



Central Valley Regional Water Quality Control Board

18 December 2025

Scott M. Banks
Vice President and Secretary
Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA, 94583

VIA EMAIL
SBANKS@CHEVRON.COM

NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER R5-2022-0006-03 FOR LIMITED THREAT DISCHARGES TO SURFACE WATER; FORMER CHEVRON SERVICE STATION NO. 97127 PROJECT, ALAMEDA COUNTY

Our office received a Notice of Intent (NOI) on 17 July 2023 from Chevron Environmental Management Company (hereinafter Discharger), for discharge of treated groundwater to surface water, for enrollment under the General Order for Limited Threat Discharges to Surface Water (Limited Threat General Order) R5-2022-0006-03. Based on the NOI and subsequent information submitted by the Discharger, staff has determined that the project meets the required conditions for approval under the Limited Threat General Order, as a Petroleum Fuel Remediation Project. This project is hereby assigned Limited Threat General Order R5-2022-0006-041 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG995002. Please reference your Limited Threat General Order number, **R5-2022-0006-041**, in your correspondence and submitted documents.

The project activities shall be operated in accordance with the requirements contained in the Limited Threat General Order and as specified in this NOA. You are urged to familiarize yourself with the entire contents of the enclosed [Limited Threat General Order](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2022-0006-03_amended.pdf) (https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2022-0006-03_amended.pdf)

CALIFORNIA TOXICS RULE / STATE IMPLEMENTATION POLICY MONITORING

The Limited Threat General Order incorporates the requirements of the California Toxics Rule (CTR) and the State Water Resources Control Board's (State Water Board), *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, 2005, also known as the State Implementation Policy (SIP). Screening levels for CTR constituents and other constituents of concern are found in Attachment I of the Limited Threat General Order. Review of your water quality data in comparison to the screening values, showed

NICHOLAS AVDIS, CHAIR | PATRICK PULUPA, EXECUTIVE OFFICER

reasonable potential for the discharge to cause or contribute to an exceedance of Biochemical Oxygen Demand (BOD), benzene, ethylbenzene, toluene, xylene, total petroleum hydrocarbons (diesel range), total petroleum hydrocarbons (gasoline range), and gamma-BHC (lindane) water quality objectives in Mountain House Creek, which is a water of the United States. However, the proposed treatment system addresses the water quality concern by reducing constituent(s) concentrations below water quality objectives; therefore, the Project qualifies for the Limited Threat General Order.

PROJECT DESCRIPTION

The Former Chevron Service Station No. 97127 Project (Project) is an ongoing site cleanup project at the former Chevron Service Station No. 97127 located at 1Site-Clean, south of Interstate 580 in Mountain House, California. The Discharger will install and operate a groundwater remediation system consisting of dual-phase extraction (DPE) technology to extract and treat impacted groundwater and soil vapor from the subsurface at the site. The site cleanup work is being conducted under the oversight of the Alameda County Department of Environmental Health.

The proposed DPE system will extract groundwater through eight DPE wells. The groundwater treatment system has been designed based on results from a pilot test performed in October 2022 and is designed for a flow rate of 40 gallons-per-minute (GPM). The treatment process includes bag filtration units, oil-water separators, liquid phase carbon vessels, and air stripping. The average daily discharge will be 43,200 gallons per day (GPD) and is based on a 30-GPM average flow rate. The maximum daily discharge will be 57,600 GPD.

The effluent vapor stream from the air stripper will be treated through two vapor-phase GAC vessels then discharged to the atmosphere, permitted by the Bay Area Air Quality Management District (BAAQMD). The extracted and treated groundwater will be pumped through an onsite treatment system prior to discharge to an onsite storm sewer which discharges to an unnamed tributary to Mountain House Creek, tributary to Old River, a water of the United States, as shown in Attachment A. Treated effluent groundwater will be discharged continuously while the DPE system is in operation.

The DPE system will operate intermittently for approximately 12 months, assuming 6 months of continuous system operation followed by 6 months of rebound testing. The actual DPE system operating timeframe may be less than 12 months and will depend on the timeframe to attain the metrics established for system shutdown and completion of rebound testing. System shutdown metrics have been established by Chevron/Arcadis with input from the Alameda County Department of Environmental Health (ACDEH). These are summarized in Section 6.6.4 of the January 19, 2022, Corrective Action Plan (CAP), which is available on the [CA Geotracker Website](https://documents.geotracker.waterboards.ca.gov/esi/uploads/geo_report/6599322676/T0600102298.PDF) (https://documents.geotracker.waterboards.ca.gov/esi/uploads/geo_report/6599322676/T0600102298.PDF). The system shutdown is tied to Light Non-Aqueous Phase Liquid (LNAPL) recovery and vapor-phase VOC mass recovery rate of the SVE system. The

CAP specifies that the system will operate continuously until the following conditions are met.

DISCHARGE PROHIBITIONS

Discharge prohibitions are specified in Section IV Discharge Prohibitions of the Limited Threat General Order. Based on the information provided in the NOI, the following discharge prohibitions are applicable to this discharge:

- Prohibition IV.A
- Prohibition IV.B
- Prohibition IV.C
- Prohibition IV.D. The discharge flow rate shall not exceed 0.1 MGD.

EFFLUENT LIMITATIONS

Effluent limitations are specified in Section V. Effluent Limitations and Discharge Specifications of the Limited Threat General Order. Based on the information provided in the NOI, effluent limitations are only required for the parameter identified in items 1-5, below:

1. **pH (Section V.A.1.b.i).** The pH of all limited threat discharges within the Sacramento and San Joaquin River Basins (except Goose Lake in Modoc County) shall at all times be within the range of 6.5 and 8.5.
2. **Whole Effluent Toxicity, Chronic (Section V.A.2.a).** There shall be no chronic toxicity in the discharge.
3. **Temperature.** For discharges within the legal boundaries of the Sacramento-San Joaquin Delta, the maximum temperature of the discharge shall not exceed the natural receiving water temperature by more than 20°Fahrenheit (°F).
4. **Diazinon and Chlorpyrifos.** For water bodies as specified in Table 3-4 of the Basin Plan for the Sacramento and San Joaquin River Basin, effluent diazinon and chlorpyrifos concentrations shall not exceed the sum of one (1.0) as identified below:
 - i. **Average Monthly Effluent Limitation (AMEL)**
$$\text{SAMEL} = \text{CD M-avg}/0.079 + \text{CC M-avg}/0.012 \leq 1.0$$

CD M-AVG = average monthly diazinon effluent concentration in µg/L
CC M-AVG = average monthly chlorpyrifos effluent concentration in µg/L
 - ii. **Maximum Daily Effluent Limitation (MDEL)**
$$\text{SAWEL} = \text{CD W-avg}/0.16 + \text{CC W-avg}/0.025 \leq 1.0$$

CD W-AVG = average weekly diazinon effluent concentration in µg/L
CC W-AVG = average weekly chlorpyrifos effluent concentration in µg/L
5. **Constituents and Parameters of Concern (Section V.A.1.e).** The following constituents and parameters in Table 1 below have been identified as having

reasonable potential to cause or contribute to an in-stream excursion from water quality objectives and shall not exceed the effluent limitations as listed.

Table 1. Effluent Limitations for Constituents and Parameters of Concern

Parameter	Units	Average Monthly Effluent Limitations	Maximum Daily Effluent Limitations	Section Reference
BOD	mg/L	10	20	V.B.1
Benzene	ug/L	--	0.5	V.B.4
Ethylbenzene	ug/L	--	0.5	V.B.4
Toluene	ug/L	--	0.5	V.B.4
Xylene	ug/L	--	0.5	V.B.4
Total Petroleum Hydrocarbons (Gasoline Range)	ug/L	--	50	V.B.4
Total Petroleum Hydrocarbons (Diesel Range)	ug/L	--	50	V.B.4
gamma-BHC (Lindane)	ug/L	ND	ND	V.A.1.f

1. **Xylene.** Applies to the sum of o-xylene, m-xylene, and p-xylene.
2. The non-detectable (ND) limitation applies to each individual pesticide (CTR number 102 through 126). No individual pesticide may be present in the discharge at detectable concentrations. The Discharger shall use USEPA standard analytical techniques with a maximum acceptable detection level of 0.5 µg/L (SIP minimum level).

Mountain House Creek is not listed under the Clean Water Act 303(d) List of impaired water bodies. Therefore, no additional 303(d) based effluent limitations or monitoring requirements will be added to this Limited Threat Notice of Applicability.

RECEIVING WATER LIMITATIONS

The Limited Threat General Order includes receiving surface water limitations in Section VIII.A. Based on the information provided in the NOI, only the following receiving surface water limitations are applicable to this discharge:

- Bacteria (VIII.A.2);
- Biostimulatory substances (VIII.A.3);
- Chemical constituents (VIII.A.4);
- Color (VIII.A.5);

- Dissolved oxygen (VIII.A.6.a);
- Floating material (VIII.A.7);
- Oil and grease (VIII.A.8);
- pH (VIII.A.9.a);
- Pesticides ((VIII.A.10);
- Radioactivity (VIII.A.11);
- Suspended sediments (VIII.A.12);
- Settleable substances (VIII.A.13);
- Suspended material (VIII.A.14);
- Taste and odors (VIII.A.15);
- Temperature (VIII.A.16.a);
- Toxicity (VIII.A.17); and
- Turbidity (VIII.A.18.a).

SPECIAL PROVISIONS

The Limited Threat General Order contains Provisions in Section IX.C. Based on information provided in the NOI the following site-specific special provisions are applicable to the Project.

Salinity Evaluation and Minimization Plan – The Limited Threat General Order in Section IX.C.3.c requires Dischargers with projects greater than or equal to 180 days in duration to submit and implement a Salinity Evaluation and Minimization Plan to identify and address sources of salinity discharged from the Facility. A Salinity Evaluation and Minimization Plan shall be submitted by **1 April 2026**.

For enrollees under the Salinity Control Program's Alternative Salinity Permitting Approach, Table 16 of the Limited Threat General Order includes performance-based electrical conductivity (EC) triggers to be included in the NOA to ensure the Salinity Evaluation and Minimization Plan is effective. The Discharge submitted a Notice of Intent for the Salinity Control Program in July 2023 indicating its intent to comply with the Alternative Salinity Permitting Approach and participate in the CV-SALTS Prioritization and Optimization Study. Based on effluent EC data from June 2023, the effluent concentration for EC was 970 µmhos/cm, which results in an **annual average** EC effluent trigger of **1,200 µmhos/cm** per Table 16 of the Limited Threat General Order. If the calendar annual average effluent EC exceeds 1,200 µmhos/cm, the Salinity Evaluation and Minimization Plan shall be reviewed and updated. The updated Salinity Evaluation and Minimization Plan shall be submitted by 1 April following the calendar year in which the electrical conductivity concentration exceeded the trigger.

You must pay for the annual P&O Study fee through the Payment Portal (<https://www.cvsalinity.org/po-fee-form/>). If you cannot access the portal or have question on how your fee was calculated, you may contact info@cvsalinity.org. Once your payment has been accepted, you will receive a Certificate of Participation. Please

submit both the Certificate and the NOI to the Central Valley Water Board at cvsalts@waterboards.ca.gov.

MONITORING AND REPORTING

Monitoring and reporting requirements are contained in Attachment C of the Limited Threat General Order. The Discharger is required to comply with the following specific monitoring and reporting requirements for the effluent and receiving water in accordance with Attachment C of the Limited Threat General Order.

Monitoring Locations – The Discharger shall monitor the effluent and receiving water at the specified location as follows:

Table 2. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
	INF-001	Shall be located at the influent piping before the groundwater enters the treatment process.
001	EFF-001	A location where a representative sample of the effluent can be collected prior to discharging to Unnamed Tributary to Mountain House Creek.
	RSW-001	Unnamed Tributary to Mountain House Creek, approximately 200 feet upstream from the point of discharge.
	RSW-002	Unnamed Tributary to Mountain House Creek., Approximately 200 feet downstream from the point of discharge.

Influent Monitoring - When discharging to surface water, the Discharger shall monitor the influent at INF-001 in accordance with Table C-2 of the Limited Threat General Order and this NOA. The applicable monitoring requirements are as follows in Table 3:

Table 3. Influent Monitoring Requirements

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow Rate	MGD	Calculated	1/Day
Benzene	ug/L	Grab	1/Month
Ethylbenzene	ug/L	Grab	1/Month
Toluene	ug/L	Grab	1/Month
Xylene	ug/L	Grab	1/Month

Parameter	Units	Sample Type	Minimum Sampling Frequency
Total Petroleum Hydrocarbons (Gasoline Range)	ug/L	Grab	1/Month
Total Petroleum Hydrocarbons (Diesel Range)	ug/L	Grab	1/Month
gamma-BHC (Lindane)	ug/L	Grab	1/Month

Effluent Monitoring – When discharging to surface water, the Discharger shall monitor the effluent at EFF-001 in accordance with Table C-3 of the Limited Threat General Order and this NOA. The applicable monitoring requirements are as follows in Table 4 and subsequent Table 4 Notes:

Table 4. Effluent Monitoring Requirements

Parameter	Units	Sample Type	Minimum Sampling Frequency
Discharge Flow Rate	MGD	Calculated	1/Day
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Week
pH	standard units	Grab	1/Week
Turbidity	NTU	Grab	1/Week
Temperature	°F	Grab	1/Week
Dissolved Oxygen (DO)	mg/L	Grab	1/Week
BOD	mg/L	Grab	1/Month
Benzene	ug/L	Grab	1/Month
Ethylbenzene	ug/L	Grab	1/Month
Toluene	ug/L	Grab	1/Month
Xylene	ug/L	Grab	1/Month
Total Petroleum Hydrocarbons (Gasoline Range)	ug/L	Grab	1/Month
Total Petroleum Hydrocarbons (Diesel Range)	ug/L	Grab	1/Month
gamma-BHC (Lindane)	ug/L	Grab	1/Month
Chronic Toxicity	--	Grab	1/Year

Table 4 Notes

- Electrical conductivity, pH, turbidity, temperature, and DO.** A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Monitoring and Reporting Program shall be maintained at the Facility.
- All parameters, except flow.** Pollutants shall be analyzed using the analytical

methods described in 40 C.F.R. part 136 or by methods approved by the Central Valley Water Board or the State Water Board.

3. **Chronic toxicity.** Chronic toxicity testing shall be conducted within 3 months of initiation of discharge. See the Monitoring and Reporting Program (Attachment C, Section V) for toxicity monitoring requirements.

Receiving Water Monitoring - When discharging to surface water, the Discharger shall monitor the receiving water at RSW-001 and RSW-002, in accordance with Table C-5 of the Limited Threat General Order and this NOA. If there is no upstream receiving water flow, monitoring at RSW-001 is not required and the self-monitoring report shall state that monitoring was not conducted due to no upstream receiving water flow. The applicable monitoring requirements are as follows in Table 5 and subsequent Table 5 Notes:

Table 5. Receiving Water Monitoring Requirements

Parameter	Units	Sample Type	Monitoring Frequency
Dissolved Oxygen	mg/L	Grab	1/Month
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Month
pH	standard units	Grab	1/Month
Temperature	°F	Grab	1/Month
Turbidity	NTU	Grab	1/Month
BOD	mg/L	Grab	1/Month
Benzene	ug/L	Grab	1/Month
Ethylbenzene	ug/L	Grab	1/Month
Toluene	ug/L	Grab	1/Month
Xylene	ug/L	Grab	1/Month
Total Petroleum Hydrocarbons (Gasoline Range)	ug/L	Grab	1/Month
Total Petroleum Hydrocarbons (Diesel Range)	ug/L	Grab	1/Month

Table 5 Notes

1. **All parameters.** Pollutants shall be analyzed using the analytical methods described in 40 C.F.R. part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
2. **All parameters except for hardness.** A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Monitoring and Reporting Program shall be maintained by the Discharger.

In conducting the receiving water sampling, a log shall be kept of the receiving water conditions throughout the reach bounded by RSW-001 and RSW-002. Attention shall be given to the presence or absence of:

- a. Floating or suspended matter
- b. Discoloration
- c. Bottom deposits
- d. Aquatic life
- e. Visible films, sheens, or coatings
- f. Fungi, slimes, or objectionable growths
- g. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the Monitoring Report.

Monitoring Report Submittals - Monitoring in accordance with the Limited Threat General Order shall begin upon initiation of discharge. Monitoring Reports shall be submitted to the Central Valley Water Board on a quarterly basis, beginning with the **Fourth Quarter 2025**. This report shall be submitted on **1 February 2026**. All Monitoring Reports shall specify the dates during the monitoring period the discharge did or did not occur. If monitoring samples were not obtained within 24 hours of initiation of the discharge, the Discharger must document the reasons in the corresponding Monitoring Report. If treatment and discharge has not begun there is no need to monitor. However, a certified Monitoring Report must be submitted stating that there has been no discharge. Table 6, below, summarizes the Monitoring Report due dates required under the Limited Threat General Order. Quarterly Monitoring Reports must be submitted until your coverage is formally terminated in accordance with the Limited Threat General Order, even if there is no discharge during the reporting quarter.

Table 6. Monitoring Periods and Reporting Schedule

Monitoring Period for All Sampling Frequencies	Quarterly Report Due Date
First Quarter (1 January through 31 March)	1 May
Second Quarter (1 April through 30 June)	1 August
Third Quarter (1 July through 30 September)	1 November
Fourth Quarter (1 October through 31 December)	1 February of the following year

GENERAL INFORMATION AND REQUIREMENTS

The Discharger must notify Central Valley Water Board staff within 24 hours of having knowledge of 1) the start of each new discharge, 2) noncompliance, and 3) when the discharge ceases. The Central Valley Water Board shall be notified immediately if any effluent limit violation is observed during implementation of the project.

Discharge of material other than what is described in the application is prohibited. The required annual fee (as specified in the annual invoice you will receive from the State Water Resources Control Board) shall be submitted until this NOA is officially terminated. You must notify this office in writing when the discharge regulated by the Limited Threat General Order is no longer necessary by submitting the Request for Termination of Coverage (Attachment E). If a timely written request is not received, the Discharger will be required to pay additional annual fees as determined by the State Water Resources Control Board.

ENFORCEMENT

Failure to comply with the Limited Threat General Order may result in enforcement actions, which could include civil liability. Effluent limitation violations are subject to a Mandatory

Minimum Penalty (MMP) of \$3,000 per violation. In addition, late Monitoring Reports may be subject to MMPs or discretionary penalties of up to \$1,000 per day late. When discharges do not occur during a quarterly monitoring period, the Discharger must still submit a quarterly certified Monitoring Report indicating that no discharge occurred to avoid being subject to enforcement actions.

COMMUNICATION

We have transitioned to a paperless office; therefore, please convert all documents to a searchable Portable Document Format (pdf). All documents, including Monitoring Reports, written notifications, and documents submitted to comply with this NOA and the Limited Threat General Order, should be submitted to the NPDES Compliance and Enforcement Unit, Attention: Mohammad Farhad at centralvalleysacramento@waterboards.ca.gov and mohammad.farhad@waterboards.ca.gov. Mr. Farhad may also be reached by phone at (916) 464-1181.

Please include the following information in the body of the email:

- Attention: NPDES Compliance Unit
- Discharger: Chevron Environmental Management Company
- Facility: Former Chevron Service Station No. 97127
- County: Alameda County
- CIWQS place ID: 890481
- CV-SALTS ID: 3681

Documents that are 50 megabytes or larger must be transferred to a DVD, or flash drive and mailed to our office, attention "ECM Mailroom-NPDES".

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 California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following.

Scott M. Banks
Vice President and Secretary
Chevron Environmental Management Company

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The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this NOA, 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 law and regulations applicable to filing petitions may be found on the [Petitions Home 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.

Patrick Pulupa, Executive Officer

Enclosures (2): Attachment A - Project Location Map
 Monitoring Report Transmittal Form (Discharger only)

cc: Peter Kozelka, U.S. EPA, Region IX, San Francisco (email only)
 Prasad Gullapalli, U.S. EPA Region IX, San Francisco (email only)
 Division of Water Quality, State Water Board, Sacramento (email only)

ATTACHMENT A – PROJECT LOCATION MAP



