Enterprise Products

ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS HOLDINGS LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

March 18, 2025

Submitted online via OCD E-Permitting:
https://wwwapps.emnrd.nm.gov/OCD/OCDPermitting/default.aspx

Mr. Michael Buchanan
New Mexico Energy, Minerals & Natural Resources
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: 2024 Groundwater Monitoring Report (Ensolum, March 13, 2025)
Enterprise Field Services, LLC
Lateral K-51 Pipeline Release (4/13/2010)
Rio Arriba County, New Mexico [S34 and 35, T26N R6W (36.4465° N, 107.4461° W)]
OCD RP: 3R-446; Stage 1 AP-130; Incident No. nAUTOFAB00318

Dear Mr. Buchanan:

Enterprise Products Operating LLC (Enterprise), on behalf of Enterprise Field Services, LLC, is pleased to submit to New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) one electronic copy (online via OCD E-Permitting) of the above-referenced document prepared by Ensolum, LLC (Ensolum). The report is associated with the Enterprise Lateral K-51 release of natural gas condensate liquids that occurred on April 13, 2010 from a natural gas gathering pipeline, located in Rio Arriba County, New Mexico (the "Site"). The report summarizes on-site activities that occurred between January 1, 2024 and December 31, 2024 ("reporting period"). During the reporting period, on-going groundwater monitoring and sampling (GWM&S) activities were continued to evaluate the magnitude and stability of the dissolved-phase hydrocarbon (DPH) plume in groundwater.

Based on the data contained within the attached Submittals, Enterprise plans to: 1) continue conducting semi-annual GWM&S events; 2) replace monitoring well MW-18; and 3) evaluate remedial alternatives.

Should you have any questions, comments, or concerns, or require additional information, please contact Valerie Phipps via email (vphipps@eprod.com) or phone (713-381-4698).

Sincerely,

Valerie J. Phipps
Engineer, Staff Environmental

W. Tucker Jacobson
Senior Manager, Environmental

cc: BLM, Farmington, NM – Mr. J. Nolan Craun <6251 College Blvd., Suite A, Farmington, NM 87402>
Landowner – Mr. Russell Luna < PO Box 753, Bloomfield, NM 87413-0753>

ec: Ensolum – Mr. Kyle Summers < ksummers@ensolum.com >

ENSOLUM

2024 GROUNDWATER MONITORING REPORT

Property:

Lateral K-51 Pipeline Release (2010)
Unit Letter H of S34 and Unit Letter E of S35 T26N R6W
Rio Arriba County, New Mexico

New Mexico EMNRD OCD RP No. 3RP-446
Abatement Plan No. 130
Incident ID No. nAUTOfAB000318

March 13, 2025

Ensolum Project No. 05A1226010

Prepared for:

Enterprise Field Services, LLC
P.O. Box 4324
Houston, Texas 77210-4324
Attn: Mr. Peter Cain

Prepared by:

Landon Daniell
Project Geologist

Kyle Summers
Senior Managing Geologist

Executive Summary

This report documents the 2024 groundwater monitoring activities conducted at the Lateral K-51 Pipeline Release (2010) site, referred to hereinafter as the "Site". The Site is located within the Enterprise Field Services, LLC (Enterprise) pipeline right-of-way (ROW) in Sections 34 and 35, Township 26 North, Range 6 West, in Rio Arriba County, New Mexico (NM).

On April 13, 2010, a release of natural gas condensate occurred from the Lateral K-51 pipeline. The initial site assessment identified concentrations of constituents of concern (COCs) in soil and groundwater above the applicable NM Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) closure criteria and the NM Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs). Delineation and initial excavation activities conducted between June 2010 and March 2012 identified additional concentrations of COCs above the applicable NM EMNRD OCD closure criteria for soils and above the NM WQCC GQSs for groundwater. During 2011, in-situ chemical oxidation (ISCO) was performed in the immediate area of the release.

Quarterly and semi-annual groundwater monitoring was conducted from 2012 through 2014 and 2015 through 2022, respectively. Groundwater samples collected during these sampling events exhibited concentrations of COCs above the WQCC standards.

The primary objective of the 2024 groundwater monitoring was to further evaluate the concentrations of COCs in groundwater and to monitor COC concentrations over time at the Site.

Findings based on these activities are as follows:

- The groundwater flow direction at the Site is generally towards the west-northwest, with an approximate average gradient of 0.007 feet per foot (ft/ft) across the Site.
- Benzene was reported at concentrations exceeding the NM WQCC GQS of 10 micrograms per liter (µg/L) (see footnote in report) in groundwater samples collected from monitoring well MW-19 during the June 2024 and December 2024 sampling events. The groundwater samples collected from the other monitoring wells sampled in 2024 did not exhibit COC concentrations above the applicable WQCC GQSs.
- Monitoring well MW-19 has exhibited relatively stable benzene concentrations since 2012.

Ensolum offers the following recommendations:

- Report the groundwater monitoring results to the NM EMNRD OCD.
- Continue semi-annual groundwater monitoring at the Site according to the scope proposed in Section 2.0.
- Replace monitoring well MW-18, as described in the Stage 1 Abatement Plan and as approved by the NM EMNRD OCD in an email dated June 8, 2020.
- Discuss remediation alternatives to the previously proposed recovery well with the NM ENMRD OCD.

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LIST OF APPENDICES

1.0 INTRODUCTION

This report describes the 2024 groundwater monitoring activities conducted at the Lateral K-51 Pipeline Release (2010) site, referred to hereinafter as the "Site".

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Lateral K-51 Pipeline Release (2010)
NM EMNRD OCD Incident ID No.	nAUTOfAB000318
Location:	36.4465° North, 107.4461° West Unit Letter H of Section 34 and Unit Letter E of Section 35, Township 26 North, Range 6 West Rio Arriba County, New Mexico
Property:	United States (US) Bureau of Land Management (BLM) and Private Land
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On April 13, 2010, an estimated ten barrels of natural gas condensate were released from the Enterprise Lateral K-51 pipeline. The pipeline was subsequently repaired, and remediation activities were initiated to remove hydrocarbon affected soils. Souder, Miller, and Associates (SMA) collected confirmation soil samples and one groundwater sample from the final excavation. The excavation was then backfilled with unaffected soils. Confirmation soil samples collected from the excavation exhibited concentrations of constituents of concern (COCs) above the applicable EMNRD OCD closure criteria for soils. The groundwater sample exhibited concentrations of COCs above the New Mexico Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs) for groundwater.

During June 2010, eight soil borings (BH-1 through BH-8) were advanced by LT Environmental (LTE). Four of the soil borings were completed as groundwater monitoring wells (MW-1 through MW-4). Analytical results from soil samples collected immediately adjacent to the release and near the groundwater interface (BH-1) indicated COC concentrations above the applicable New Mexico EMNRD OCD closure criteria. Analysis of groundwater samples collected from monitoring wells MW-1 through MW-4 indicated COC concentrations above the New Mexico WQCC GQSs (*Site Investigation Report*, LTE, August 9, 2010).

During April 2011, nine soil borings/monitoring wells (SB-9, SB-10, MW-11 through MW-14, SB-15, MW-16, and MW-17) were advanced by Southwest Geoscience (SWG) to further evaluate the extent of dissolved phase COCs in groundwater. Additionally, 15 injection points were installed to facilitate the proposed in-situ chemical oxidation (ISCO) of the COCs utilizing a hydrogen peroxide solution. ISCO activities were performed during May 2011 (*Supplemental Site Investigation and Corrective Action Report*, SWG, October 5, 2011). Based on the distribution of COCs in groundwater, it appears that a former drip valve, tank, or pit may have also provided a historic source of petroleum hydrocarbon impact to groundwater (New Mexico EMNRD OCD reference 3RP-206, *El Paso Natural Gas, Final Pit Closure*) in the vicinity of monitoring well MW-14.

During March 2012, three additional soil borings/monitoring wells (MW-18, MW-19, and MW-20) were advanced near and downgradient of the historic release area to further evaluate the extent of COCs in groundwater (*Supplemental Site Investigation & Corrective Action Work Plan*, SWG,

April 23, 2012). Soil boring/monitoring well MW-18 was advanced west of the presumed location of the historic release, and soil borings/monitoring wells MW-19 and MW-20 were advanced to the north and northwest, respectively, of the presumed location of the historic release.

Quarterly and semi-annual groundwater monitoring was conducted from 2012 through 2014 and 2015 through 2018, respectively. During February 2019, Enterprise assigned management of the project to Ensolum, LLC (Ensolum).

During May of 2019, Enterprise submitted a revised Stage 1 Abatement Plan for this Site to the New Mexico EMNRD OCD (*Revised Lateral K-51 Pipeline Release (2010) Stage 1 Abatement Plan*, Ensolum, May 22, 2019). The New Mexico EMNRD OCD has not approved the plan, and Enterprise has resumed semi-annual groundwater monitoring of the Site.

Groundwater monitoring activities performed between 2019 and 2024 are documented in the following reports:

- *2019 Groundwater Monitoring Report*, Ensolum, August 10, 2020
- *2020 Groundwater Monitoring Report*, Ensolum, March 19, 2021
- *2021 Groundwater Monitoring Report*, Ensolum, March 29, 2022
- *2022 Groundwater Monitoring Report*, Ensolum, March 22, 2023
- *2023 Groundwater Monitoring Report*, Ensolum, April 14, 2024

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to oil and gas releases, the New Mexico EMNRD OCD references 19.15.29 New Mexico Administrative Code (NMAC) *Releases,* which establishes investigation and abatement action requirements for sites that are subject to reporting and/or corrective action. Additionally, the New Mexico EMNRD OCD utilizes the New Mexico WQCC GQS (20.6.2 NMAC *Ground and Surface Water Protection*) to evaluate groundwater conditions.[1]

The Site location is depicted on **Figure 1** of **Appendix A** which was reproduced from a portion of a United States Geological Survey (USGS) 7.5-minute series topographic map. A **Site Vicinity Map**, created from an aerial photograph, is provided as **Figure 2**, and a **Site Map**, which indicates the approximate locations of the monitoring wells and previous soil boring locations in relation to pertinent structures and general Site boundaries, is included as **Figure 3** of **Appendix A**.

1.2 Project Objective

The objective of the groundwater monitoring was to further evaluate groundwater quality at the Site and evaluate natural attenuation of COC concentrations over time.

2.0 GROUNDWATER MONITORING

Ensolum conducted groundwater sampling events during June 2024 and December 2024. The groundwater sampling program consisted of the collection of one groundwater sample from each of the viable monitoring wells at the Site. Monitoring well MW-18 appears to be obstructed (silted in or collapsed) and was not gauged for potentiometric mapping purposes. MW-18 was sampled during the May 2023 and June 2024 and sampling events; however, water in the well was likely attributable to rainwater perched atop the blockage and, as such, this well will not be sampled further.

[1] NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.

On June 8, 2020, the New Mexico EMNRD OCD approved a request to reduce the sampling frequency for monitoring wells MW-3 and MW-11 through MW-13 to annually. Therefore, only eight monitoring wells were sampled during the December 2024 sampling event. The New Mexico EMNRD OCD was notified of the sampling events, although no representative was present to observe the sampling activities. Regulatory correspondence is provided in **Appendix B**.

All wells have been below WQCC since at least 2016 except for MW-19; therefore, the amended groundwater monitoring schedule is proposed:

Event	Monitoring Wells*
1st semi-annual event	Gauge and sample all wells (MW-1 through MW-4, MW-11 through MW-14, MW-16, MW-17, MW-18R*, MW-19, and MW-20)
2nd semi-annual event	Gauge and sample MW-18R* and MW-19 only

*MW-18R is pending installation.

Ensolum's groundwater sampling program consisted of the following:

- Prior to sample collection, Ensolum gauged the depth to fluids in each monitoring well using an interface probe capable of detecting non-aqueous phase liquid (NAPL).
- Each designated monitoring well was sampled utilizing micro-purge low-flow sampling techniques. Following the completion of the micro-purge process, the groundwater sample was collected.
- Low-flow or low-stress sampling refers to sampling methods that are intended to minimize the stress that is imparted to the formation pore water in the vicinity of the well screen. Water level drawdown provides the best indication of the stress that is imparted by a given flow rate for a given hydrological situation. Pumping rates of 0.1 to 0.5 liters per minute (L/min) are typically maintained during the low-flow/low-stress sampling activities, using dedicated or decontaminated sampling equipment.
- During low-flow sampling, groundwater samples are collected from each monitoring well once produced groundwater is consistent in color, clarity, pH, temperature, and conductivity. Measurements are typically observed every three to five minutes while purging. Purging is considered complete once key parameters (especially pH and conductivity) have stabilized for at least three consecutive readings.
- Groundwater samples were collected in laboratory-supplied containers (pre-preserved with hydrochloric acid (HCl)), labeled, and sealed using the laboratory supplied labels and custody seals, and stored on ice in a cooler. The groundwater samples were relinquished to the courier for Eurofins Environment Testing South Central, LLC (Eurofins) (formerly Hall Environmental Analysis Laboratory) of Albuquerque, New Mexico under proper chain-of-custody procedures.

2.1 Groundwater Laboratory Analytical Methods

The groundwater samples collected from the monitoring wells during the two sampling events were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) utilizing US Environmental Protection Agency (EPA) SW-846 Method #8021.

A summary of the analytes, sample matrix, sample frequency and EPA-approved analytical methods are presented in the following table.

Analyte	Sample Type	No. of Samples (June/Dec)	Method
BTEX	Groundwater	12/8	SW-846 #8021

The laboratory analytical results are summarized in **Table 1** in **Appendix C**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix D**.

2.2 Groundwater Flow Direction

The groundwater flow direction at the Site generally trends toward the west-northwest. The calculated gradient during the 2024 monitoring events averaged approximately 0.007 feet per foot (ft/ft) across the Site. Groundwater elevation data collected during the 2024 gauging events are presented in **Table 2** (**Appendix C**). Groundwater gradient maps for the 2024 gauging events are included as **Figure 4A** and **Figure 4B** (**Appendix A**).

2.3 Groundwater Data Evaluation

Ensolum compared the BTEX laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the groundwater samples collected from monitoring wells during the 2024 groundwater sampling events to the New Mexico WQCC GQSs.[1] The results of the analyses are summarized in **Table 1** of **Appendix C**. Groundwater Quality Standard Exceedance Zone Maps are provided as **Figure 5A** and **Figure 5B** of **Appendix A**.

June 2024

- The June 2024 analytical result for monitoring well MW-19 indicates a benzene concentration of 160 micrograms per liter (µg/L), which exceeds the WQCC GQS of 10 µg/L.[1] The analytical results for the remaining monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 10 µg/L.[1]

- The June 2024 analytical results for the monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The June 2024 analytical result for monitoring well MW-19 indicates an ethylbenzene concentration of 16 µg/L, which is below the WQCC GQS of 750 µg/L.[1] The analytical results for the remaining monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The June 2024 analytical results for the monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.[1]

- No data qualifiers were associated with the June 2024 data:

[1] NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.

June 2024 Data Qualifier Flag		
Sample IDs	**Data Qualifier Flags**	**Comments/Reactions**
None	None	Not Applicable

December 2024

- The December 2024 analytical result for monitoring well MW-19 indicates a benzene concentration of 130 µg/L, which exceeds the WQCC GQS of 10 µg/L.[1] The analytical results for the remaining sampled monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 10 µg/L.[1]

- The December 2024 analytical results for the sampled monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The December 2024 analytical result for monitoring well MW-19 indicates an ethylbenzene concentration of 32 µg/L, which is below the WQCC GQS of 750 µg/L.[1] The analytical results for the remaining sampled monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The December 2024 analytical result for monitoring well MW-19 indicates a total xylenes concentration of 8.9 µg/L, which is below the WQCC GQS of 620 µg/L.[1]The December 2024 analytical results for the remaining sampled monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.[1]

- No data qualifiers were associated with the December 2024 data:

December 2024 Data Qualifier Flag		
Sample IDs	**Data Qualifier Flags**	**Comments/Reactions**
None	None	Not Applicable

3.0 FINDINGS

Based on the evaluation of the analytical results from the groundwater monitoring activities, Ensolum presents the following findings:

- The groundwater flow direction at the Site is generally towards the west-northwest, with an approximate average gradient of 0.007 ft/ft across the Site.

- Benzene was reported at concentrations exceeding the New Mexico WQCC GQS of 10 µg/L in groundwater samples collected from monitoring well MW-19 during the June 2024 and December 2024 sampling events.[1] The groundwater samples collected from the other sampled monitoring wells in 2024 do not exhibit COC concentrations above the applicable WQCC GQSs.[1]

[1] NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.

- Monitoring well MW-19 has exhibited relatively stable benzene concentrations since 2012 as depicted in the chart provided in **Appendix E**.

4.0 RECOMMENDATIONS

Based on the results of the groundwater monitoring activities, Ensolum has the following recommendations:

- Report the groundwater monitoring results to the NM EMNRD OCD.
- Continue semi-annual groundwater monitoring at the Site according to the scope proposed in Section 2.0.
- Replace monitoring well MW-18, as described in the Stage 1 Abatement Plan and as approved by the NM EMNRD OCD in an email dated June 8, 2020.
- Discuss remediation alternatives to the previously proposed recovery well with the NM ENMRD OCD.

5.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

5.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

5.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

5.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the report and

Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

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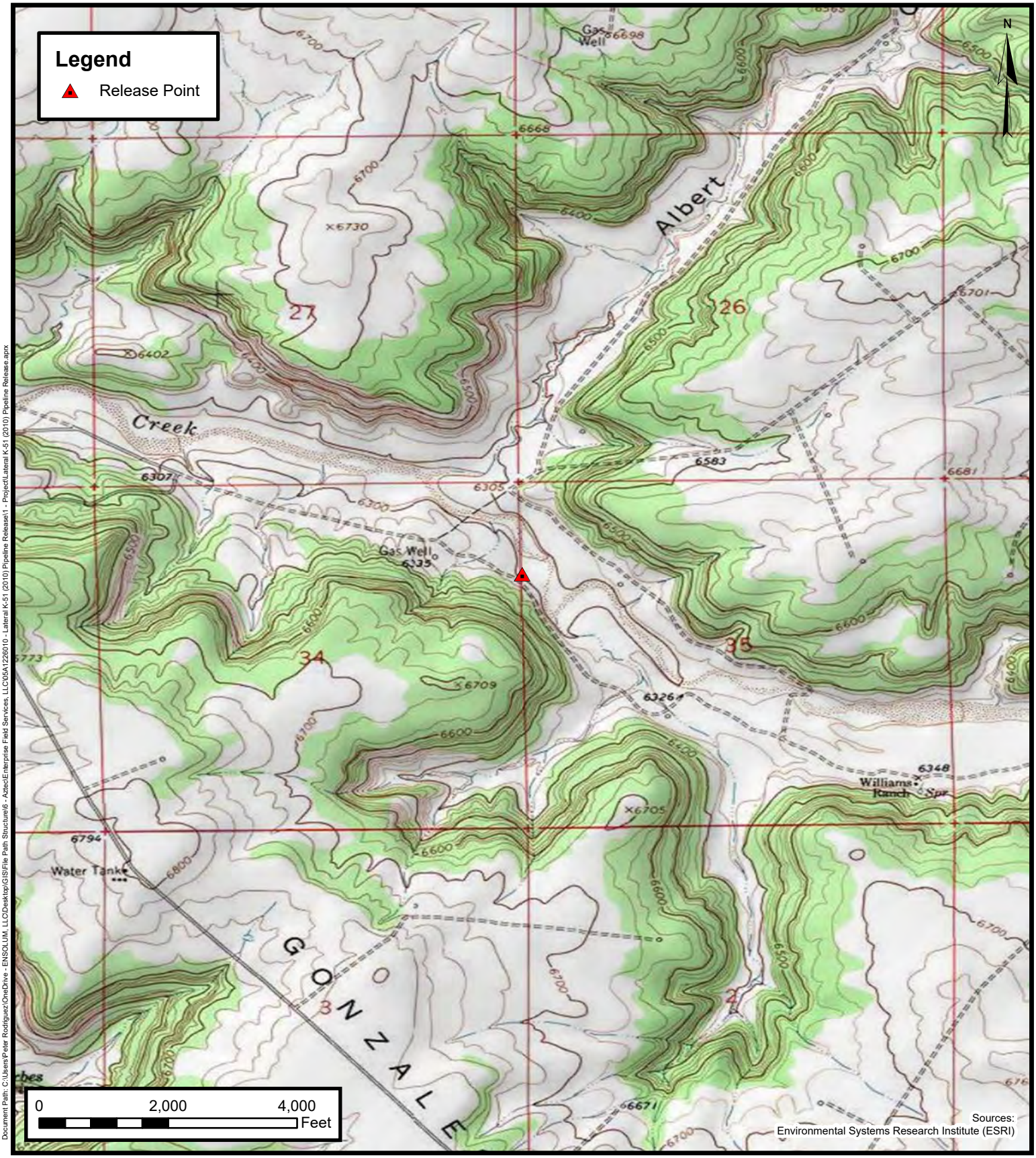
APPENDIX A

Figures

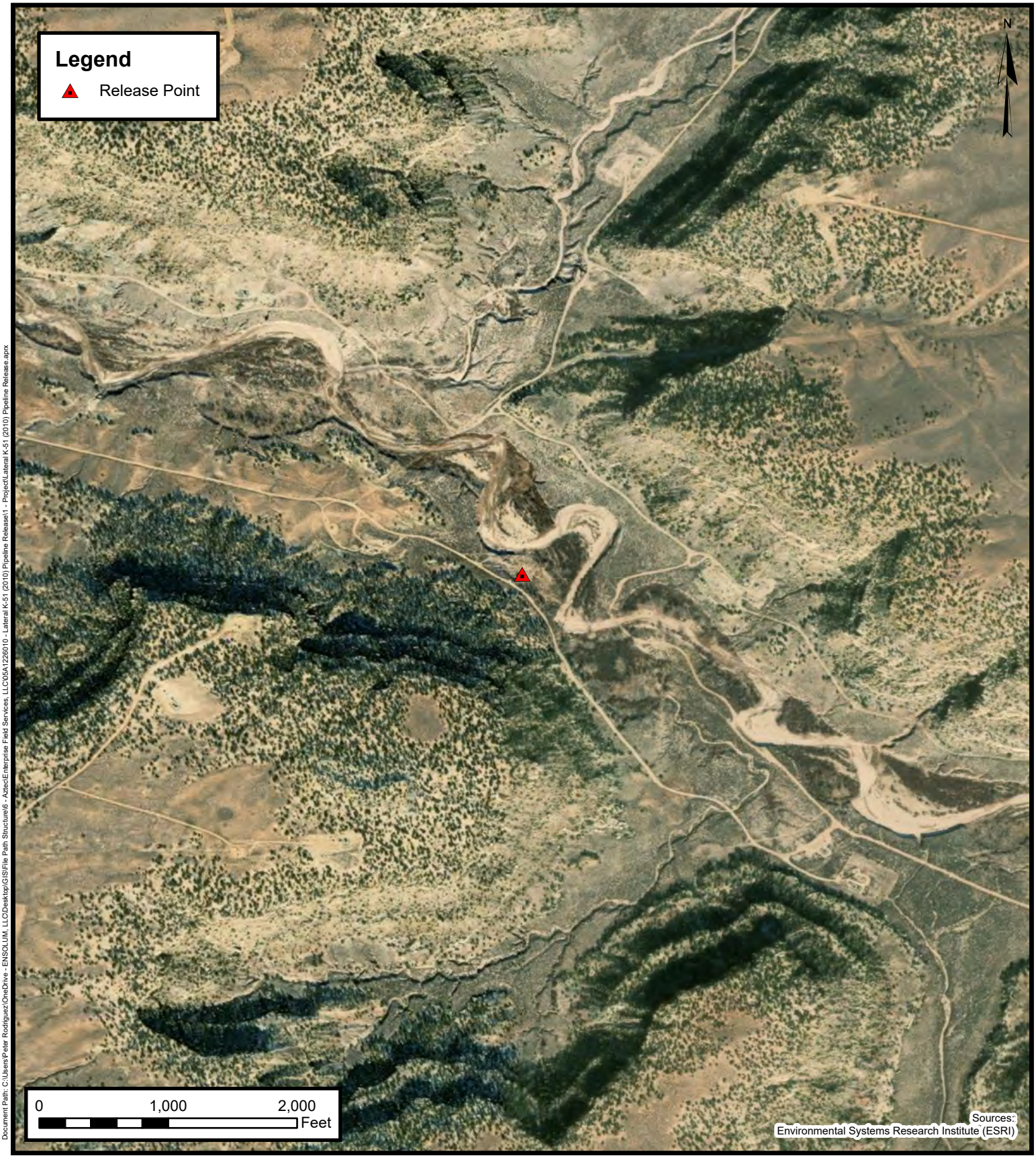


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

FIGURE
1



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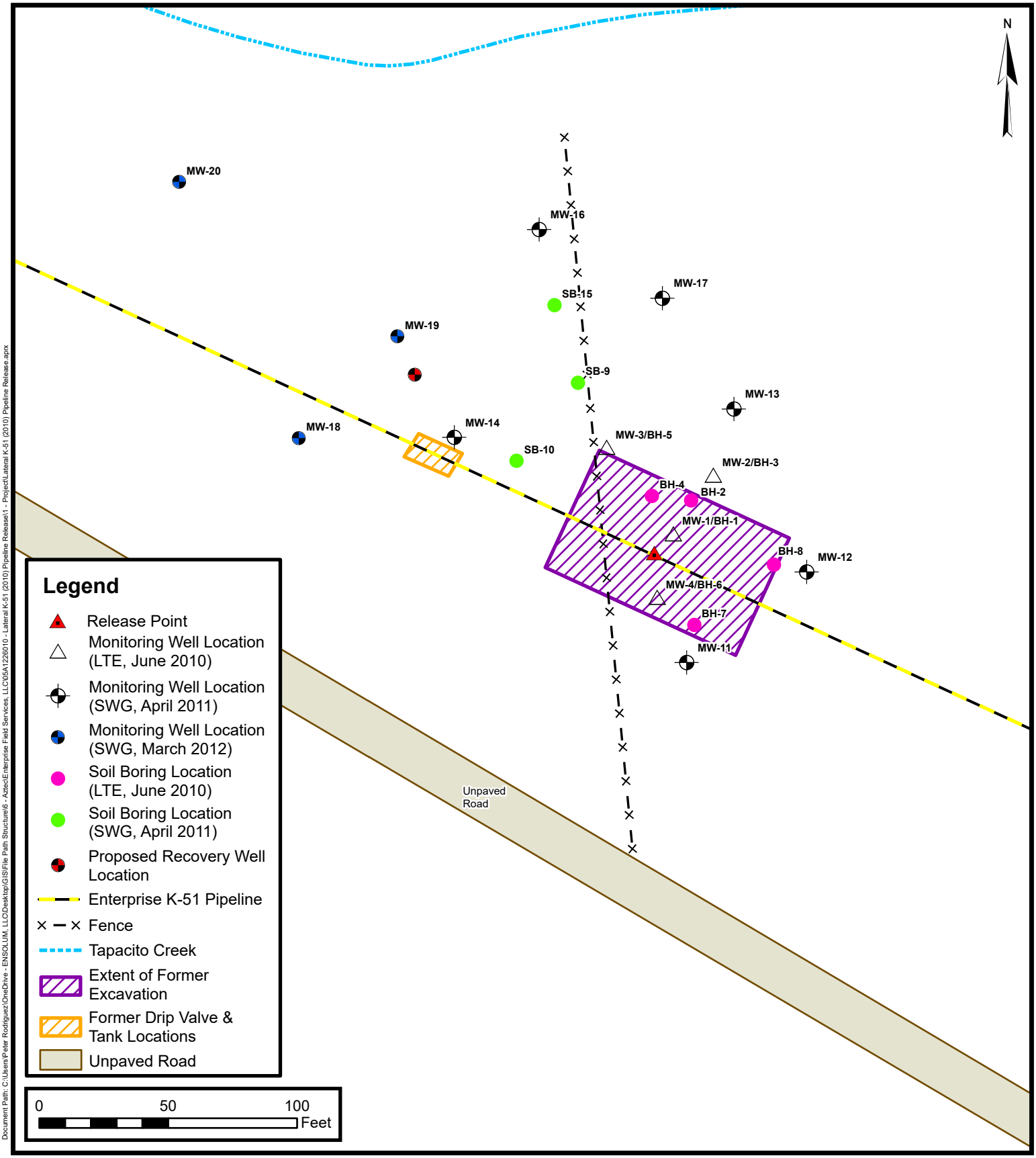
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

FIGURE

2



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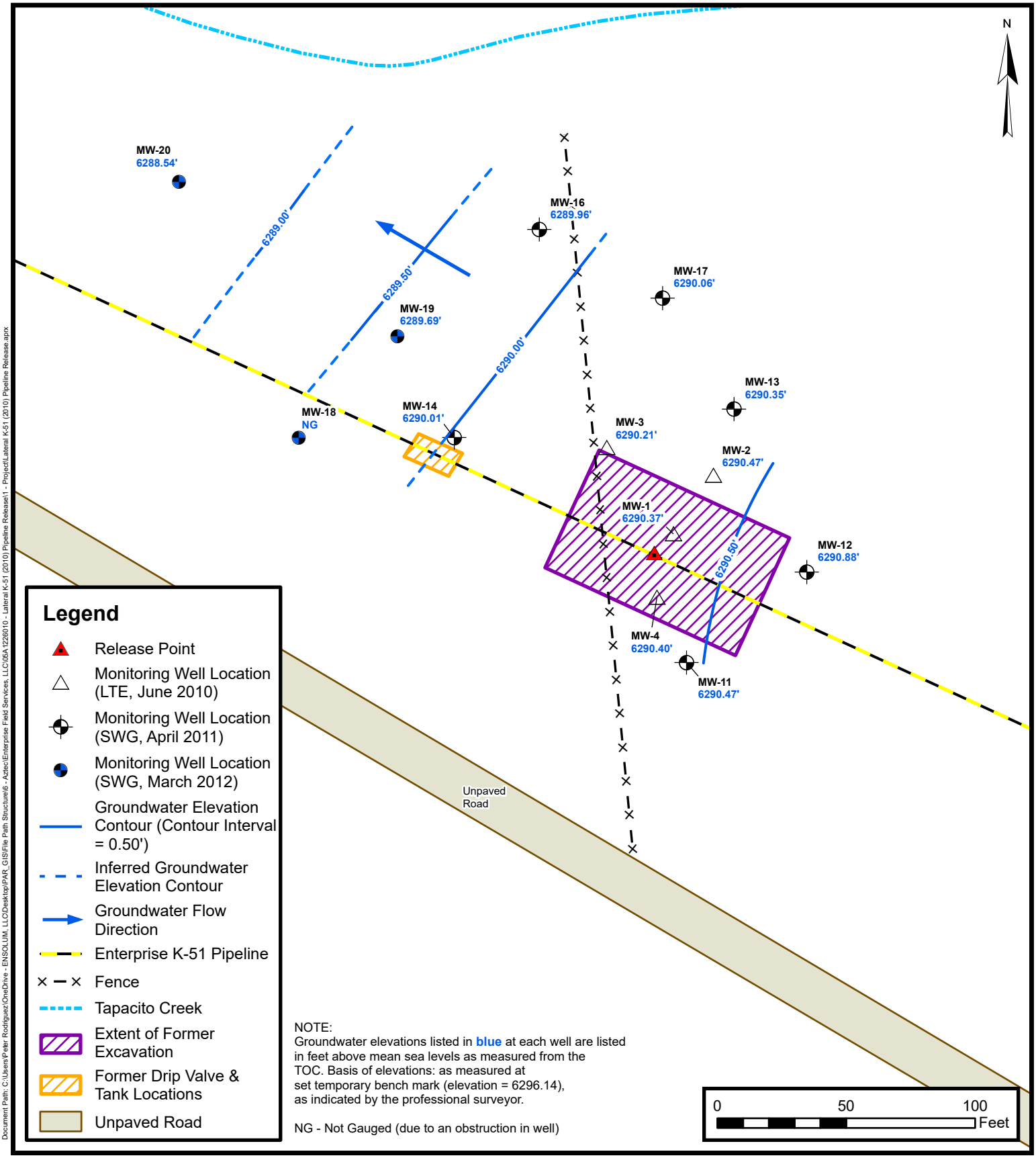
Environmental, Engineering and Hydrogeologic Consultants

Site Map

Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

FIGURE
3

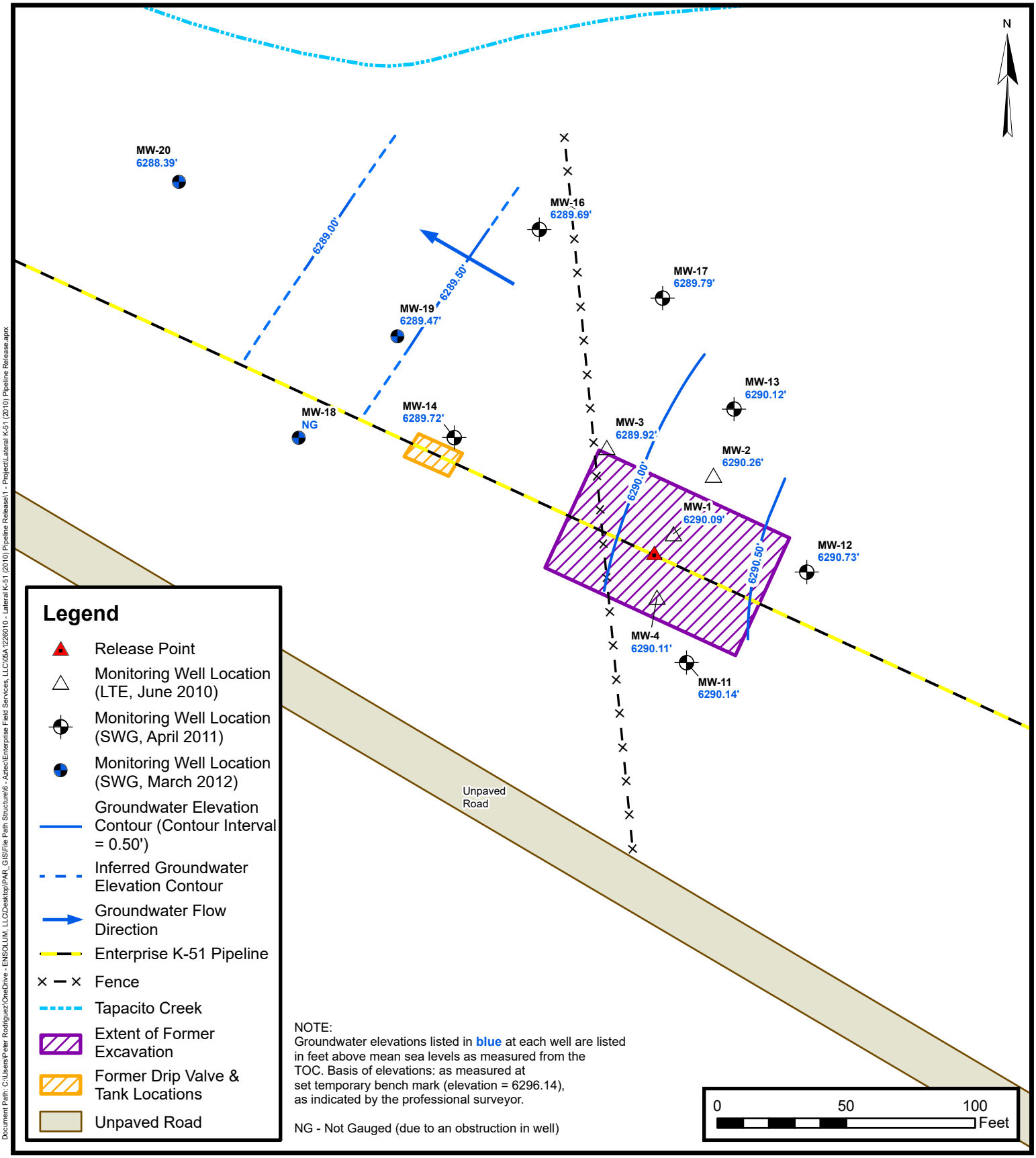


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Gradient Map (June 2024)

Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

FIGURE
4A



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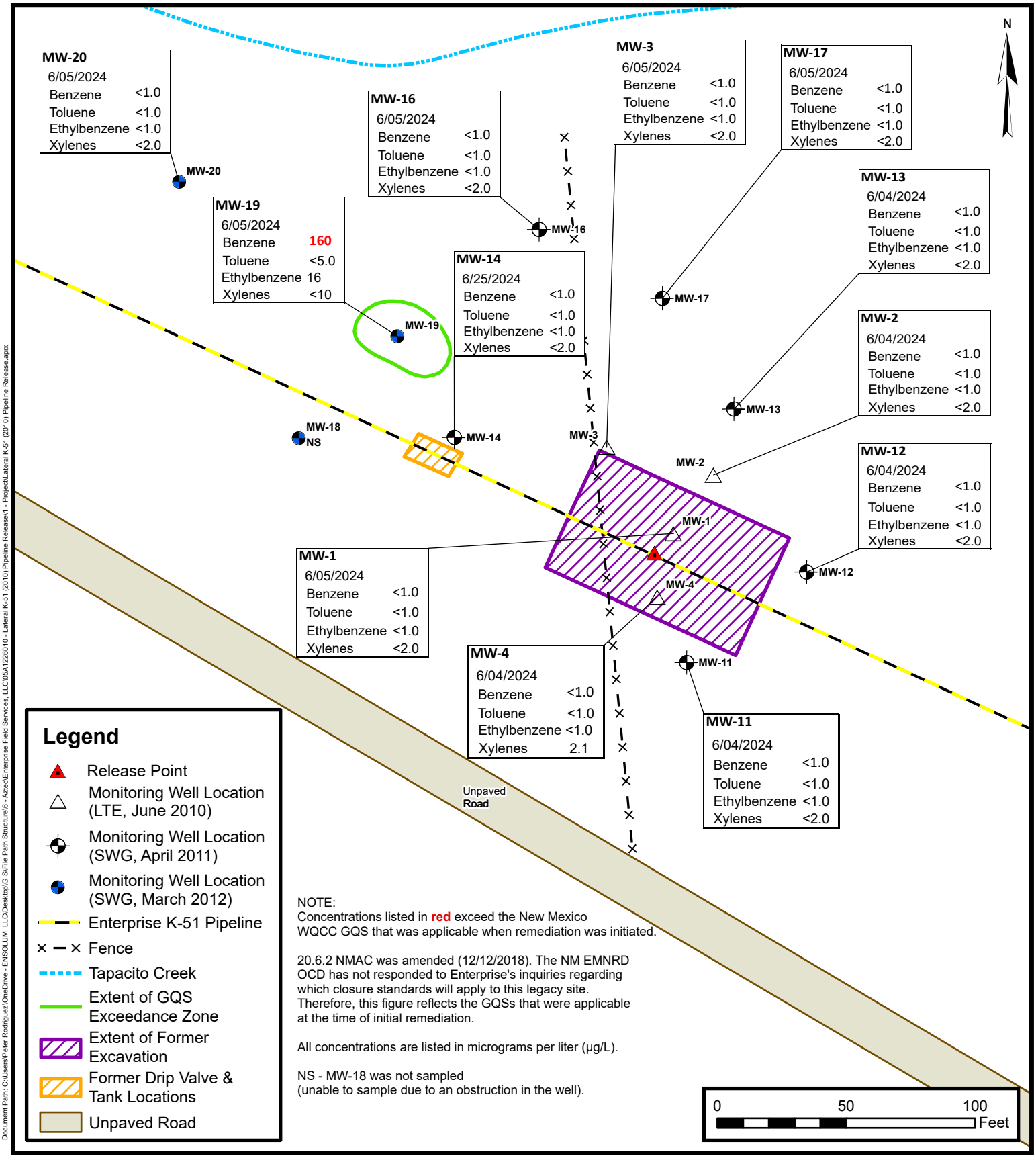
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Gradient Map (December 2024)

Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

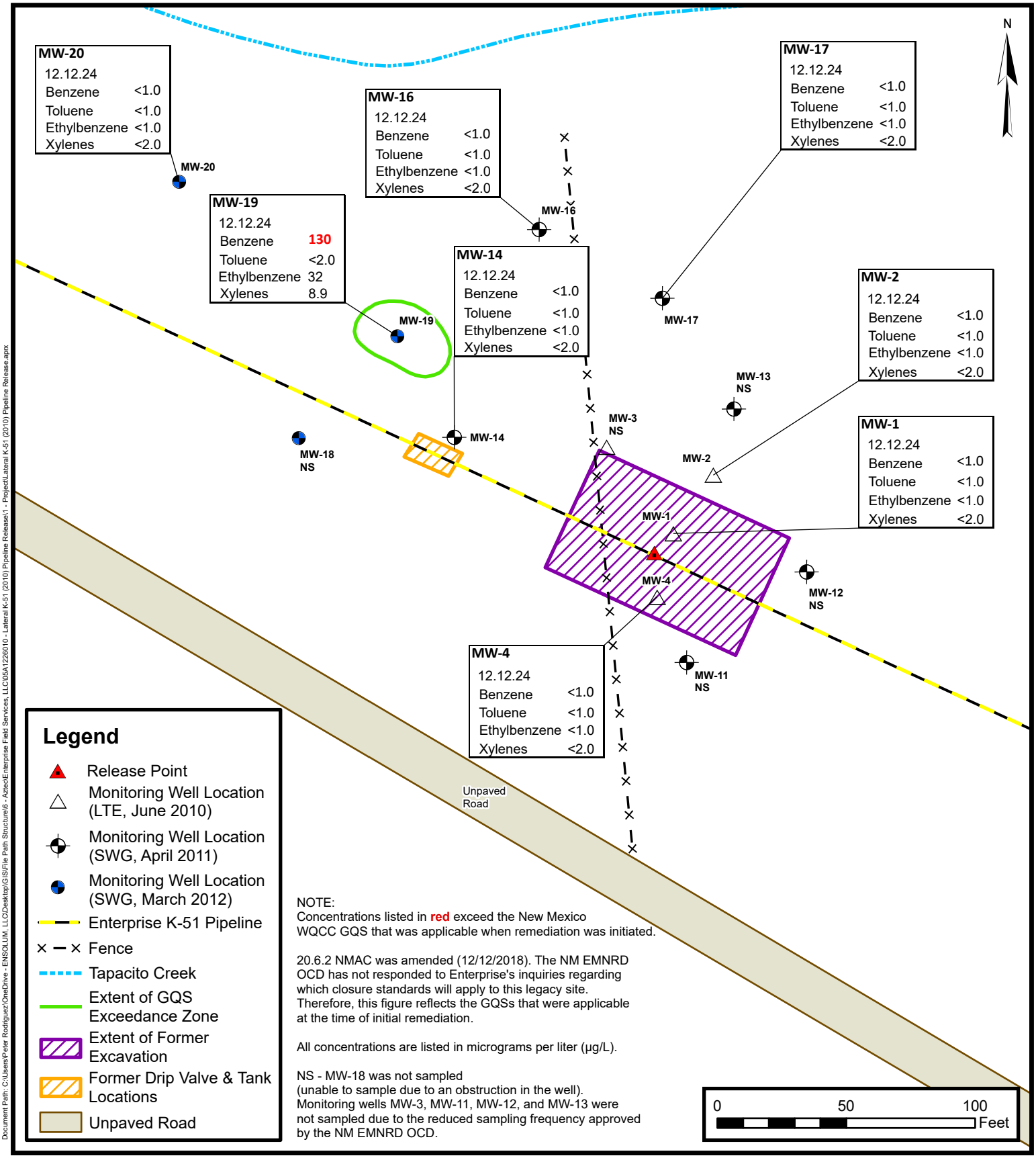
FIGURE
4B



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Quality Standard (GQS) Exceedance Zone Map (June 2024)
Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

FIGURE
5A



Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226010 - Lateral K-51 (2010) Pipeline Release\1 - Project\Lateral K-51 (2010) Pipeline Release.aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Quality Standard (GQS) Exceedance Zone Map (December 2024)
Enterprise Field Services, LLC
Lateral K-51 (2010) Pipeline Release
Project Number: 05A1226010
Unit Letter H, S34 and Unit Letter E, S35 T26N R6W, Rio Arriba County, New Mexico
36.4465° N, -107.4461° W

FIGURE
5B

ENSOLUM

APPENDIX B

Regulatory Correspondence

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAUTOfAB000318.

The sampling event is expected to take place:

When: 06/04/2024 @ 09:00
Where: A-34-26N-06W 0 FNL 0 FEL (36.446501,-107.446101)

Additional Information: Ensolum, LLC

Additional Instructions: This is a groundwater sampling event.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, December 6, 2024 1:15 PM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 409497

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N),

for incident ID (n#) nAUTOfAB000318.

The sampling event is expected to take place:

When: 12/12/2024 @ 09:00
Where: A-34-26N-06W 0 FNL 0 FEL (36.446501,-107.446101)

Additional Information: Ensolum, LLC.

Additional Instructions: This is a groundwater sampling event. It is anticipated to take two days to complete. It is located at 36.446501,-107.446101.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, August 6, 2024 4:47 PM
To: Drewry, Scott <sdrewry@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 360987

[Use caution with links/attachments]

To whom it may concern (c/o Scott Drewry for Enterprise Field Services, LLC),

The OCD has approved the submitted *Ground Water Abatement* (GROUND WATER ABATEMENT), for incident ID (n#) nAUTOfAB000318,
with the following conditions:

- **Review of the 2023 annual groundwater monitoring report: content satisfactory 1. Continue to conduct semi-annual groundwater monitoring at the site, limiting the sampling frequency for wells MW-3, MW-11, MW-12, and MW-13 to an annual basis until COCs are demonstrating to be below the WQCC human health standards in Title 20 of the NMAC, then transition back to a quarterly schedule. 2. Proceed with plans to install a shallow recovery well upgradient of monitoring well MW-19 and either repair or replace MW-18. 3. If aquifer testing is conducted, please notify OCD 4 business days in advance, before activity takes place. 4. Submit the 2024 annual report to OCD by April 1, 2025. 5. 2021 and 2022 Annual Reports have been accepted for the record.**

The signed GROUND WATER ABATEMENT can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Michael Buchanan
Environmental Specialist
505-490-0798
Michael.Buchanan@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

ENSOLUM

APPENDIX C

Tables

ENSOLUM

TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
SMA Sample - Open Excavation							
Excavation	4.21.10	**7,000**	**13,000**	540	**5,200**	NA	NA
Monitoring Wells Installed by LTE							
MW-1	6.21.10	**8,400**	**1,300**	560	**4,200**	NA	NA
	9.24.10	**2,300**	28	200	520	8.4	<1.0
	4.21.11	**430**	<20	120	60	2.1	<1.0
	6.21.11	**820**	370	33	140	5.1	130
	9.22.11	**690**	**1,200**	120	**1,200**	8.9	30
	12.13.11	**260**	250	54	**650**	3.4	<1.0
	3.20.12	**280**	230	94	550	3.5	<1.0
	6.19.12	**300**	<5.0	81	96	1.7	<1.0
	9.20.12*	**45**	3.4	15	23	0.45	<1.0
	12.17.12	**34**	<1.0	11	16	0.19	<1.0
	3.25.13	**41**	<1.0	19	32	0.27	<1.0
	6.27.13	**24**	<1.0	<1.0	36	0.22	<1.0
	10.22.13	**39**	<1.0	24	13	0.23	<1.0
	12.16.13	**10**	<1.0	14	11	0.18	<1.0
	4.18.14	**23**	<1.0	28	86	0.38	1.1
	11.6.14	**32**	<1.0	27	61	NA	NA
	5.29.15	**11**	<1.0	21	55	NA	NA
	12.1.15	5.3	<1.0	4.0	6.2	NA	NA
	5.26.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.16	**17**	<1.0	1.6	2.4	NA	NA
	5.30.17	4.1	<1.0	<1.0	<1.5	NA	NA
	12.07.17	2.8	<1.0	2.0	<1.5	NA	NA
	5.30.18	3.0	<1.0	<1.0	2.2	NA	NA
	11.2.18	1.2	<1.0	<1.0	<1.5	NA	NA
	9.25.19	1.8	<1.0	<1.0	<2.0	NA	NA
	2.4.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.04.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

ENSOLUM

TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-2	6.21.10	**200**	53	14	96	NA	NA
	9.24.10	2.3	<1.0	<1.0	<2.0	<0.050	<1.0
	4.21.11	3.3	<1.0	<1.0	<2.0	0.065	<1.0
	6.21.11	2.2	<1.0	<1.0	<2.0	<0.050	<1.0
	9.22.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.28.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.1.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.25.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.06.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.30.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.1.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.20.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	2.4.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.04.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

ENSOLUM

TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-3	6.21.10	**640**	57	72	**1,000**	NA	NA
	9.24.10	**150**	<1.0	16	28	0.48	<1.0
	4.21.11	**52**	<1.0	17	10	0.25	<1.0
	6.21.11	**62**	14	13	160	0.67	<1.0
	9.22.11	3	<1.0	8.7	<2.0	0.066	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.20.12	1.3	<1.0	1.9	<2.0	<0.050	<1.0
	6.19.12	3.1	<1.0	1.4	<2.0	<0.050	<1.0
	9.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.28.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.1.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.08.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.30.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.07.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.30.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.01.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.20.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	1.31.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21[B]	NS	NS	NS	NS	NS	NS
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.22[B]	NS	NS	NS	NS	NS	NS
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23[B]	NS	NS	NS	NS	NS	NS
	06.05.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	NS	NS	NS	NS	NS	NS

ENSOLUM

TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-4	6.21.10	**3,600**	**10,000**	600	**6,600**	NA	NA
	9.24.10	**870**	**870**	260	**1,600**	12	1
	4.21.11	**670**	<20	520	**790**	6.3	<1.0
	6.21.11	**17**	22	36	77	0.64	1.1
	9.22.11	**62**	140	220	**820**	3.8	1.2
	12.13.11	**84**	<20	430	490	2.6	<1.0
	3.20.12	**36**	<20	**1,100**	**1,400**	6.5	<1.0
	6.19.12	**37**	<5.0	250	350	2.2	<1.0
	9.19.12	9.4	1.4	74	97	0.84	<1.0
	12.17.12	<1.0	<1.0	6.2	9.7	0.12	<1.0
	3.25.13	3.2	<1.0	51	55	1.0	<1.0
	6.27.13	3.9	<1.0	61	60	1.3	<1.0
	10.22.13	<1.0	<1.0	12	3.8	0.13	<1.0
	12.13.13	<1.0	<1.0	16	6.2	0.4	<1.0
	4.17.14	<1.0	<1.0	76	14	0.78	<1.0
	11.6.14	<1.0	<1.0	11	2.9	NA	NA
	5.29.15	<1.0	<1.0	24	6.1	NA	NA
	12.1.15	<1.0	<1.0	2.5	2.1	NA	NA
	5.25.16	<1.0	<1.0	7.4	<2.0	NA	NA
	11.8.16	2.4	<1.0	4.8	2.1	NA	NA
	5.26.17	<1.0	<1.0	3.9	<1.5	NA	NA
	12.06.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.30.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.1.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.20.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	1.31.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	2.9	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.19.22	<1.0	<1.0	<1.0	3.6	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.25.23	1.1	<1.0	<1.0	2.4	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.04.24	<1.0	<1.0	<1.0	2.1	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

ENSOLUM

TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
Monitoring Wells Installed by Apex TITAN (formerly Southwest Geoscience)							
MW-11	4.21.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.21.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.22.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.29.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.30.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.25.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.08.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.06.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.30.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.01.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.20.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	1.31.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21[B]	NS	NS	NS	NS	NS	NS
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.22[B]	NS	NS	NS	NS	NS	NS
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23[B]	NS	NS	NS	NS	NS	NS
	06.04.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	NS	NS	NS	NS	NS	NS

ENSOLUM

TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-12	4.21.11	1.9	<1.0	<1.0	<2.0	<0.050	<1.0
	6.21.11	4.6	<1.0	<1.0	<2.0	0.063	<1.0
	9.22.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	1.7	<1.0	<1.0	<2.0	<0.050	<1.0
	9.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.29.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.30.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.25.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.08.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.06.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.30.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.01.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.20.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	1.31.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21[B]	NS	NS	NS	NS	NS	NS
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.22[B]	NS	NS	NS	NS	NS	NS
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23[B]	NS	NS	NS	NS	NS	NS
	06.04.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24[B]	NS	NS	NS	NS	NS	NS

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-13	4.21.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.21.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.22.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.20.12	NS	NS	NS	NS	NS	NS
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.12.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.28.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.30.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.25.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.08.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.06.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.30.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.01.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.25.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	2.4.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21[B]	NS	NS	NS	NS	NS	NS
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.21[B]	NS	NS	NS	NS	NS	NS
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23[B]	NS	NS	NS	NS	NS	NS
	06.04.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	NS	NS	NS	NS	NS	NS

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-14	4.21.11	**2,800**	<100	280	**720**	8.7	<1.0
	6.21.11	**470**	<10	37	210	1.9	<1.0
	9.22.11	**540**	<10	100	36	1.7	<1.0
	12.13.11	**220**	<10	110	<20	1.0	<1.0
	3.20.12	**660**	<5.0	240	15	2.9	<1.0
	6.19.12	**660**	<5.0	300	100	3.4	<1.0
	9.20.12*	7.3	<1.0	<1.0	<2.0	0.1	<1.0
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	1.6	<2.0	<0.050	<1.0
	6.27.13	**34**	4.4	30	130	0.56	1.4
	10.22.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.16.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.18.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.28.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.30.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.7.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.06.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.31.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.1.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.20.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	1.31.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.12.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.20.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.26.23	1.1	<1.0	<1.0	<2.0	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.05.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-16	4.21.11	4.4	<2.0	<2.0	<4.0	<0.10	<1.0
	6.21.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.22.11	<1.0	<1.0	<1.0	<2.0	0.065	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	0.12	<1.0
	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	3.1	<1.0	2.1	14	0.19	<1.0
	3.25.13	<1.0	<1.0	<1.0	<1.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.12.13	1	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	1.4	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	1.2	<1.0	<1.0	<2.0	NA	NA
	5.29.15	3.0	<1.0	<1.0	<2.0	NA	NA
	12.1.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.25.16	2.2	<1.0	<1.0	<2.0	NA	NA
	11.7.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.30.17	2.1	<1.0	<1.0	<1.5	NA	NA
	12.7.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.31.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.2.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.25.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	2.4.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.12.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.20.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.05.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-17	4.21.11	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0
	6.21.11	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0
	9.22.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.13.11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.21.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.12.13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.17.14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.28.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.1.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.25.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.7.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.7.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.31.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.1.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.25.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	2.4.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.19.22	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.25.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.05.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-18	3.20.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.19.12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	9.20.12*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0
	3.25.13	NS	NS	NS	NS	NS	NS
	6.27.13	NS	NS	NS	NS	NS	NS
	10.21.13	NS	NS	NS	NS	NS	NS
	12.12.13	NS	NS	NS	NS	NS	NS
	4.17.14	NS	NS	NS	NS	NS	NS
	11.6.14	NS	NS	NS	NS	NS	NS
	5.29.15	NS	NS	NS	NS	NS	NS
	11.30.15	NS	NS	NS	NS	NS	NS
	5.25.16	NS	NS	NS	NS	NS	NS
	11.7.16	NS	NS	NS	NS	NS	NS
	5.26.17	NS	NS	NS	NS	NS	NS
	12.07.17	NS	NS	NS	NS	NS	NS
	5.30.18	NS	NS	NS	NS	NS	NS
	11.1.18	NS	NS	NS	NS	NS	NS
	9.20.19	NS	NS	NS	NS	NS	NS
	1.31.20	NS	NS	NS	NS	NS	NS
	5.8.20	NS	NS	NS	NS	NS	NS
	11.11.20	NS	NS	NS	NS	NS	NS
	5.28.21	NS	NS	NS	NS	NS	NS
	11.22.21	NS	NS	NS	NS	NS	NS
	5.19.22	NS	NS	NS	NS	NS	NS
	11.8.22	NS	NS	NS	NS	NS	NS
	5.26.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23	NS	NS	NS	NS	NS	NS
	06.05.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	NS	NS	NS	NS	NS	NS

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-19	3.20.12	**250**	56	310	**3,900**	16	5.3
	6.19.12	**NAPL**	**NAPL**	**NAPL**	**NAPL**	NA	NA
	9.19.12	**NAPL**	**NAPL**	**NAPL**	**NAPL**	NA	NA
	12.17.12	**180**	<5.0	5.4	23	2.2	2.6
	3.25.13	**160**	<5.0	17	<10	1.5	1.4
	6.27.13	**390**	<1.0	79	66	2.7	5.9
	10.22.13	**140**	<1.0	<1.0	<2.0	0.51	2.1
	12.16.13	**160**	<1.0	37	12	1.4	4.2
	4.18.14	**230**	<1.0	41	53	2.2	10
	11.6.14	**260**	<1.0	75	42	NA	NA
	5.29.15	**190**	<1.0	7.2	81	NA	NA
	12.1.15	**210**	<1.0	75	23	NA	NA
	5.26.16	**260**	<1.0	86	340	NA	NA
	11.8.16	**270**	<1.0	80	190	NA	NA
	5.30.17	**270**	<1.0	88	**640**	NA	NA
	12.7.17	**180**	<1.0	70	150	NA	NA
	5.31.18	**250**	<10	83	260	NA	NA
	11.2.18	**230**	<5.0	62	280	NA	NA
	9.25.19	**340**	<5.0	88	380	NA	NA
	2.4.20	**100**	<5.0	51	28	NA	NA
	5.11.20	**97**	<5.0	54	15	NA	NA
	11.12.20	**240**	<2.0	80	50	NA	NA
	5.28.21	**120**	<5.0	63	19	NA	NA
	11.22.21	**160**	<5.0	85	14	NA	NA
	5.20.22	**160**	<5.0	54	29	NA	NA
	11.8.22	**78**	<2.0	34	3.2	NA	NA
	5.25.23	**57**	<5.0	20	<10	NA	NA
	11.20.23	**200**	<2.0	41	<4.0	NA	NA
	06.05.24	**160**	<5.0	16	<10	NA	NA
	12.12.24	**130**	<2.0	32	8.9	NA	NA

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TABLE 1
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]	NE	NE
MW-20	3.20.12	**35**	<1.0	1.1	3.3	0.14	<1.0
	6.19.12	3.4	<1.0	<1.0	<2.0	<0.050	<1.0
	9.20.12*	4.7	<1.0	<1.0	<2.0	<0.050	<1.0
	12.17.12*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	3.25.13*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	6.27.13*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	10.22.13*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	12.16.13*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	4.18.14*	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
	11.6.14*	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.29.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.1.15	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.26.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.7.16	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.30.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	12.7.17	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.31.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.2.18	<1.0	<1.0	<1.0	<1.5	NA	NA
	9.25.19	<1.0	<1.0	<1.0	<2.0	NA	NA
	1.31.20	<1.0	<1.0	<1.0	<2.0	NA	NA
	5.11.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.12.20	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.28.21	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.22.21	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.20.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	11.8.22	<1.0	<1.0	<1.0	<1.5	NA	NA
	5.26.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	11.20.23	<1.0	<1.0	<1.0	<2.0	NA	NA
	06.05.24	<1.0	<1.0	<1.0	<2.0	NA	NA
	12.12.24	<1.0	<1.0	<1.0	<2.0	NA	NA

*Note: Concentrations in **bold** and yellow exceed the WQCC GQS that was applicable when remediation was initiated.*

[A] = NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site. Therefore, this table reflects the groundwater quality standards that were applicable at the time of initial remediation.

[B] = This monitoring well was not sampled during this sampling event. On June 8, 2020 the New Mexico EMNRD OCD approved Enterprise's request to reduce sampling events in MW-3, MW-11, MW-12, and MW-13 to annual events.

** = Monitoring well purged/sampled utilizing disposable bailer during this event*

[C] = This well was sampled, but the anomolous elevation suggests that the sampled water represents rainwater that was trapped above the collapsed screen due to the recent high amounts of precipitation.

µ g/L= micrograms per liter
mg/L= milligrams per liter
NA = Not Analyzed
NS = Not Sampled
NE = Not Established
NAPL = Non-aqueous phase liquid
** = piezometer well was replaced with associated monitoring well*
NAPL = Non-aqueous phase liquid
TPH = Total Petroleum Hydrocarbon
GRO = Gasoline Range Organics
DRO = Diesel Range Organics

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-1	4.21.11	ND	11.80	ND	17.71	7.71-17.71	6300.89	6289.09
	6.21.11	ND	12.16	ND				6288.73
	9.22.11	ND	12.92	ND				6287.97
	12.13.11	ND	12.45	ND				6288.44
	3.20.12	ND	12.13	ND				6288.76
	6.19.12	ND	12.76	ND				6288.13
	9.19.12	ND	13.10	ND				6287.79
	12.17.12	ND	12.33	ND				6288.56
	3.15.13	ND	11.88	ND				6289.01
	6.27.13	ND	12.61	ND				6288.28
	10.22.13	ND	11.71	ND				6289.18
	12.12.13	ND	11.35	ND				6289.54
	4.18.14	ND	11.04	ND				6289.85
	11.6.14	ND	11.56	ND				6289.33
	5.28.15	ND	10.86	ND				6290.03
	11.30.15	ND	10.90	ND				6289.99
	5.25.16	ND	10.52	ND				6290.37
	11.07.16	ND	11.42	ND				6289.47
	5.26.17	ND	10.41	ND				6290.48
	12.06.17	ND	10.53	ND				6290.36
	5.30.18	ND	10.67	ND				6290.22
	11.01.18	ND	11.59	ND				6289.30
	9.20.19	ND	12.08	ND				6288.81
	1.31.20	ND	11.13	ND				6289.76
	5.8.20	ND	10.81	ND				6290.08
	11.11.20	ND	11.55	ND				6289.34
	5.28.21	ND	10.92	ND				6289.97
	11.22.21	ND	11.69	ND				6289.20
	5.19.22	ND	10.86	ND				6290.03
	11.8.22	ND	9.88	ND				6291.01
	5.25.23	ND	9.14	ND				6291.75
	11.20.23	ND	10.79	ND				6290.10
	6.4.24	ND	10.52	ND				6290.37
	12.12.24	ND	10.80	ND				6290.09

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-2	4.21.11	ND	10.55	ND	18.45	8.45-18.45	6299.82	6289.27
	6.21.11	ND	11.87	ND				6287.95
	9.22.11	ND	11.86	ND				6287.96
	12.13.11	ND	11.38	ND				6288.44
	3.20.12	ND	10.95	ND				6288.87
	6.19.12	ND	11.64	ND				6288.18
	9.19.12	ND	12.10	ND				6287.72
	12.17.12	ND	11.23	ND				6288.59
	3.15.13	ND	10.65	ND				6289.17
	6.27.13	ND	11.44	ND				6288.38
	10.21.13	ND	10.44	ND				6289.38
	12.12.13	ND	10.09	ND				6289.73
	4.17.14	ND	9.73	ND				6290.09
	11.6.14	ND	10.33	ND				6289.49
	5.28.15	ND	9.61	ND				6290.21
	11.30.15	ND	9.67	ND				6290.15
	5.25.16	ND	9.34	ND				6290.48
	11.07.16	ND	10.24	ND				6289.58
	5.26.17	ND	9.23	ND				6290.59
	12.06.17	ND	9.33	ND				6290.49
	5.30.18	ND	9.46	ND				6290.36
	11.01.18	ND	10.43	ND				6289.39
	9.20.19	ND	10.95	ND				6288.87
	1.31.20	ND	9.91	ND				6289.91
	5.8.20	ND	9.55	ND				6290.27
	11.11.20	ND	10.35	ND				6289.47
	5.28.21	ND	9.68	ND				6290.14
	11.22.21	ND	10.53	ND				6289.29
	5.19.22	ND	9.62	ND				6290.20
	11.8.22	ND	8.68	ND				6291.14
	5.25.23	ND	8.00	ND				6291.82
	11.20.23	ND	9.60	ND				6290.22
	6.4.24	ND	9.35	ND				6290.47
	12.12.24	ND	9.56	ND				6290.26

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-3	4.21.11	ND	11.30	ND	18.39	8.39-18.39	6300.22	6288.92
	6.21.11	ND	11.64	ND				6288.58
	9.22.11	ND	12.45	ND				6287.77
	12.13.11	ND	11.89	ND				6288.33
	3.20.12	ND	11.60	ND				6288.62
	6.19.12	ND	12.22	ND				6288.00
	9.19.12	ND	12.53	ND				6287.69
	12.17.12	ND	11.75	ND				6288.47
	3.15.13	ND	11.37	ND				6288.85
	6.27.13	ND	12.06	ND				6288.16
	10.21.13	ND	11.12	ND				6289.10
	12.12.13	ND	10.84	ND				6289.38
	4.17.14	ND	10.55	ND				6289.67
	11.6.14	ND	11.02	ND				6289.20
	5.28.15	ND	10.37	ND				6289.85
	11.30.15	ND	10.40	ND				6289.82
	5.25.16	ND	10.10	ND				6290.12
	11.07.16	ND	10.90	ND				6289.32
	5.26.17	ND	10.00	ND				6290.22
	12.06.17	ND	10.05	ND				6290.17
	5.30.18	ND	10.14	ND				6290.08
	11.01.18	ND	11.07	ND				6289.15
	9.20.19	ND	11.53	ND				6288.69
	1.31.20	ND	10.62	ND				6289.60
	5.11.20	ND	10.31	ND				6289.91
	11.11.20	ND	11.03	ND				6289.19
	5.28.21	ND	10.42	ND				6289.80
	11.22.21	ND	11.16	ND				6289.06
	5.19.22	ND	10.34	ND				6289.88
	11.8.22	ND	9.38	ND				6290.84
	5.25.23	ND	8.68	ND				6291.54
	11.20.23	ND	10.29	ND				6289.93
	6.4.24	ND	10.01	ND				6290.21
	12.12.24	ND	10.30	ND				6289.92

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-4	4.21.11	ND	11.90	ND	19.47	9.47-19.47	6300.91	6289.01
	6.21.11	ND	12.18	ND				6288.73
	9.22.11	ND	12.90	ND				6288.01
	12.13.11	ND	12.41	ND				6288.50
	3.20.12	ND	12.45	ND				6288.46
	6.19.12	ND	12.72	ND				6288.19
	9.19.12	ND	13.09	ND				6287.82
	12.17.12	ND	12.33	ND				6288.58
	3.15.13	ND	11.85	ND				6289.06
	6.27.13	ND	12.60	ND				6288.31
	10.22.13	ND	11.74	ND				6289.17
	12.12.13	ND	11.37	ND				6289.54
	4.17.14	ND	11.05	ND				6289.86
	11.6.14	ND	11.58	ND				6289.33
	5.28.15	ND	10.91	ND				6290.00
	11.30.15	ND	10.94	ND				6289.97
	5.25.16	ND	10.59	ND				6290.32
	11.07.16	ND	11.43	ND				6289.48
	5.26.17	ND	10.47	ND				6290.44
	12.06.17	ND	10.60	ND				6290.31
	5.30.18	ND	10.69	ND				6290.22
	11.01.18	ND	11.58	ND				6289.33
	9.20.19	ND	12.04	ND				6288.87
	1.31.20	ND	11.14	ND				6289.77
	5.8.20	ND	10.83	ND				6290.08
	11.11.20	ND	11.54	ND				6289.37
	5.28.21	ND	10.98	ND				6289.93
	11.22.21	ND	11.66	ND				6289.25
	5.19.22	ND	10.89	ND				6290.02
	11.8.22	ND	9.87	ND				6291.04
	5.25.23	ND	9.10	ND				6291.81
	11.20.23	ND	10.71	ND				6290.20
	6.4.24	ND	10.51	ND				6290.40
	12.12.24	ND	10.80	ND				6290.11

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-11	4.21.11	ND	11.98	ND	19.07	9.07-19.07	6301.19	6289.21
	6.21.11	ND	12.40	ND				6288.79
	9.22.11	ND	13.07	ND				6288.12
	12.13.11	ND	12.55	ND				6288.64
	3.20.12	ND	12.26	ND				6288.93
	6.19.12	ND	12.93	ND				6288.26
	9.19.12	ND	13.27	ND				6287.92
	12.17.12	ND	12.51	ND				6288.68
	3.15.13	ND	12.05	ND				6289.14
	6.27.13	ND	12.82	ND				6288.37
	10.21.13	ND	11.94	ND				6289.25
	12.12.13	ND	11.61	ND				6289.58
	4.17.14	ND	11.25	ND				6289.94
	11.6.14	ND	11.80	ND				6289.39
	5.28.15	ND	11.12	ND				6290.07
	11.30.15	ND	11.18	ND				6290.01
	5.25.16	ND	10.79	ND				6290.40
	11.07.16	ND	11.66	ND				6289.53
	5.26.17	ND	10.66	ND				6290.53
	12.06.17	ND	10.82	ND				6290.37
	5.30.18	ND	10.88	ND				6290.31
	11.01.18	ND	11.82	ND				6289.37
	9.20.19	ND	12.26	ND				6288.93
	1.31.20	ND	11.39	ND				6289.80
	5.8.20	ND	11.07	ND				6290.12
	11.11.20	ND	11.79	ND				6289.40
	5.28.21	ND	11.24	ND				6289.95
	11.22.21	ND	11.92	ND				6289.27
	5.19.22	ND	11.16	ND				6290.03
	11.8.22	ND	10.09	ND				6291.10
	5.25.23	ND	9.26	ND				6291.93
	11.20.23	ND	11.04	ND				6290.15
	6.4.24	ND	10.72	ND				6290.47
	12.12.24	ND	11.05	ND				6290.14

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-12	4.21.11	ND	8.96	ND	18.03	8.03-18.03	6299.08	6290.12
	6.21.11	ND	9.42	ND				6289.66
	9.22.11	ND	10.82	ND				6288.26
	12.13.11	ND	10.13	ND				6288.95
	3.20.12	ND	9.41	ND				6289.67
	6.19.12	ND	10.09	ND				6288.99
	9.19.12	ND	11.03	ND				6288.05
	12.17.12	ND	10.21	ND				6288.87
	3.15.13	ND	9.26	ND				6289.82
	6.27.13	ND	9.99	ND				6289.09
	10.21.13	ND	9.09	ND				6289.99
	12.12.13	ND	8.78	ND				6290.30
	4.17.14	ND	8.44	ND				6290.64
	11.6.14	ND	9.05	ND				6290.03
	5.28.15	ND	8.34	ND				6290.74
	11.30.15	ND	8.44	ND				6290.64
	5.25.16	ND	8.11	ND				6290.97
	11.07.16	ND	8.87	ND				6290.21
	5.26.17	ND	8.01	ND				6291.07
	12.06.17	ND	8.12	ND				6290.96
	5.30.18	ND	8.27	ND				6290.81
	11.01.18	ND	9.17	ND				6289.91
	9.20.19	ND	9.68	ND				6289.40
	1.31.20	ND	8.71	ND				6290.37
	5.8.20	ND	8.34	ND				6290.74
	11.11.20	ND	9.10	ND				6289.98
	5.28.21	ND	8.48	ND				6290.60
	11.22.21	ND	9.30	ND				6289.78
	5.19.22	ND	8.43	ND				6290.65
	11.8.22	ND	7.48	ND				6291.60
	5.25.23	ND	6.82	ND				6292.26
	11.20.23	ND	8.41	ND				6290.67
	6.4.24	ND	8.20	ND				6290.88
	12.12.24	ND	8.35	ND				6290.73

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-13	4.21.11	ND	9.07	ND	17.90	7.90-17.90	6298.27	6289.20
	6.21.11	ND	9.51	ND				6288.76
	9.22.11	ND	10.15	ND				6288.12
	12.13.11	ND	9.59	ND				6288.68
	3.20.12	ND	9.35	ND				6288.92
	6.19.12	ND	10.09	ND				6288.18
	9.19.12	ND	10.29	ND				6287.98
	12.17.12	ND	9.47	ND				6288.80
	3.15.13	ND	9.11	ND				6289.16
	6.27.13	ND	9.94	ND				6288.33
	10.21.13	ND	8.91	ND				6289.36
	12.12.13	ND	8.57	ND				6289.70
	4.17.14	ND	8.39	ND				6289.88
	11.6.14	ND	8.83	ND				6289.44
	5.28.15	ND	8.32	ND				6289.95
	11.30.15	ND	8.21	ND				6290.06
	5.25.16	ND	8.01	ND				6290.26
	11.07.16	ND	8.67	ND				6289.60
	5.26.17	ND	7.83	ND				6290.44
	12.06.17	ND	7.90	ND				6290.37
	5.30.18	ND	8.08	ND				6290.19
	11.01.18	ND	8.84	ND				6289.43
	9.20.19	ND	9.36	ND				6288.91
	1.31.20	ND	8.40	ND				6289.87
	5.11.20	ND	8.17	ND				6290.10
	11.11.20	ND	8.82	ND				6289.45
	5.28.21	ND	8.29	ND				6289.98
	11.22.21	ND	8.93	ND				6289.34
	5.19.22	ND	8.18	ND				6290.09
	11.8.22	ND	7.24	ND				6291.03
	5.25.23	ND	6.59	ND				6291.68
	11.20.23	ND	8.15	ND				6290.12
	6.4.24	ND	7.92	ND				6290.35
	12.12.24	ND	8.15	ND				6290.12

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-14	4.21.11	ND	12.54	ND	18.88	8.88-18.88	6301.20	6288.66
	6.21.11	ND	12.88	ND				6288.32
	9.22.11	ND	13.53	ND				6287.67
	12.13.11	ND	13.11	ND				6288.09
	3.20.12	ND	12.80	ND				6288.40
	6.19.12	ND	13.42	ND				6287.78
	9.19.12	ND	13.70	ND				6287.50
	12.17.12	ND	12.93	ND				6288.27
	3.15.13	ND	12.55	ND				6288.65
	6.27.13	ND	13.26	ND				6287.94
	10.22.13	ND	12.39	ND				6288.81
	12.12.13	ND	12.06	ND				6289.14
	4.18.14	ND	11.79	ND				6289.41
	11.6.14	ND	12.23	ND				6288.97
	5.28.15	ND	11.67	ND				6289.53
	11.30.15	ND	11.62	ND				6289.58
	5.25.16	ND	11.35	ND				6289.85
	11.07.16	ND	12.09	ND				6289.11
	5.26.17	ND	11.24	ND				6289.96
	12.06.17	ND	11.27	ND				6289.93
	5.30.18	ND	11.36	ND				6289.84
	11.01.18	ND	12.23	ND				6288.97
	9.20.19	ND	12.68	ND				6288.52
	1.31.20	ND	11.78	ND				6289.42
	5.11.20	ND	11.54	ND				6289.66
	11.11.20	ND	12.19	ND				6289.01
	5.28.21	ND	11.65	ND				6289.55
	11.22.21	ND	12.29	ND				6288.91
	5.19.22	ND	11.57	ND				6289.63
	11.8.22	ND	10.60	ND				6290.60
	5.25.23	ND	9.88	ND				6291.32
	11.20.23	ND	11.46	ND				6289.74
	6.4.24	ND	11.19	ND				6290.01
	12.12.24	ND	11.48	ND				6289.72

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TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-16	4.21.11	ND	12.06	ND	18.01	8.01-18.01	6299.89	6287.83
	6.21.11	ND	12.26	ND				6287.63
	9.22.11	ND	12.57	ND				6287.32
	12.13.11	ND	12.28	ND				6287.61
	3.20.12	ND	12.24	ND				6287.65
	6.19.12	ND	12.71	ND				6287.18
	9.19.12	ND	12.80	ND				6287.09
	12.17.12	ND	11.90	ND				6287.99
	3.15.13	ND	11.80	ND				6288.09
	6.27.13	ND	12.37	ND				6287.52
	10.21.13	ND	11.32	ND				6288.57
	12.12.13	ND	10.92	ND				6288.97
	4.17.14	ND	10.76	ND				6289.13
	11.6.14	ND	10.99	ND				6288.90
	5.28.15	ND	10.56	ND				6289.33
	11.30.15	ND	10.39	ND				6289.50
	5.25.16	ND	10.10	ND				6289.79
	11.07.16	ND	10.86	ND				6289.03
	5.26.17	ND	10.02	ND				6289.87
	12.06.17	ND	10.01	ND				6289.88
	5.30.18	ND	10.11	ND				6289.78
	11.01.18	ND	11.02	ND				6288.87
	9.20.19	ND	11.35	ND				6288.54
	1.31.20	ND	10.60	ND				6289.29
	5.11.20	ND	10.32	ND				6289.57
	11.11.20	ND	10.96	ND				6288.93
	5.28.21	ND	10.36	ND				6289.53
	11.22.21[A]	ND	11.57	ND				6288.32
	5.19.22	ND	10.17	ND				6289.72
	11.8.22	ND	9.28	ND				6290.61
	5.25.23	ND	8.64	ND				6291.25
	11.20.23	ND	10.22	ND				6289.67
	6.4.24	ND	9.93	ND				6289.96
	12.12.24	ND	10.20	ND				6289.69

ENSOLUM

TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-17	4.21.11	ND	9.90	ND	18.16	8.16-18.16	6298.57	6288.67
	6.21.11	ND	9.56	ND				6289.01
	9.22.11	ND	10.83	ND				6287.74
	12.13.11	ND	10.31	ND				6288.26
	3.20.12	ND	10.12	ND				6288.45
	6.19.12	ND	10.81	ND				6287.76
	9.19.12	ND	10.95	ND				6287.62
	12.17.12	ND	10.13	ND				6288.44
	3.15.13	ND	9.85	ND				6288.72
	6.27.13	ND	10.62	ND				6287.95
	10.21.13	ND	9.61	ND				6288.96
	12.12.13	ND	9.28	ND				6289.29
	4.17.14	ND	9.13	ND				6289.44
	11.6.14	ND	9.47	ND				6289.10
	5.28.15	ND	9.00	ND				6289.57
	11.30.15	ND	8.87	ND				6289.70
	5.25.16	ND	8.65	ND				6289.92
	11.07.16	ND	9.32	ND				6289.25
	5.26.17	ND	8.56	ND				6290.01
	12.06.17	ND	8.52	ND				6290.05
	5.30.18	ND	8.68	ND				6289.89
	11.01.18	ND	9.48	ND				6289.09
	9.20.19	ND	9.97	ND				6288.60
	1.31.20	ND	9.05	ND				6289.52
	5.11.20	ND	8.83	ND				6289.74
	11.11.20	ND	9.45	ND				6289.12
	5.28.21	ND	8.91	ND				6289.66
	11.22.21	ND	9.56	ND				6289.01
	5.19.22	ND	8.81	ND				6289.76
	11.8.22	ND	7.82	ND				6290.75
	5.25.23	ND	7.17	ND				6291.40
	11.20.23	ND	8.76	ND				6289.81
	6.4.24	ND	8.51	ND				6290.06
	12.12.24	ND	8.78	ND				6289.79

ENSOLUM

TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-18	3.20.12	ND	16.60	ND	NA	NA	6304.77	6288.17
	6.19.12	ND	17.42	ND				6287.35
	9.19.12	ND	17.45	ND				6287.32
	12.17.12	ND	16.73	ND				6288.04
	3.15.13	Blockage						Blockage
	6.27.13	Blockage						Blockage
	10.22.13	Blockage						Blockage
	12.12.13	Blockage						Blockage
	4.17.14	Blockage						Blockage
	11.6.14	Blockage						Blockage
	5.28.15	Blockage						Blockage
	11.30.15	Blockage						Blockage
	5.25.16	Blockage						Blockage
	11.07.16	Blockage						Blockage
	5.26.17	ND	15.12	ND				6289.65
	12.06.17	ND	15.31	ND				6289.46
	5.30.18	Blockage						Blockage
	11.01.18	Blockage						Blockage
	9.20.19	Blockage						Blockage
	1.31.20	Blockage						Blockage
	5.8.20	Blockage						Blockage
	11.11.20	Blockage						Blockage
	5.28.21	Blockage						Blockage
	11.22.21	Blockage						Blockage
	5.19.22	Blockage						Blockage
	11.8.22	Blockage						Blockage
	5.25.23[C]	ND	13.98	ND				6284.59
	11.20.23	Blockage						Blockage
	6.4.24	Blockage						Blockage
	12.12.24	Blockage						Blockage

ENSOLUM

TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-19	3.20.12	ND	15.69	ND	23.22	13.22-23.22	6303.80	6288.11
	6.19.12[B]	16.25	16.32	0.07				6287.52
	9.19.12[B]	16.47	16.49	0.02				6287.32
	12.17.12	ND	15.91	ND				6287.89
	3.15.13	ND	15.38	ND				6288.42
	6.27.13	ND	16.19	ND				6287.61
	10.22.13	ND	15.13	ND				6288.67
	12.12.13	ND	14.78	ND				6289.02
	4.18.14	ND	14.68	ND				6289.12
	11.6.14	ND	14.99	ND				6288.81
	5.28.15	ND	14.60	ND				6289.20
	11.30.15	ND	14.38	ND				6289.42
	5.25.16	ND	14.28	ND				6289.52
	11.07.16	ND	14.83	ND				6288.97
	5.26.17	ND	14.20	ND				6289.60
	12.06.17	ND	14.08	ND				6289.72
	5.30.18	ND	14.27	ND				6289.53
	11.01.18	ND	15.00	ND				6288.80
	9.20.19	ND	15.47	ND				6288.33
	1.31.20	ND	14.56	ND				6289.24
	5.11.20	ND	14.40	ND				6289.40
	11.11.20	ND	14.98	ND				6288.82
	5.28.21	ND	14.53	ND				6289.27
	11.22.21	ND	15.05	ND				6288.75
	5.19.22	ND	14.40	ND				6289.40
	11.8.22	ND	13.48	ND				6290.32
	5.25.23	ND	12.67	ND				6291.13
	11.20.23	ND	14.30	ND				6289.50
	6.4.24	ND	14.11	ND				6289.69
	12.12.24	ND	14.33	ND				6289.47

ENSOLUM

TABLE 2
Lateral K-51 Pipeline Release (2010)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-20	3.20.12	ND	25.82	ND	30.51	20.51-30.51	6312.59	6286.77
	6.19.12	ND	26.30	ND				6286.29
	9.19.12	ND	26.31	ND				6286.28
	12.17.12	ND	25.42	ND				6287.17
	3.15.13	ND	25.38	ND				6287.21
	6.27.13	ND	26.11	ND				6286.48
	10.22.13	ND	24.98	ND				6287.61
	12.12.13	ND	24.57	ND				6288.02
	4.17.14	ND	24.66	ND				6287.93
	11.6.14	ND	24.81	ND				6287.78
	5.28.15	ND	24.80	ND				6287.79
	11.30.15	ND	24.15	ND				6288.44
	5.25.16	ND	24.28	ND				6288.31
	11.07.16	ND	24.48	ND				6288.11
	5.26.17	ND	24.37	ND				6288.22
	12.06.17	ND	23.95	ND				6288.64
	5.30.18	ND	24.29	ND				6288.30
	11.01.18	ND	24.69	ND				6287.90
	9.20.19	ND	25.35	ND				6287.24
	1.31.20	ND	24.26	ND				6288.33
	5.11.20	ND	24.30	ND				6288.29
	11.11.20	ND	24.73	ND				6287.86
	5.28.21	ND	24.43	ND				6288.16
	11.22.21	ND	24.70	ND				6287.89
	5.19.22	ND	24.17	ND				6288.42
	11.8.22	ND	23.40	ND				6289.19
	5.25.23	ND	22.91	ND				6289.68
	11.20.23	ND	24.10	ND				6288.49
	6.4.24	ND	24.05	ND				6288.54
	12.12.24	ND	24.20	ND				6288.39

BTOC - below top of casing

TOC - top of casing

** - corrected for presence of phase-sepated hydrocarbon using a site-specific density correction factor of 0.63. Groundwater elevations at each well are listed in feet above mean sea level (AMSL) as measured from the TOC.*
Basis of elevation: As measured at set temporary bench mark (elevation = 6296.14'), as indicated by the professional surveyor.

[A] - Suspected misgauge.

[B] - No visual verification. May not be hydrocarbon.

[C] - The anomolous elevation suggests that the gauged water represents rainwater that was trapped above the collapsed screen due to the recent high amounts of precipitation. This elevation was not used in creating the groundwater gradient.

NA - Not Available

ND - Not Detected

ENSOLUM

APPENDIX D

Laboratory Data Sheets & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 6/17/2024 4:58:37 PM

JOB DESCRIPTION

Lateral k-51

JOB NUMBER

885-5585-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Lateral k-51

Laboratory Job ID: 885-5585-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-5585-1
Project/Site: Lateral k-51

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: Lateral k-51

Job ID: 885-5585-1

Job ID: 885-5585-1 Eurofins Albuquerque

Job Narrative
885-5585-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/5/2024 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Client Sample ID: MW-11

Date Collected: 06/04/24 10:15
Date Received: 06/05/24 06:30

Lab Sample ID: 885-5585-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 03:56	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 03:56	1
Toluene	ND		1.0		ug/L			06/13/24 03:56	1
Xylenes, Total	ND		2.0		ug/L			06/13/24 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*43 - 158*		*06/13/24 03:56*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Client Sample ID: MW-4

Date Collected: 06/04/24 10:45
Date Received: 06/05/24 06:30

Lab Sample ID: 885-5585-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 05:06	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 05:06	1
Toluene	ND		1.0		ug/L			06/13/24 05:06	1
Xylenes, Total	**2.1**		2.0		ug/L			06/13/24 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*43 - 158*		*06/13/24 05:06*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Client Sample ID: MW-12

Date Collected: 06/04/24 11:15
Date Received: 06/05/24 06:30

Lab Sample ID: 885-5585-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 05:30	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 05:30	1
Toluene	ND		1.0		ug/L			06/13/24 05:30	1
Xylenes, Total	ND		2.0		ug/L			06/13/24 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*43 - 158*		*06/13/24 05:30*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Client Sample ID: MW-1

Date Collected: 06/04/24 12:10
Date Received: 06/05/24 06:30

Lab Sample ID: 885-5585-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 05:53	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 05:53	1
Toluene	ND		1.0		ug/L			06/13/24 05:53	1
Xylenes, Total	ND		2.0		ug/L			06/13/24 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*43 - 158*		*06/13/24 05:53*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Client Sample ID: MW-2

Date Collected: 06/04/24 12:35
Date Received: 06/05/24 06:30

Lab Sample ID: 885-5585-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 16:12	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 16:12	1
Toluene	ND		1.0		ug/L			06/13/24 16:12	1
Xylenes, Total	ND		2.0		ug/L			06/13/24 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*43 - 158*		*06/13/24 16:12*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Client Sample ID: MW-13

Date Collected: 06/04/24 13:00
Date Received: 06/05/24 06:30

Lab Sample ID: 885-5585-6

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 17:47	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 17:47	1
Toluene	ND		1.0		ug/L			06/13/24 17:47	1
Xylenes, Total	ND		2.0		ug/L			06/13/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*43 - 158*		*06/13/24 17:47*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-6635/16
Matrix: Water
Analysis Batch: 6635

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/12/24 18:11	1
Ethylbenzene	ND		1.0		ug/L			06/12/24 18:11	1
Toluene	ND		1.0		ug/L			06/12/24 18:11	1
Xylenes, Total	ND		2.0		ug/L			06/12/24 18:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*43 - 158*		*06/12/24 18:11*	*1*

Lab Sample ID: LCS 885-6635/15
Matrix: Water
Analysis Batch: 6635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.7		ug/L		93	70 - 130		
Ethylbenzene			20.0	17.7		ug/L		89	70 - 130		
Toluene			20.0	17.7		ug/L		89	70 - 130		
Xylenes, Total			60.0	53.5		ug/L		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*43 - 158*

Lab Sample ID: 885-5585-1 MS
Matrix: Water
Analysis Batch: 6635

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		20.0	18.3		ug/L		91	70 - 130		
Ethylbenzene	ND		20.0	16.9		ug/L		84	70 - 130		
Toluene	ND		20.0	17.1		ug/L		86	70 - 130		
Xylenes, Total	ND		60.0	51.2		ug/L		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*43 - 158*

Lab Sample ID: 885-5585-1 MSD
Matrix: Water
Analysis Batch: 6635

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	17.8		ug/L		89	70 - 130	3	20
Ethylbenzene	ND		20.0	16.6		ug/L		83	70 - 130	2	20
Toluene	ND		20.0	16.5		ug/L		83	70 - 130	4	20
Xylenes, Total	ND		60.0	50.1		ug/L		83	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*43 - 158*

QC Sample Results

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-6731/10
Matrix: Water
Analysis Batch: 6731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/13/24 10:18	1
Ethylbenzene	ND		1.0		ug/L			06/13/24 10:18	1
Toluene	ND		1.0		ug/L			06/13/24 10:18	1
Xylenes, Total	ND		2.0		ug/L			06/13/24 10:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*43 - 158*		*06/13/24 10:18*	*1*

Lab Sample ID: LCS 885-6731/9
Matrix: Water
Analysis Batch: 6731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.4		ug/L		92	70 - 130		
Ethylbenzene			20.0	17.4		ug/L		87	70 - 130		
Toluene			20.0	17.4		ug/L		87	70 - 130		
Xylenes, Total			60.0	52.3		ug/L		87	70 - 130		

Surrogate		*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)		*92*		*43 - 158*

Lab Sample ID: 885-5585-5 MS
Matrix: Water
Analysis Batch: 6731

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		20.0	18.4		ug/L		92	70 - 130		
Ethylbenzene	ND		20.0	17.3		ug/L		87	70 - 130		
Toluene	ND		20.0	17.3		ug/L		86	70 - 130		
Xylenes, Total	ND		60.0	52.4		ug/L		87	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*43 - 158*

Lab Sample ID: 885-5585-5 MSD
Matrix: Water
Analysis Batch: 6731

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	18.0		ug/L		90	70 - 130	2	20
Ethylbenzene	ND		20.0	17.0		ug/L		85	70 - 130	2	20
Toluene	ND		20.0	16.8		ug/L		84	70 - 130	3	20
Xylenes, Total	ND		60.0	51.6		ug/L		86	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*43 - 158*

QC Association Summary

Client: Ensolum
Project/Site: Lateral k-51

Job ID: 885-5585-1

GC VOA

Analysis Batch: 6635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5585-1	MW-11	Total/NA	Water	8021B	
885-5585-2	MW-4	Total/NA	Water	8021B	
885-5585-3	MW-12	Total/NA	Water	8021B	
885-5585-4	MW-1	Total/NA	Water	8021B	
MB 885-6635/16	Method Blank	Total/NA	Water	8021B	
LCS 885-6635/15	Lab Control Sample	Total/NA	Water	8021B	
885-5585-1 MS	MW-11	Total/NA	Water	8021B	
885-5585-1 MSD	MW-11	Total/NA	Water	8021B	

Analysis Batch: 6731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5585-5	MW-2	Total/NA	Water	8021B	
885-5585-6	MW-13	Total/NA	Water	8021B	
MB 885-6731/10	Method Blank	Total/NA	Water	8021B	
LCS 885-6731/9	Lab Control Sample	Total/NA	Water	8021B	
885-5585-5 MS	MW-2	Total/NA	Water	8021B	
885-5585-5 MSD	MW-2	Total/NA	Water	8021B	

Lab Chronicle

Client: Ensolum
Job ID: 885-5585-1
Project/Site: Lateral k-51

Client Sample ID: MW-11
Lab Sample ID: 885-5585-1
Date Collected: 06/04/24 10:15
Matrix: Water
Date Received: 06/05/24 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6635	JP	EET ALB	06/13/24 03:56

Client Sample ID: MW-4
Lab Sample ID: 885-5585-2
Date Collected: 06/04/24 10:45
Matrix: Water
Date Received: 06/05/24 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6635	JP	EET ALB	06/13/24 05:06

Client Sample ID: MW-12
Lab Sample ID: 885-5585-3
Date Collected: 06/04/24 11:15
Matrix: Water
Date Received: 06/05/24 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6635	JP	EET ALB	06/13/24 05:30

Client Sample ID: MW-1
Lab Sample ID: 885-5585-4
Date Collected: 06/04/24 12:10
Matrix: Water
Date Received: 06/05/24 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6635	JP	EET ALB	06/13/24 05:53

Client Sample ID: MW-2
Lab Sample ID: 885-5585-5
Date Collected: 06/04/24 12:35
Matrix: Water
Date Received: 06/05/24 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6731	JP	EET ALB	06/13/24 16:12

Client Sample ID: MW-13
Lab Sample ID: 885-5585-6
Date Collected: 06/04/24 13:00
Matrix: Water
Date Received: 06/05/24 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6731	JP	EET ALB	06/13/24 17:47

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-5585-1
Project/Site: Lateral k-51

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A
Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other ______
☐ EDD (Type) ______

Turn-Around Time: ☒ Standard ☐ Rush ______

Project Name: Lateral K-51

Project #: 054 1226010

Project Manager: K. Summers

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Yoai

Cooler Temp(Including CF): 3.7-0=3.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109 885-5585 COC
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
6/4/24	10:15	w	MW-11	3x40ml VOA	HCl	1	X															
↓	10:45	w	MW-4	↓	↓	2	X															
↓	11:15	w	MW-12	↓	↓	3	X															
↓	12:10	w	MW-1	↓	↓	4	X															
↓	12:35	w	MW-2	↓	↓	5	X															
↓	13:00	w	MW-13	↓	↓	6	X															

Date	Time	Relinquished by	Received by	Via	Date	Time
6/4/24	13:00	[signature]	[signature]		6/4/24	1300
6/4/24	1736	[signature]	[signature]	courier	6/5/24	6:30

Remarks: Bill to Ensolum

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-5585-1

Login Number: 5585 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 6/21/2024 2:10:07 PM

JOB DESCRIPTION

Lateral K-51

JOB NUMBER

885-5752-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
6/21/2024 2:10:07 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Lateral K-51

Laboratory Job ID: 885-5752-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-5752-1
Project/Site: Lateral K-51

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: Lateral K-51

Job ID: 885-5752-1

Job ID: 885-5752-1 Eurofins Albuquerque

Job Narrative
885-5752-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/6/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC VOA
Method 8021B: The following sample was diluted due to the nature of the sample matrix: MW-19 (885-5752-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Client Sample ID: MW-17

Date Collected: 06/05/24 08:45
Date Received: 06/06/24 06:35

Lab Sample ID: 885-5752-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/18/24 19:26	1
Ethylbenzene	ND		1.0		ug/L			06/18/24 19:26	1
Toluene	ND		1.0		ug/L			06/18/24 19:26	1
Xylenes, Total	ND		2.0		ug/L			06/18/24 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*43 - 158*		*06/18/24 19:26*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Client Sample ID: MW-3

Date Collected: 06/05/24 09:25
Date Received: 06/06/24 06:35

Lab Sample ID: 885-5752-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/18/24 20:37	1
Ethylbenzene	ND		1.0		ug/L			06/18/24 20:37	1
Toluene	ND		1.0		ug/L			06/18/24 20:37	1
Xylenes, Total	ND		2.0		ug/L			06/18/24 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*43 - 158*		*06/18/24 20:37*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Client Sample ID: MW-16

Date Collected: 06/05/24 09:55
Date Received: 06/06/24 06:35

Lab Sample ID: 885-5752-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/18/24 21:24	1
Ethylbenzene	ND		1.0		ug/L			06/18/24 21:24	1
Toluene	ND		1.0		ug/L			06/18/24 21:24	1
Xylenes, Total	ND		2.0		ug/L			06/18/24 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*43 - 158*		*06/18/24 21:24*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Client Sample ID: MW-14

Date Collected: 06/05/24 11:10
Date Received: 06/06/24 06:35

Lab Sample ID: 885-5752-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/18/24 21:47	1
Ethylbenzene	ND		1.0		ug/L			06/18/24 21:47	1
Toluene	ND		1.0		ug/L			06/18/24 21:47	1
Xylenes, Total	ND		2.0		ug/L			06/18/24 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*43 - 158*		*06/18/24 21:47*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Client Sample ID: MW-20

Date Collected: 06/05/24 11:55
Date Received: 06/06/24 06:35

Lab Sample ID: 885-5752-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/18/24 22:10	1
Ethylbenzene	ND		1.0		ug/L			06/18/24 22:10	1
Toluene	ND		1.0		ug/L			06/18/24 22:10	1
Xylenes, Total	ND		2.0		ug/L			06/18/24 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*43 - 158*		*06/18/24 22:10*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Client Sample ID: MW-19

Date Collected: 06/05/24 12:40
Date Received: 06/06/24 06:35

Lab Sample ID: 885-5752-6

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**160**		5.0		ug/L			06/18/24 22:57	5
Ethylbenzene	**16**		5.0		ug/L			06/18/24 22:57	5
Toluene	ND		5.0		ug/L			06/18/24 22:57	5
Xylenes, Total	ND		10		ug/L			06/18/24 22:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*43 - 158*		*06/18/24 22:57*	*5*

QC Sample Results

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-6963/17
Matrix: Water
Analysis Batch: 6963

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/18/24 18:16	1
Ethylbenzene	ND		1.0		ug/L			06/18/24 18:16	1
Toluene	ND		1.0		ug/L			06/18/24 18:16	1
Xylenes, Total	ND		2.0		ug/L			06/18/24 18:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*43 - 158*		*06/18/24 18:16*	*1*

Lab Sample ID: LCS 885-6963/16
Matrix: Water
Analysis Batch: 6963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.5		ug/L		93	70 - 130		
Ethylbenzene			20.0	17.4		ug/L		87	70 - 130		
Toluene			20.0	17.4		ug/L		87	70 - 130		
Xylenes, Total			60.0	52.3		ug/L		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*43 - 158*

Lab Sample ID: 885-5752-1 MS
Matrix: Water
Analysis Batch: 6963

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		20.0	18.2		ug/L		91	70 - 130		
Ethylbenzene	ND		20.0	17.4		ug/L		87	70 - 130		
Toluene	ND		20.0	17.1		ug/L		85	70 - 130		
Xylenes, Total	ND		60.0	52.8		ug/L		88	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*43 - 158*

Lab Sample ID: 885-5752-1 MSD
Matrix: Water
Analysis Batch: 6963

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	18.3		ug/L		91	70 - 130	0	20
Ethylbenzene	ND		20.0	17.6		ug/L		88	70 - 130	1	20
Toluene	ND		20.0	17.3		ug/L		86	70 - 130	1	20
Xylenes, Total	ND		60.0	53.2		ug/L		89	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*43 - 158*

QC Association Summary

Client: Ensolum
Project/Site: Lateral K-51

Job ID: 885-5752-1

GC VOA

Analysis Batch: 6963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5752-1	MW-17	Total/NA	Water	8021B	
885-5752-2	MW-3	Total/NA	Water	8021B	
885-5752-3	MW-16	Total/NA	Water	8021B	
885-5752-4	MW-14	Total/NA	Water	8021B	
885-5752-5	MW-20	Total/NA	Water	8021B	
885-5752-6	MW-19	Total/NA	Water	8021B	
MB 885-6963/17	Method Blank	Total/NA	Water	8021B	
LCS 885-6963/16	Lab Control Sample	Total/NA	Water	8021B	
885-5752-1 MS	MW-17	Total/NA	Water	8021B	
885-5752-1 MSD	MW-17	Total/NA	Water	8021B	

Lab Chronicle

Client: Ensolum
Job ID: 885-5752-1
Project/Site: Lateral K-51

Client Sample ID: MW-17
Lab Sample ID: 885-5752-1
Date Collected: 06/05/24 08:45
Matrix: Water
Date Received: 06/06/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6963	JP	EET ALB	06/18/24 19:26

Client Sample ID: MW-3
Lab Sample ID: 885-5752-2
Date Collected: 06/05/24 09:25
Matrix: Water
Date Received: 06/06/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6963	JP	EET ALB	06/18/24 20:37

Client Sample ID: MW-16
Lab Sample ID: 885-5752-3
Date Collected: 06/05/24 09:55
Matrix: Water
Date Received: 06/06/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6963	JP	EET ALB	06/18/24 21:24

Client Sample ID: MW-14
Lab Sample ID: 885-5752-4
Date Collected: 06/05/24 11:10
Matrix: Water
Date Received: 06/06/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6963	JP	EET ALB	06/18/24 21:47

Client Sample ID: MW-20
Lab Sample ID: 885-5752-5
Date Collected: 06/05/24 11:55
Matrix: Water
Date Received: 06/06/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	6963	JP	EET ALB	06/18/24 22:10

Client Sample ID: MW-19
Lab Sample ID: 885-5752-6
Date Collected: 06/05/24 12:40
Matrix: Water
Date Received: 06/06/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	6963	JP	EET ALB	06/18/24 22:57

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-5752-1
Project/Site: Lateral K-51

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande Suite A Aztec, NM

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Lateral K-51

Project #: 05A122601D

Project Manager: K. Summers

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Yes

Cooler Temp(including CF): 7.3+0.1=7.4 (°C)

HALL ENVIRONM
ANALYSIS LABOR
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 871
Tel. 505-345-3975 Fax 505-345-4107

885-5752 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/5/24	8:45	W	MW-17	3x40mlVOA	HCl		X									
	9:25	W	MW-3				X									
	9:55	W	MW-16				X									
	11:10	W	MW-14				X									
	11:55	W	MW-20				X									
	12:40	W	MW-19				X									

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/5/24	1557				6/5/24	1557
6/5/24	1745			Courier	6/6/24	6:35

Remarks: Bill to Ensolum

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-5752-1

Login Number: 5752 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Dominguez, Desiree

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 12/19/2024 4:38:50 PM

JOB DESCRIPTION

Lateral K-51 (2010)

JOB NUMBER

885-17030-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
12/19/2024 4:38:50 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Lateral K-51 (2010)

Laboratory Job ID: 885-17030-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: Lateral K-51 (2010)

Job ID: 885-17030-1

Job ID: 885-17030-1 Eurofins Albuquerque

Job Narrative
885-17030-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/14/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.8°C and 2.8°C.

GC VOA
Method 8021B: The following sample(s) was received unpreserved and presented a pH between 5-8. Analysis was performed within 7 days per EPA recommendation: MW-1 (885-17030-2), MW-2 (885-17030-3), MW-17 (885-17030-4), MW-16 (885-17030-5), MW-14 (885-17030-6), MW-20 (885-17030-7) and MW-19 (885-17030-8) .

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-4
Lab Sample ID: 885-17030-1
Date Collected: 12/12/24 11:30
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/17/24 23:38	1
Ethylbenzene	ND		1.0		ug/L			12/17/24 23:38	1
Toluene	ND		1.0		ug/L			12/17/24 23:38	1
Xylenes, Total	ND		2.0		ug/L			12/17/24 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*43 - 158*		*12/17/24 23:38*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-1
Lab Sample ID: 885-17030-2
Date Collected: 12/12/24 12:10
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 00:48	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 00:48	1
Toluene	ND		1.0		ug/L			12/18/24 00:48	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*43 - 158*		*12/18/24 00:48*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-2
Lab Sample ID: 885-17030-3
Date Collected: 12/12/24 12:55
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 01:11	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 01:11	1
Toluene	ND		1.0		ug/L			12/18/24 01:11	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*43 - 158*		*12/18/24 01:11*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-17
Lab Sample ID: 885-17030-4

Date Collected: 12/12/24 13:40
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 01:34	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 01:34	1
Toluene	ND		1.0		ug/L			12/18/24 01:34	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*43 - 158*		*12/18/24 01:34*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-16
Lab Sample ID: 885-17030-5
Date Collected: 12/12/24 14:15
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 01:57	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 01:57	1
Toluene	ND		1.0		ug/L			12/18/24 01:57	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*43 - 158*		*12/18/24 01:57*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-14
Lab Sample ID: 885-17030-6

Date Collected: 12/12/24 14:50
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 02:21	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 02:21	1
Toluene	ND		1.0		ug/L			12/18/24 02:21	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*43 - 158*		*12/18/24 02:21*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-20
Lab Sample ID: 885-17030-7
Date Collected: 12/12/24 15:40
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 02:44	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 02:44	1
Toluene	ND		1.0		ug/L			12/18/24 02:44	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*43 - 158*		*12/18/24 02:44*	*1*

Client Sample Results

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-19
Lab Sample ID: 885-17030-8

Date Collected: 12/12/24 16:10
Matrix: Water
Date Received: 12/14/24 07:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**130**		2.0		ug/L			12/18/24 03:07	2
Ethylbenzene	**32**		2.0		ug/L			12/18/24 03:07	2
Toluene	ND		2.0		ug/L			12/18/24 03:07	2
Xylenes, Total	**8.9**		4.0		ug/L			12/18/24 03:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*43 - 158*		*12/18/24 03:07*	*2*

QC Sample Results

Client: Ensolum
Project/Site: Lateral K-51 (2010)

Job ID: 885-17030-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-17969/35
Matrix: Water
Analysis Batch: 17969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/17/24 23:14	1
Ethylbenzene	ND		1.0		ug/L			12/17/24 23:14	1
Toluene	ND		1.0		ug/L			12/17/24 23:14	1
Xylenes, Total	ND		2.0		ug/L			12/17/24 23:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*43 - 158*		*12/17/24 23:14*	*1*

Lab Sample ID: LCS 885-17969/34
Matrix: Water
Analysis Batch: 17969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.1		ug/L		100	70 - 130		
Ethylbenzene			20.0	21.8		ug/L		109	70 - 130		
Toluene			20.0	21.1		ug/L		106	70 - 130		
Xylenes, Total			60.0	63.4		ug/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*43 - 158*

Lab Sample ID: 885-17030-1 MS
Matrix: Water
Analysis Batch: 17969

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		20.0	20.2		ug/L		101	70 - 130		
Ethylbenzene	ND		20.0	21.9		ug/L		109	70 - 130		
Toluene	ND		20.0	21.5		ug/L		107	70 - 130		
Xylenes, Total	ND		60.0	65.5		ug/L		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*43 - 158*

Lab Sample ID: 885-17030-1 MSD
Matrix: Water
Analysis Batch: 17969

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	19.7		ug/L		99	70 - 130	3	20
Ethylbenzene	ND		20.0	21.8		ug/L		108	70 - 130	1	20
Toluene	ND		20.0	20.9		ug/L		104	70 - 130	3	20
Xylenes, Total	ND		60.0	64.2		ug/L		104	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*43 - 158*

QC Association Summary

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

GC VOA

Analysis Batch: 17969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17030-1	MW-4	Total/NA	Water	8021B	
885-17030-2	MW-1	Total/NA	Water	8021B	
885-17030-3	MW-2	Total/NA	Water	8021B	
885-17030-4	MW-17	Total/NA	Water	8021B	
885-17030-5	MW-16	Total/NA	Water	8021B	
885-17030-6	MW-14	Total/NA	Water	8021B	
885-17030-7	MW-20	Total/NA	Water	8021B	
885-17030-8	MW-19	Total/NA	Water	8021B	
MB 885-17969/35	Method Blank	Total/NA	Water	8021B	
LCS 885-17969/34	Lab Control Sample	Total/NA	Water	8021B	
885-17030-1 MS	MW-4	Total/NA	Water	8021B	
885-17030-1 MSD	MW-4	Total/NA	Water	8021B	

Lab Chronicle

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-4
Lab Sample ID: 885-17030-1
Date Collected: 12/12/24 11:30
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/17/24 23:38

Client Sample ID: MW-1
Lab Sample ID: 885-17030-2
Date Collected: 12/12/24 12:10
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 00:48

Client Sample ID: MW-2
Lab Sample ID: 885-17030-3
Date Collected: 12/12/24 12:55
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 01:11

Client Sample ID: MW-17
Lab Sample ID: 885-17030-4
Date Collected: 12/12/24 13:40
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 01:34

Client Sample ID: MW-16
Lab Sample ID: 885-17030-5
Date Collected: 12/12/24 14:15
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 01:57

Client Sample ID: MW-14
Lab Sample ID: 885-17030-6
Date Collected: 12/12/24 14:50
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 02:21

Client Sample ID: MW-20
Lab Sample ID: 885-17030-7
Date Collected: 12/12/24 15:40
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 02:44

Lab Chronicle

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Client Sample ID: MW-19
Lab Sample ID: 885-17030-8
Date Collected: 12/12/24 16:10
Matrix: Water
Date Received: 12/14/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	17969	JP	EET ALB	12/18/24 03:07

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-17030-1
Project/Site: Lateral K-51 (2010)

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-25

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A
Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Lateral K-51 (2010)

Project #: 05A1226010

Project Manager: K. Summers

Sampler: L. Daniell

On Ice: ☑ Yes ☐ No mojo

# of Coolers: 2

Cooler Temp(including CF): 3.1 - 0.3 = 2.8 (°C)
2.1 - 0.3 = 1.8 °C

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-17030 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / ~~MTBE~~ / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/12/24	11:30	W	MW-4	3x40mlVOA	HCl Cool	1	X									
	12:10	W	MW-1		Cool	2	X									
	12:55	W	MW-2			3	X									
	13:40	W	MW-17			4	X									
	14:15	W	MW-16			5	X									
	14:50	W	MW-14			6	X									
	15:40	W	MW-20			7	X									
	16:10	W	MW-19			8	X									

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/13/24	1221				12/13/24	1221
12/13/24	1745	Christian Waller		courier	12/14/24	7:30

Remarks:
Bill to Ensolum

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-17030-1

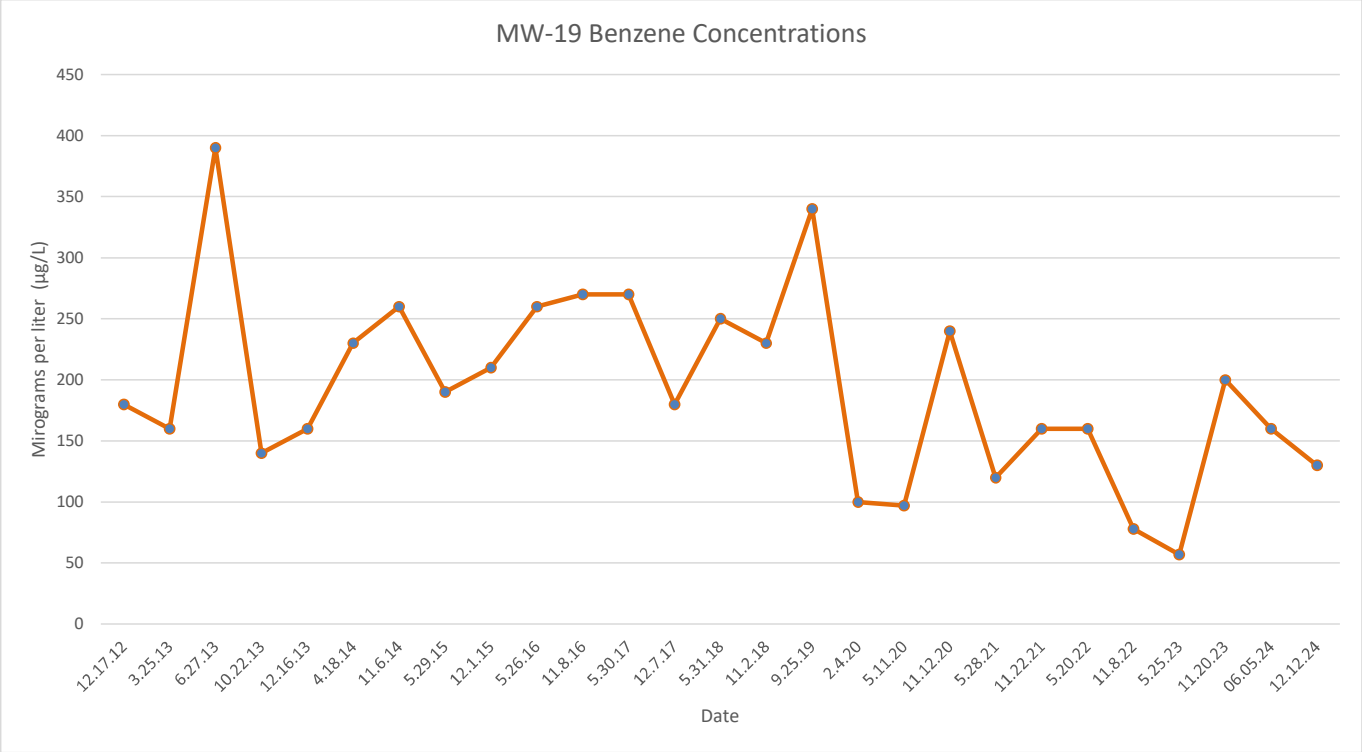
Login Number: 17030 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

ENSOLUM

APPENDIX E

Benzene Concentration Chart


MW-19 Benzene Concentrations
Micrograms per liter (µg/L)
450
400
350
300
250
200
150
100
50
0
12.17.12
3.25.13
6.27.13
10.22.13
12.16.13
4.18.14
11.6.14
5.29.15
12.1.15
5.26.16
11.8.16
5.30.17
12.7.17
5.31.18
11.2.18
9.25.19
2.4.20
5.11.20
11.12.20
5.28.21
11.22.21
5.20.22
11.8.22
5.25.23
11.20.23
06.05.24
12.12.24
Date

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	241602
	Action Number: 443578
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2024 Groundwater Monitoring Report for Lateral K-51 Pipeline Release: content satisfactory 1. Continue to conduct groundwater sampling events as prescribed in section 2.0 and approved by OCD. 2. OCD notes that MW-18 was supposed to be installed in 2020, but has not been as of 05/09/2025. Please submit when the installation of MW-18 will be scheduled to the OCD no later than 30 days from 05/09/2025. 3. Submit the next annual monitoring report to the OCD by April 1, 2025.	5/9/2025