



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

Certified Mail - Return Receipt Requested

July 18, 2023



John Moore
Environmental Superintendent
Western Refining, Southwest Inc., Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301

**RE: RESPONSE TO APPROVAL WITH MODIFICATIONS
2021 ANNUAL GROUNDWATER MONITORING REPORT
WESTERN REFINING SOUTHWEST LLC, GALLUP REFINERY
MCKINLEY COUNTY, GALLUP, NEW MEXICO
EPA ID# NMD000333211
HWB-WRG-22-006**

Dear Mr. Moore,

The New Mexico Environment Department (NMED) has completed its review of Marathon Petroleum Company dba Western Refining Southwest Inc., Gallup Refinery (the Permittee's) *Response to Approval with Modifications 2021 Annual Groundwater Monitoring Report* (Response), dated December 7, 2022. Although the Permittee received an Approval with Modifications for the 2021 monitoring report, the response to comments did not fully address all of NMED's comments. The Permittee must address the following comments.

Comment 1

In the response to NMED's Approval with Modifications Comment 5, the Permittee states, "[a]s stated in Section IV.L.4.h of the 2017 RCRA Post-Closure Permit (Modified September 2017): "A table summarizing the laboratory analytical data, QA/QC data, applicable cleanup levels, and modifications to the sampling program can be substituted for this section." The data validation reports included as Appendix D of the Report provide the data qualifiers and the reasons for the qualifications, which is summarized in the Data Qualification Summary (i.e., QA/QC data) tables provided at the end of each data validation report. No revisions to the Report were made." The tables listing the analytes where analytical results were rejected must not be included in the appendices. These tables must be included in the main body of the Report and the results discussed in the appropriate section(s) of the Report. As stated in Approval with Modifications Comment 5, the Permittee is required to identify the analytes where analytical results were

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Hazardous Waste Bureau - 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505-6313
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rejected and discuss the cause of rejection within the text of the Report. Include the revised tables and discussion in the main body of the revised Report and provide replacement pages.

Comment 2

In the response to NMED's Approval with Modifications Comment 6, the Permittee states, "[t]he discussion regarding fluid recovery events via vacuum truck is referencing MKTF, OW, and RW wells listed in Table 6-3, in addition to recovery in the standpipe and retention ditch and borrow pit sumps. This information is also provided quarterly in the Hydrocarbon Interim Measures Seep Reports. No revisions were made to the Report." Table 6-3 only lists fluid recovery data for MKTF and RW wells. To clarify, NMED's Approval with Modifications Comment 6 requires the Permittee to state that fluid recovery events were no longer conducted for the OW wells in the Report. Revise the Report accordingly and provide replacement pages.

Comment 3

In the response to NMED's Approval with Modifications Comment 9a, the Permittee states, "[b]ecause the cleanup levels are not dependent on the analytical method used, they are not necessary to display on Table 3-2 (Cleanup Levels). The analytical methods used can be viewed in Appendix C (Lab Reports) and are also outlined in the 2021 groundwater work plan. No revisions to the Report were made." Although the analytical methods are identified in Appendix C, NMED requires a table that presents the analytical methods used to conduct analyses for analytes in the main body of the Report rather than in the appendices (see Comment 1 above).

In addition, although the Permittee references the 2021 groundwater work plan, citing analytical methods from the work plan is not appropriate. It is important to present the analytical methods because the Permittee is required to demonstrate that the NMED's previous directions and approved work plan were followed during the sampling period. Modify Table 3-2 to include the information regarding the analytical methods, as directed or include a separate table that provides the required information in the revised Report and provide replacement pages.

Comment 4

In the response to NMED's Approval with Modifications Comment 9b, the Permittee states, "GRO and TPH (C6-C10) as well as Motor oil, ORO, and TPH (C28-40) are all included on Table 3-2 and Table 5-5 (General Chemistry and Total Petroleum Hydrocarbon Analytical Data) because they represent different historical analytical methods even though they can be viewed as repetitive. They were all included separately for clarity when referencing the tables." The presentation of the data is confusing. It is unnecessary to present GRO and TPH (C6-C10) separately in the tables. GRO and TPH (C6-C10) must be regarded as the same analyte in the

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tables. Similarly, it is unnecessary to present motor oil, ORO, and TPH (C28-40) separately in the tables. Motor oil, ORO, and TPH (C28-40) must be regarded as the same analyte in the tables. Revise all applicable sections and tables of the Report and provide replacement pages.

Comment 5

In the response to NMED's Approval with Modifications Comment 9b, the Permittee states, "[h]owever, this also means that TPH (C28-C40) and TPH (C6-C10) have incorrect screening levels as "NA". The screening levels for these compounds have been corrected on both Table 3-2 and Table 5-5." Attachment B containing the electronic redline strikeout (RLSO) version of the Report does not provide any tables or figures; therefore, it is not clear which information in the tables was corrected. The RLSO version of the Report must identify all revisions made to the Report, including the tables, figures, and the text. Provide an electronic RLSO version of the Report showing all revisions.

Comment 6

In the response to NMED's Approval with Modifications Comment 10a, the Permittee states, "[f]or the 2021 reporting period, 1,4-dioxane was analyzed using EPA Method 8270SIM. For future reference, the methods used for all analyte analyses can be viewed on the lab reports which are included in as Appendix C." Although NMED is aware that the lab reports included in Appendix C identify the analytical methods for analytes, NMED requires a table that depicts the analytical methods used to conduct analyses (see Comments 1 and 3 above). Revise the Report accordingly.

Comment 7

In the response to NMED's Approval with Modifications Comment 12, the Permittee states, "[t]he health advisory level is for the total of three PFAS compounds, not all PFAS. The correction is included on updated Table 5-7." NMED's October 2022 Risk Assessment Guidance for Investigations and Remediation (RAG) provides screening levels for per- and polyfluorinated substances (PFAS) species. Incorporate the screening levels of the PFAS species provided in the RAG in future groundwater monitoring reports. No revision is required to the Report.

The Permittee must address all comments above and submit a response letter, replacement pages, an electronic version of the revised Report, and a complete RLSO version of the Report no later than **October 31, 2023**. These comments must also be incorporated into future monitoring reports and submittals, as applicable.

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If you have questions regarding this letter, please contact Michiya Suzuki of my staff at 505-690- 6930.

Sincerely,

Ricardo Maestas Digitally signed by Ricardo Maestas
Date: 2023.07.17 15:51:54 -06'00'

Ricardo Maestas
Acting Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
L. Tsinnajinnie, NMED HWB
L. Andress, NMED HWB
M. Suzuki, NMED HWB
H. Jones, Trihydro
L. King, EPA Region 6 (6LCRRC)

File: Reading File and WRG 2023 file