California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program
Order No R1-2023-0048
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2018-0022)

for

ExxonMobil Environmental and Property Solutions Company

Exxon #7-3035
4501 Sonoma Highway
Santa Rosa, CA

Case No. 1TSR295

Sonoma County

This Monitoring and Reporting Program Order is issued to ExxonMobil Environmental and Property Solutions Company (Discharger) pursuant to California Water Code (Water Code) section 13267 (b) and requires monitoring of groundwater and submission of technical reports. The objective of monitoring conducted under this monitoring program is to provide the Discharger and the Regional Water Board with information concerning groundwater quality and pollutant trends at the site, necessitated by the historic discharge of waste to the subsurface. The burden, including costs, of these reports bears a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program Order No. R1-2018-0022.

The failure to furnish any of the required reports, or the submittal of substantially incomplete reports or false information, is a misdemeanor, and may result in additional enforcement actions being taken against the Discharger, including issuance of an Administrative Civil Liability (ACL) Complaint pursuant to Water Code section 13268. Liability may be imposed pursuant to Water Code section 13268 in an amount not to exceed one thousand dollars ($1,000) for each day in which the violation occurs.

Under the authority of Water Code section 13267, the Discharger named above is required to comply with the following:

MONITORING

1. Prior to purging, the depth to groundwater shall be determined to at least 0.01-foot increments in all groundwater monitoring wells associated with this case during each monitoring event.

2. Prior to purging, the presence of floating product shall be evaluated in each monitoring well during each monitoring event. If floating product is detected, the thickness shall be measured to the nearest 0.01-foot increment. Floating product measurements, to at least 0.01-foot increments, and the presence of sheen, shall be reported in each groundwater monitoring report.

3. The following groundwater monitoring wells shall be sampled annually during the first calendar quarter: MW9B, MW9CR, MW10B, MW10C, MW11B, MW11C, MW14A, and MW16A.

4. The following groundwater monitoring wells shall be sampled semiannually during the first and third calendar quarters: MW5B, MW5CR, MW12B, MW12C, MW13B, MW13C, MW14B, MW14C, MW15B, MW15C, MW16B, MW16C, MW17B, MW17C, MW18B, and MW18C.

5. The groundwater monitoring well samples shall be analyzed as specified in Appendix 1 of this Monitoring and Reporting Program.

6. Per Water Code section 13176, all laboratory analyses shall be performed at a California certified laboratory. Analytical methods for sample analyses shall achieve practical quantitation limits that are adequate for evaluating regulatory action levels for each constituent.

REPORTING

1. Semiannual monitoring reports shall be submitted to the Regional Water Board in accordance with the following schedule:

Sampling Period	Due Date
First Quarter - January, February, March	May 1 of the same year
Third Quarter – July, August, September	November 1 of the same year

2. Monitoring data and reports shall be submitted to the Regional Water Board via the State Water Resources Control Board’s Geographic Environmental Information Management System database (GeoTracker) as specified in Title 23, Division 3, Chapter 30, Article 2, Sections 3890-3895 of the California Code of Regulations.

3. Monitoring reports shall be prepared by or under the supervision of a California Professional Civil Engineer or Geologist.

4. The groundwater elevation data calculated from the depth to water measurements shall be referenced to the same elevation datum used for GeoTracker.

5. Each semiannual monitoring report shall include the following elements:

    a. A narrative description of the work conducted.
    b. Field notes and/or sampling logs documenting such activities as well purging, aquifer parameter testing, well recharge prior to sampling.
    c. Chain-of-custody documentation.
    d. Laboratory reports, including QA/QC data.
    e. An accurately scaled site plan showing all sampling points in relation to significant site features.
    f. Groundwater elevation contours plotted at the same scale as the site plan.
    g. Groundwater contaminant concentrations plotted at the same scale as the site plan.
    h. Tabular results of the depth to groundwater measurements indicating the surveyed elevations of each reference point, depth to groundwater from the reference point, and the actual groundwater elevation.
    i. Data tables summarizing all current and historical analytical data for the site constituents of concern for each sampling station.

Ordered by _____
Valerie Quinto
Executive Officer

July 26, 2023

APPENDIX 1

Table of groundwater sample constituent analyses for analysis (with reporting limits)

Constituent of Concern	Practical Quantitation Limit[1] (µg/L)
Total petroleum hydrocarbons – gasoline range organics	50
Total petroleum hydrocarbons – diesel range organics[2]	50
Benzene	0.5
Toluene	0.5
Ethylbenzene	0.5
Xylenes	0.5
Methyl tert-butyl ether (MTBE)[3]	0.5
Tert-butyl alcohol (TBA)[3]	5

Notes
[1] For undiluted samples without interference, the laboratory reporting limit shall meet or be lower than the data quality objective
[2] Without silica gel cleanup
[3] Analyses for MTBE and TBA shall be done using US EPA method 8260B or equivalent