopted with the WDR Order, the MRP is a separate order subject to subsequent revision by the Central Valley Water Board Executive Officer in accordance with delegated authority per Water Code section 13223. Such revision shall also be automatically incorporated as part of the WDRs Order. Results of all samples used to meet the monitoring requirements of this MRP must be included in the required monitoring reports for this MRP.

As described in the WDR Order, the original MRP addressed the following components of the Site’s groundwater remediation system, including the onsite backup supply wellhead (BSW) treatment system for the J.R. Simplot Company, which was dismantled in January 2025 and is no longer part of the system.

- Groundwater Extraction and Treatment System (GETS) using granular activated carbon (GAC) units;
- Aerated moving bed bioreactor (MBBR); and
- Groundwater extraction, injection, and monitoring wells.

This revised MRP includes the following changes to MRP R5-2021-0011:

1. The BSW treatment system has been deleted from the description of the groundwater remediation system and from monitoring requirements.
2. Monitoring points for internal (operational) data gathering and for dismantled treatment systems have been omitted from monitoring requirements.
3. Monitoring tables from MRP R5-2021-0011 and MRP R5-2015-0810 have been combined, updated and included in Attachment 1 of this MRP R5-2026-0814.
4. Monitoring analytes and frequencies have been revised to reflect current site conditions, with added well-specific evaluations of monitoring analytes and frequencies.

This revised MRP replaces and supersedes MRP Order R5-2015-0810 and any revisions thereto.

REQUIREMENTS

IT IS HEREBY ORDERED, pursuant to Water Code section 13267, that the Dischargers shall comply with the following.

A. Compliance with Standard Provisions

Except as otherwise expressly provided herein, the Dischargers shall comply with the Standard Provisions and Reporting Requirements for Waste Discharge Requirements, 1 March 1991 Edition (Standard Provisions or SPRRs) insofar as those provisions pertain to the monitoring and reporting activities required under this Order.

B. Monitoring Requirements

1. General Monitoring Provisions — The following provisions apply to all sampling and analytical activities conducted in accordance with this Order.

- a. Representative Sampling** — All samples shall be representative of the volume and nature of the discharge or matrix of material sampled.
- b. Sample Information** — The time, date, and location of each sample shall be recorded on the sample chain of custody form.
- c. Field Test Instruments** — Field test instruments, such as those used to measure pH, depth to water, temperature, electrical conductivity (EC), dissolved oxygen (DO), turbidity, and oxidation reduction potential (ORP), must be used, provided that:
 - i. Instrument operators are trained in proper use and maintenance;
 - ii. Instruments are field calibrated at the manufacturer-recommended frequency;
 - iii. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
 - iv. Field calibration reports are submitted to the Central Valley Water Board.
- d. Laboratory Analytical Procedures** — Laboratory analytical procedures shall comply with the methods specified in Attachment 1, Table 2. All concentrations found between the method detection limit (MDL) and the practical quantitation limit (PQL) shall be reported as estimated values.
 - i. If necessary, an alternate equivalent EPA Method that has a PQL below the site cleanup goal concentration specified in WDR Order

R5-2021-0011, Table 5, or below the effluent limits in WDR Order, Table 6, whichever is lower, may be used for a particular constituent, provided that the Dischargers have obtained concurrence from Central Valley Water Board staff.

- ii. For analytes not addressed in Attachment 1, Table 2, the Dischargers shall continue using analytical methods currently in use. Alternatively, the Dischargers may use a new method with Central Valley Water Board staff concurrence.

e. Requests for Reduced Monitoring or Modification to Analytes — The Dischargers may propose reduced monitoring or modification to analytes.

- i. If an analyte in a given monitoring well that is sampled semi-annually shows a stable or decreasing trend across four consecutive semi-annual monitoring events, the sampling frequency for that analyte at that well may be reduced to annual sampling, with Central Valley Water Board staff concurrence.
- ii. If an analyte in a given monitoring well that is sampled annually shows a stable or decreasing trend across four consecutive annual monitoring events, the sampling frequency for that analyte at that well may be reduced to biennial (once every two years) sampling, with Central Valley Water Board staff concurrence.
- iii. If an analyte is not detected in a given monitoring well above the reporting limit for four consecutive routine sampling events, the analyte may be removed from the required sampling for that well, with Central Valley Water Board staff concurrence.

2. Treatment System Monitoring — The Dischargers shall monitor the treatment system monitoring points and constituents listed in Attachment 1, Table 3. The monthly cumulative volume of injected groundwater shall be monitored at the treatment system effluent in units of gallons (gal), and the average flow rate in gallons per minute (gpm) shall be calculated from the monthly cumulative flow. All injection wells shall be monitored continuously for total volume injected, injection flow rate, and injection pressure.

3. Groundwater Monitoring — The Dischargers shall conduct groundwater monitoring in accordance with Attachment 1, Table 4 (Extraction Wells) and Table 5 (Monitoring Wells), using the analytical methods specified in Attachment 1, Table 2. All monitoring wells and extraction wells with wellhead access ports shall be field-monitored for water levels, pH, temperature, and electrical conductivity at each sampling event, as specified in Attachment 1, Table 1. Wells that are sampled semi-annually shall be sampled during the first and third calendar quarters; wells that are sampled annually shall be sampled during the

third calendar quarter. New wells shall be sampled as specified in Attachment 1, Tables 4 and 5.

C. Reporting Requirements

1. **Quarterly Submittal of Laboratory Data** —The Dischargers shall report the results of any laboratory analyses for groundwater performed within the subject calendar quarter, in accordance with the schedule in Table C.1., below. Data shall be submitted in electronic deliverable format (EDF) to the GeoTracker Database [Global ID SLT5S0033055](https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT5S0033055) (https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT5S0033055).

Table C.1. Quarterly Reporting Schedule

Monitoring Quarter	EDF Upload Deadline
1st Quarter (1 Jan. – 31 Mar.)	1 May
2nd Quarter (1 April –30 June)	1 August
3rd Quarter(1 July – 30 Sept.)	1 November
4th Quarter(1 Oct. – 31 Dec.)	1 February

2. **Annual Reports** —The Dischargers shall submit Annual Reports on 1 February of each year.

- a. **Contents** —At a minimum, Annual Reports shall contain each of the following:
 - i. Tabular and graphical summaries of all data obtained during the reporting year;
 - ii. Results of any monitoring done more frequently than required at the locations specified in this Order;
 - iii. Identification of data gaps and potential deficiencies/ redundancies in monitoring system or reporting program;
 - iv. For any proposed revisions to monitoring frequencies and/or analytes, a supporting rationale (if revisions are proposed);
 - v. Description and discussion of groundwater sampling event and results for the groundwater treatment systems and, if applicable, air injections;

- vi. Field logs describing sampling methods, measured parameters, groundwater depths (if applicable), and other relevant information;
- vii. For new well constructions within the subject year, a table containing relevant details such as
 - (A) Well number,
 - (B) Groundwater zone being monitored,
 - (C) Coordinates (longitude and latitude),
 - (D) Ground surface elevation,
 - (E) Reference elevation, and
 - (F) Elevations of screen, bentonite, filter pack and well bottom;
- viii. Cumulative data tables containing the water quality analytical results generated within the subject year;
- ix. Copies of laboratory analytical data reports generated within the subject year;
- x. Description of remedial and system optimization activities and the status of ongoing remediation, including
 - (A) Influent and effluent concentrations,
 - (B) Extraction well and injection well pumping rates,
 - (C) Treatment system flow rates,
 - (D) Amount and form of injected amendments,
 - (E) Effectiveness of the remediation systems, and
 - (F) Cumulative information on the mass of pollutant removed from the subsurface, system operating time, the effectiveness of the remediation system, and
 - (G) Any operational logs pertaining to the operation and maintenance of the system;
- xi. If applicable, the reasons for and duration of all significant interruptions in the operation of remediation system, and actions planned or taken to correct and prevent interruptions;

- xii. Logs of GAC replacement, if applicable, along with transportation date(s) and destination of disposal;
 - xiii. Description of filtration and backwash cycling for the aerated MBBR, details of excess biomass from the aerated MBBR; and
 - xiv. If applicable, details of dewatering, drying, waste characterization, and off-Site disposal of waste generated in the aerated MBBR.
- b. Electronic Submittal** —Annual Reports shall be submitted via the GeoTracker Database to [Global ID SLT5S0033055](https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT5S0033055) (https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT5S0033055).
- c. Transmittal Letters** —Each Annual Report shall be accompanied by a transmittal letter discussing any violations occurring during the reporting period, and identifying all actions taken or planned for correcting violations (e.g., operation or facility modifications). If the Dischargers previously submitted a report describing corrective actions or a time schedule for implementing the corrective actions, reference to the previous correspondence is satisfactory.
- d. Preparation by Qualified Professionals** —Annual Reports submitted under this Order shall be:
- i. Prepared by a registered professional engineer or geologist, or another individual working under their direction (see Bus. & Prof. Code, §§ 6735, 7835, 7835.1);
 - ii. Signed and stamped by the same registered professional engineer or geologist; and
 - iii. Presented in a manner that clearly and unequivocally attributes work to the registered professional responsible for its preparation.
- e. Data Presentation** —In reporting monitoring data, the Dischargers shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner that illustrates clearly whether the submitting party is in compliance with waste discharge requirements.
- 3. Shutdown Notifications** —The Dischargers shall notify the Central Valley Water Board within 48 hours of any unscheduled shutdown of the groundwater treatment system(s).

ENFORCEMENT

If, in the opinion of the Executive Officer, the Dischargers fail 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 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 13268, 13350 and 13385. The Central Valley Water Board reserves its right to take any enforcement actions authorized by law.

ADMINISTRATIVE REVIEW

Any person aggrieved by this Central Valley Water Board action may petition the State Water Board for review in accordance with Water Code section 13320 and California Code of Regulations, title 23, section 2050 et seq. To be timely, the petition must be received by the State Water Board by 5:00 pm on the 30th day after the date of this Order; if the 30th day falls on a Saturday, Sunday or state holiday, the petition must be received by the State Water Board by 5:00 pm on the next business day. The law and regulations applicable to filing petitions are available on the [State Water Board website](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) (http://www.waterboards.ca.gov/public_notices/petitions/water_quality). Copies will also be provided upon request.