Central Valley Regional Water Quality Control Board

18 December 2025

Chad Hathaway
President and Owner
Hathaway, LLC
4205 Atlas Court
Bakersfield, CA 93308

CERTIFIED MAIL
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REVISED MONITORING AND REPORTING PROGRAM ORDER NO. R5-2017-0036-022, HATHAWAY, LLC, FEE A AND FEE B LEASES, DEVILS DEN OIL FIELD, KERN COUNTY

On 9 July 2021, Central Valley Water Quality Control Board staff (Staff) issued to Hathaway, LLC (Hathaway) a Notice of Applicability (NOA), Order R5-2017-0036, Waste Discharge Requirements For Oil Field Discharges to Land, General Order Three (General Order Three). General Order Number R5-2017-0036-022 was assigned to the produced wastewater discharges into ponds on the Fee A and Fee B Leases in the Devils Den Oil Field. Hathaway is subject to the requirements of General Order Three's Monitoring and Reporting Program R5-2017-0036-022 (MRP).

On 21 January 2025, Central Valley Regional Water Quality Control Board staff (Staff) received a letter from Hathaway LLC, (Hathaway) titled *Request to amend MRP, Hathaway, LLC, Fee A and Fee B Leases, Devils Den Oil Field Kern County, WDR Order No. R5-2017-0036, GeoTracker Site Global ID: L10002445401* (Sampling Reduction Request). The Sampling Reduction Request compared analytical data from produced wastewater samples collected from the fourth quarter of 2021 through the third quarter of 2024 and proposed a reduction in Hathaway's monitoring frequency and a reduction in the list of constituents required by the MRP. The MRP allows for a reduction in monitoring if the discharger can provide a technical demonstration showing that the wastewater constituent concentrations do not vary significantly in magnitude. Hathaway requested the following modifications to the MRP:

1. A reduction in frequency of produced wastewater sample collection and analysis and monitoring report submittals from quarterly to semiannually.

2. A reduction in the required polynuclear aromatic hydrocarbon (PAH) constituents analyzed to only include acenaphthene, chrysene, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene.

3. A reduction in the required volatile organic compound (VOC) constituents analyzed to only include benzene, ethylbenzene, toluene, and xylenes (BTEX constituents).

No other changes to the MRP were proposed.

Staff have reviewed the Sampling Reduction Request and, based on the information provided and analytical data available, some reductions in MRP requirements have been approved.

Staff agree that there is not enough significant variation in the magnitude of constituent concentrations from quarter to quarter for most constituents, and that a reduction in sampling frequency from quarterly to semiannually appears to be appropriate. Detections of the three PAH constituents acenaphthylene, anthracene, and benzo (g,h,i) perylene, have only occurred during one sampling event for each, and there is little evidence of significant variation in concentrations of the other PAH constituents requested to be removed from the analysis suite. Staff agree that the PAH sampling suite going forward can be reduced to the requested seven PAH constituents: acenaphthene, chrysene, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene. In addition to the BTEX constituents, Hathaway needs to continue monitoring eight VOCs; acetone, sec-butylbenzene, isopropylbenzene, 4-isopropyltoluene, n-propyl benzene, tert-butyl alcohol, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. These VOCs have had detections during multiple sampling events and show significant concentration variations.

The Revised Monitoring and Reporting Program No. R5-2017-0036-022 is enclosed and is effective as of 8 December 2025.

If you have any questions regarding this matter, please contact Joe Canchola at Joe.Canchola@waterboards.ca.gov or by phone at (559) 445-6279.

Original signed by Alex Olsen
Alex Olsen
Supervising Engineering Geologist
PG No. 8932

Enclosure: Revised Monitoring and Reporting Program Order No. R5-2017-0036-022

cc by email: Curtis Huge, Hathaway, LLC, Bakersfield

Chris Jones, District Deputy, Central District, California Geologic Energy Management Division, Bakersfield

Jennifer Prosser, Vice President - CFO, EnviroTech Consultants, Inc., Bakersfield

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

REVISED MONITORING AND REPORTING PROGRAM R5-2017-0036-022
FOR
WASTE DISCHARGE REQUIREMENTS GENERAL ORDER
OIL FIELD DISCHARGES TO LAND
GENERAL ORDER NUMBER THREE
FOR
HATHAWAY, LLC
FEE A AND FEE B LEASES IN THE DEVILS DEN OIL FIELD
KERN COUNTY

This revised Monitoring and Reporting Program (MRP) is required pursuant to California Water Code section 13267. The Discharger shall not implement any changes to this MRP unless and until the Central Valley Water Board adopts, or the Executive Officer issues, a revised MRP. Changes to sample location(s) shall be established with concurrence of Central Valley Water Board staff, and a description of the revised stations shall be submitted for approval by the Executive Officer.

This MRP includes monitoring, record-keeping, and reporting requirements. Monitoring requirements include monitoring of discharges of oil field produced wastewater, solid waste, application of recycled materials (wastewater and solids), and groundwater in order to determine if the Discharger is complying with the requirements of Waste Discharge Requirements General Order No. R5-2017-0036 (Order). All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. All analyses shall be performed in accordance with ***Standard Provisions and Reporting Requirements for Waste Discharge Requirements***, dated 1 March 1991 (Standard Provisions).

Field test instruments (such as a pH meter) may be used provided that the operator is trained in the proper use of the instrument, and each instrument is serviced and/or calibrated at the recommended frequency by the manufacturer or in accordance with manufacturer instructions.

Analytical procedures shall comply with the methods and holding times specified in the following: *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater* (EPA); *Test Methods for Evaluating Solid Waste* (EPA); *Methods for Chemical Analysis of Water and Wastes* (EPA); *Methods for Determination of Inorganic Substances in Environmental Samples* (EPA); *Standard Methods for the Examination of Water and Wastewater* (APHA/AWWA/WEF); and *Soil, Plant and Water Reference Methods for the Western Region* (WREP 125). Approved editions shall be those that are approved for use by the United States Environmental Protection Agency or the State Water Board's Environmental Laboratory Accreditation Program. The Discharger may propose alternative methods for approval by the Executive Officer.

The MRP can be modified if the Discharger provides sufficient data to support the proposed changes. If monitoring consistently shows no significant variation in magnitude of a constituent concentration or parameter after a statistically significant number of sampling events, the Discharger may request this MRP be revised by the Executive Officer to reduce monitoring frequency or minimize the list of constituents. The proposal must include adequate technical justification for reduction in monitoring frequency.

Monitoring requirements include the periodic visual inspection of the facility to ensure continued compliance with the Order. The MRP also requires submittal of information regarding the use of all chemicals used during well drilling, installation, operation, and maintenance activities associated with each well generating waste materials (liquids and solids) that are discharged to land and regulated under this Order.

This MRP requires the Discharger to keep and maintain records for five years from the date the monitoring activities occurred and to prepare and submit reports containing the results of monitoring specified below. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Central Valley Water Board.

FACILITY MONITORING

Permanent markers in ponds shall be in place with calibrations indicating the water level at design capacity and available operational freeboard (two feet minimum required). The freeboard shall be monitored **monthly** on all ponds to the nearest tenth of a foot.

Annually, prior to the anticipated rainy season, but **no later than 30 September**, the Discharger shall conduct an inspection of the facility, and include all ponds in the inspection, regardless of whether the ponds contain a discharge. The inspection shall assess repair and maintenance needed for: drainage control systems; netting; slope failure; groundwater monitoring wells, or any change in site conditions that could impair the integrity of the waste management units or precipitation and drainage control structures; and shall assess preparedness for winter conditions including, but not limited to, erosion and sedimentation control. The Discharger shall take and submit for Staff review, photos of any problem areas before and after repairs. Any necessary construction, maintenance, or repairs shall be **completed by 31 October**. Annual facility inspection reporting shall be **submitted by 1 February**.

The Discharger shall inspect all precipitation diversion and drainage facilities for damage **within 7 days** following major storm events (e.g., a storm that causes continual runoff for at least one hour) capable of causing flooding, damage, or significant erosion. The Discharger shall take and submit for Staff review photos of any problem areas before and after repairs. Necessary repairs shall commence **within 30 days** of the inspection. Notification and reporting requirements for major storm events shall be conducted as required in Reporting Requirements of this MRP.

The Discharger shall monitor and record on-site rainfall data using an automated rainfall gauge, or subject to Executive Officer approval other acceptable gauge/monitoring arrangement, or a weather monitoring station within three miles of the facility. Data shall

be used in establishing the severity of storm events and wet seasons for comparison with design parameters used for waste management unit design and conveyance and drainage design. Daily data and on-site observation shall be used for establishing the need for inspection and repairs after major storm events. Rainfall data shall be reported in the semi-annual monitoring reports, as required by this MRP.

CHEMICAL AND ADDITIVE MONITORING

The Discharger shall provide the following for all chemicals and additives[1] used at all leases and facilities that discharge produced wastewater to land:

Requirement	Frequency
A list of all chemicals and additives used including chemical formulas and specific chemical names.	Semi-Annually
The volume of each chemical and additive used in gallons.	Semi-Annually
A list of the leases and facilities where the chemicals and additives are being used.	Semi-Annually
Safety data sheets (SDS) for each chemical and/or additive.	Annually[2]

PRODUCED WASTEWATER MONITORING

Produced wastewater (also referred to as effluent or influent) samples shall be representative of the volume and nature of the discharges. The Discharger shall maintain all sampling and analytical results: date, exact place, and time of sampling; dates analyses were performed; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of five years.

A complete list of substances that are tested for and reported on by the testing laboratory shall be provided to the Central Valley Water Board. All peaks must be reported. In addition, both the method detection limit (MDL) and the practical quantification limit (PQL) shall be reported. Detection limits shall be equal to or more precise than USEPA methodologies. Analysis with an MDL greater than the most stringent drinking water standard that results in non-detection needs to be reanalyzed with the MDL set lower than the drinking water standard or at the lowest level achievable by the laboratory. All quality assurance/quality control (QA/QC) samples must be run on the same dates when the samples were actually analyzed.

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[1] Chemicals that are a part of trade secrets shall be kept confidential at the Central Valley Water Board. Documents containing trade secrets shall be properly marked on the cover, by the Discharger, prior to submitting the document to the Central Valley Water Board. Individuals that have received permission by the Discharger shall be granted access to view the files at the office.

[2] To be submitted with the Second Semi-Annual Self-Monitoring Reports.

Proper chain of custody procedures must be followed, and a copy of the completed chain of custody form shall be submitted with the report. All analyses must be performed by an Environmental Laboratory Accreditation Program (ELAP) certified laboratory.

If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the Discharger shall monitor and record data for all of the constituents listed below, after which the frequencies of analysis given in the schedule shall apply for the duration of each such intermittent discharge.

DISCHARGE 001

Produced wastewater samples shall be collected downstream from the treatment system and prior to discharge to land (roads, ponds, etc.) (Discharge 001). Produced wastewater monitoring for Discharge 001 shall include at least the following:

Constituent/Parameter	Units	Sample Type	Frequency
Flow	mgd[3]	Metered[4]	Continuous
Table I – Effluent Monitoring	Varies	Grab	Semi-Annual

DISCHARGE 002

If ponds are used, produced wastewater samples shall be collected in the pond at the distal end of the system (Discharge 002), or if ponds are operated in parallel, in the pond that has contained produced wastewater for the longest period of time (i.e., longest retention time) (Discharge 002). Produced wastewater monitoring for Discharge 002 shall include at least the following:

Constituent/Parameter	Units	Sample Type	Frequency
Table I – Effluent Monitoring	Varies	Grab	Semiannual

SOLID WASTE MONITORING

Solid waste generated at the facility from production related activities, such as tank or pond maintenance, shall be characterized for disposal. Under an approved solids waste management plan, non-hazardous solid wastes may be disposed on-site, as road or berm construction material, for instance, if such disposal does not pose a threat to water quality.

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[3] mgd = million gallons per day

[4] In accordance to Order Provision E.3, instead of metering an engineered alternative may be used if approved in writing by the Executive Officer.

Hazardous waste (as defined in California Code of Regulations (CCR), title 22, section 66261.1) and designated wastes (as defined in California Water Code (CWC) section 13173) shall be properly disposed of at a Facility permitted to accept the waste.

Solid wastes disposed off-site shall be transported to an appropriately permitted facility.

Solid waste volumes, disposal methods, disposal facilities, and analytical results from waste characterization shall be reported in the subsequent semi-annual and annual monitoring reports.

REPORTING REQUIREMENTS

All monitoring results shall be reported in semi-annual Monitoring Reports which are due by the first day of the second month after the monitoring period as follows:

Requirement	Due date
First Semi-annual Monitoring Report (January – June):	1 August
Second Semi-annual Monitoring Report (July – December):	1 February
Safety data sheets (SDS) for each chemical and/or additive:	1 February
Facility Inspection Report (Completed by 30 October):	1 February

A transmittal letter shall accompany each monitoring report. The transmittal letter shall discuss any violations that occurred during the reporting period and all actions taken or planned for correcting violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions or a time schedule for implementing the corrective actions, reference to the previous correspondence is satisfactory. Reports shall be submitted whether or not there is a discharge.

The following information is to be included for each facility on all monitoring reports, as well as report transmittal letters:

Discharger's name
Facility/Lease names
Waste Discharge Requirements R5-2017-0036-022
Revised Monitoring and Reporting Program R5-2017-0036-022
Corresponding GeoTracker Site Global ID numbers

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible for all historical and current data. The data shall be summarized in such a manner that illustrates clearly, whether the Discharger complies with waste discharge requirements.

In addition to the details specified in Standard Provision C.3, monitoring information shall include the MDL and the Reporting limit (RL) or PQL. If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL), but above the MDL, shall be reported and flagged as estimated.

If the Discharger monitors any constituent at the locations designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the semi-annual monitoring reports. Such increased frequency shall be indicated in the semi-annual monitoring reports.

All monitoring reports shall comply with the signatory requirements in Standard Provision B.3. All monitoring reports that involve planning, investigation, evaluation, design, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice in California pursuant to California Business and Professions Code sections 6735, 7835, and 7835.1.

The Discharger shall submit electronic copies of all documents and associated data files in the applicable electronic submittal information (ESI) formats for the appropriate facilities under their respective Global IDs over the Internet to the State Water Board Geographic Environmental Information Management System database (GeoTracker) at http://www.waterboards.ca.gov/ust/electronic_submittal/index.shtml.

A frequently asked question document for GeoTracker can be found at http://www.waterboards.ca.gov/ust/electronic_submittal/docs/faq.pdf.
A 2019 revised GeoTracker Electronic Submittal of Information Beginner's Guide for Responsible Parties can be found at https://www.waterboards.ca.gov/ust/electronic_submittal/docs/geotracker_esi_rp_beginners_guide_revisedoct2019.pdf.
Electronic submittals shall comply with GeoTracker standards and procedures, as specified on the State Water Board's web site. Uploads to GeoTracker shall be completed on or prior to the due date.

All Semi-Annual Monitoring Reports shall include the following:

Facility reporting:

1. Monthly freeboard results as specified on MRP page 2 and 3.
2. The results of Facility inspections conducted during the monitoring period as specified on MRP page 2 and 3.
3. Rainfall data as specified on MRP page 2 and 3.

Chemical and Additive reporting:

1. The data required as specified on MRP page 3.

Produced Wastewater reporting:

1. Tabular summary of current and historical results of wastewater discharges as specified on MRP page 3 and 4.
2. For each month of the monitoring period, calculation of monthly discharge flow volumes and the historical monthly discharge flow volumes for the last 12-months.

Solid Waste reporting:

1. The results of solid waste monitoring specified on MRP page 4 and 5, including the nature, volume, and weight in dry tons of solid waste produced during the reporting period.
2. Analytical results characterizing the solid waste, and particularly, whether the waste is hazardous as defined in CCR, title 22, section 66261.1).
3. The method of disposal and disposal locations of solid waste.
4. If wastes are hauled to a disposal facility, evidence that the disposal facility is properly permitted.

Second Semi-Annual Monitoring Reports, in addition to the above, **by 1 February of each year**, the Discharger shall submit for Staff review a written report containing the following:

Production Facility information:

1. The names and general responsibilities of all persons employed to operate the produced wastewater treatment systems.
2. The names and telephone numbers of persons to contact regarding the Facility for emergency and routine situations.
3. If field meters are used, then a statement certifying when the flow meters and other monitoring instruments and devices were last calibrated, including identification of who performed the calibration (Standard Provision C.4).
4. A summary of all spills/releases, if any, that occurred during the year at the facility, tasks undertaken in response to the spills, and the results of the tasks undertaken.
5. A summary of the chemical and additive data collected under the Chemical and Additive Monitoring section, the required SDSs, chemical formulas and specific chemical names, and a discussion of whether any of the chemicals or additives were found in effluent discharges.
6. A flow chart (i.e. diagram that clearly illustrates all processes that produced wastewater undergoes from well extraction to discharge to land) and map of the following:
    - Facility within the oil field,
    - Facility/Lease boundaries
    - Production and wastewater distribution network with all stock tanks, and transfer pipes, and discharge points to the ponds.
7. Annual report in tabular form for all the wastewater data.

Requesting Administrative Review by the State Water Board. Any person aggrieved by an action of the Central Valley Water Board that is subject to review as set forth in Water Code section 13320(a), may petition the State Water Board to review the action. Any petition must be made in accordance with Water Code section 13320 and California Code of Regulations, title 23, section 2050 and following. The State Water Board must receive the petition within thirty (30) days of the date the action was taken, except that if the thirtieth day following the date the action was taken falls on a Saturday, Sunday, or state holiday, then the State Water Board must receive the petition by 5:00 p.m. on the next business day. Copies of the laws and regulations applicable to filing petitions may be found on the internet at http://www.waterboards.ca.gov/public_notices/petitions/water_quality/index.shtml or will be provided upon request.

Modifications. Any modification to this revised Monitoring and Reporting Program shall be in writing and approved by the Assistant Executive Officer, including any extensions. Any written extension request by the Discharger shall include justification for the delay.

The Discharger shall implement the above revised monitoring program on the first day of the following monitoring period.

Ordered by: *Original signed by Alex Olsen*

for PATRICK PULUPA, Executive Officer

18 December 2025

(Date)

Table I-Effluent Monitoring			
Parameters	**Units**	**US EPA or another Method[5]**	**Reporting Frequency**
Field Parameters			
Temperature	°C[6]	Meter	Semi-Annually
Electrical Conductivity	µmhos/cm[7]	Meter	Semi-Annually
pH	pH units	Meter	Semi-Annually
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L[8]	160.1	Semi-Annually
Total Suspended Solids (TSS)	mg/L	160.2	Semi-Annually
Electrical Conductivity	µmhos/cm	2510B	Semi-Annually
Total Organic Carbon	mg/L	415.3	Semi-Annually
Boron, dissolved	mg/L	6010B	Semi-Annually
Standard Minerals			
Alkalinity as CaCO3	mg/L	310.1	Semi-Annually
Bicarbonate Alkalinity as CaCO3	mg/L	310.1	Semi-Annually
Carbonate Alkalinity as CaCO3	mg/L	310.1	Semi-Annually
Hydroxide Alkalinity as CaCO3	mg/L	310.1	Semi-Annually
Sulfate, dissolved	mg/L	300.0	Semi-Annually
Nitrate-N, dissolved	mg/L	300.0	Semi-Annually
Calcium, dissolved	mg/L	6010B	Semi-Annually
Magnesium, dissolved	mg/L	6010B	Semi-Annually
Sodium, dissolved	mg/L	6010B	Semi-Annually
Potassium	mg/L	6010B	Semi-Annually
Chloride	mg/L	300.0	Semi-Annually
PAHs[9]			
Acenaphthene	µg/L[10]	8270	Semi-Annually
Chrysene	µg/L	8270	Semi-Annually
Fluoranthene	µg/L	8270	Semi-Annually
Fluorene	µg/L	8270	Semi-Annually
Naphthalene	µg/L	8270	Semi-Annually
Phenanthrene	µg/L	8270	Semi-Annually

[5] Appropriate analytical methods may be proposed by the Discharger but are subject to the approval of the Assistant Executive Officer
[6] Degrees in Celsius
[7] Micromhos per centimeter
[8] Milligrams per liter
[9] Polycyclic aromatic hydrocarbons
[10] Micrograms per liter

Pyrene	µg/L	8270	Semi-Annually
Table I - Effluent Monitoring			
Parameters	**Units**	**US EPA or another Method[11]**	**Reporting Frequency**
Total Petroleum Hydrocarbons (TPH)	µg/L	418.1	Semi-Annually
Volatile Organic Compounds			
Acetone	µg/L	8260B	Semi-Annually
Benzene	µg/L	8260B	Semi-Annually
sec-Butylbenzene	µg/L	8260B	Semi-Annually
Ethylbenzene	µg/L	8260B	Semi-Annually
Isopropylbenzene	µg/L	8260B	Semi-Annually
4-Isopropyltoluene	µg/L	8260B	Semi-Annually
n-Propyl Benzene	µg/L	8260B	Semi-Annually
Tert-butyl alcohol	µg/L	8260B	Semi-Annually
Toluene	µg/L	8260B	Semi-Annually
1,2,4-Trimethylbenzene	µg/L	8260B	Semi-Annually
1,3,5-Trimethylbenzene	µg/L	8260B	Semi-Annually
m,p-Xylene	µg/L	8260B	Semi-Annually
o-Xylene	µg/L	8260B	Semi-Annually
Xylenes, total	µg/L	8260B	Semi-Annually
Oil and Grease	mg/L	1664A	Semi-Annually
Stable Isotopes			
Oxygen (18O)	pCi/L[12]	900.0	Semi-Annually
Deuterium (Hydrogen 2, 2H, or D)	pCi/L	900.0	Semi-Annually
Radionuclides			
Uranium	pCi/L	200.8	Semi-Annually
Radium-226	pCi/L	SM[13] 7500-Ra	Semi-Annually
Radium-228	pCi/L	SM 7500-Ra	Semi-Annually
Gross Alpha particle (excluding radon and uranium)	pCi/L	SM 7110	Semi-Annually
Metals			
Lithium	mg/L	200.7	Semi-Annually

[11] Appropriate analytical methods may be proposed by the Discharger but are subject to the approval of the Assistant Executive Officer

[12] Picocuries per liter

[13] Standard Methods

Strontium	mg/L	200.7	Semi-Annually
Table I - Effluent Monitoring			
Parameters	**Units**	**US EPA or another Method[14]**	**Reporting Frequency**
Metals (continued)			
Iron	mg/L	200.8	Semi-Annually
Manganese	mg/L	200.8	Semi-Annually
Antimony	mg/L	200.8	Semi-Annually
Arsenic	mg/L	200.8	Semi-Annually
Barium	mg/L	200.8	Semi-Annually
Beryllium	mg/L	200.8	Semi-Annually
Cadmium	mg/L	200.8	Semi-Annually
Chromium (total)	mg/L	200.8	Semi-Annually
Chromium (hexavalent)	mg/L	7196A	Semi-Annually
Cobalt	mg/L	200.8	Semi-annually
Copper	mg/L	200.8	Semi-annually
Lead	mg/L	200.8	Semi-annually
Mercury	mg/L	7470A	Semi-Annually
Molybdenum	mg/L	200.8	Semi-Annually
Nickel	mg/L	200.8	Semi-Annually
Selenium	mg/L	200.8	Semi-Annually
Silver	mg/L	200.8	Semi-Annually
Thallium	mg/L	200.8	Semi-Annually
Vanadium	mg/L	200.8	Semi-Annually
Zinc	mg/L	200.8	Semi-Annually
Oil Production and Process Chemicals and Additives[15]	mg/L or µg/L	As Appropriate[16]	Semi-Annually

[14] Appropriate analytical methods may be proposed by the Discharger but are subject to the approval of the Assistant Executive Officer

[15] The Discharger shall provide analytical results for all chemicals and additives used in the exploration, production, and/or processing of all oil and the treatment of produced wastewater discharged to land (e.g., ponds, roads, etc.) as described under the Chemical and Additive Monitoring section of the MRP for which there are ELAP approved analyses. For those constituents for which there are not ELAP approved analytical methods, the Discharger shall submit a technical report describing how it intends to address this issue.

[16] Appropriate analytical methods may be proposed by the Discharger but are subject to Staff approval.