Released Volume Calculation

Length 27 feet

Width 28 feet

Thickness 0.5 in

378 gal = 9 Est. Total Bbls Released

Volume = L*W*T

Total Released Volume = 378 gallons (US, dry)

9 Bbls

Release volume is unknown but is estimated based on size of barren area.



Remediation Summary and Closure Request

September 18, 2025

Bagley SWD #004, Area 2 API 30-025-01015 Historical Produced Water Release Incident No. nAPP2509977675 Lea County, New Mexico

Prepared For:

BXP Operating, LLC 11757 Katy Freeway, Suite 475 Houston, Texas 77079

Prepared By:

Crain Environmental 2925 East 17th Street Odessa, Texas 79761

Cynthia K Crain P.G.



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Figure 6 - Karst Potential Map

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APPENDICES

Appendix A – NMOCD Communication

Appendix B – NMOSE Water Well Records

Appendix C - NMSLO Cultural Resources Cover Sheet

Appendix D - NMSLO Biological Desktop Review

Appendix E - Laboratory Report and Chain-of-Custody Documentation

Appendix F - Photographic Documentation

Appendix G- Waste Manifests



1.0 Introduction

Crain Environmental (CE), on behalf of BXP Operating, LLC (BXP), has prepared this Remediation Summary and Closure Report for the produced water release at Bagley SWD #004, Area 2 (Site), located in in Unit Letter N, Section 35, Township 11 South, Range 33 East, Lea County, New Mexico, at Global Positioning Coordinates (GPS) 33.316711, -103.587808. The property surface rights are owned by the State of New Mexico.

The Bagley SWD #004 is located approximately 17 miles northwest of Tatum, New Mexico, in an area of oil and gas activity, cattle grazing, and sparse vegetation.

The site can be accessed by traveling west from Tatum, New Mexico on Highway 380 for 15.23 miles to County Road 457. Travel south on 457 for 1.23 miles and west for 0.82 miles to Bagley Field Road. Continue west on Bagley Field Road for 0.64 miles to the site on the north side of the road. There are no locked gates or other access issues. Figure 1 shows the site location.

2.0 Background

On October 21, 2024, BXP received an email from the New Mexico State Land Office (NMSLO) Environmental Compliance Office (ECO) stating there was an open Incident (#nDEV1776) from 1993 with the New Mexico Oil Conservation Division (NMOCD), and an NMOCD compliance inspection (cEZB2328943265) from October 2023 that indicated spills and releases at the site that had not been resolved. A Site Assessment Workplan was submitted to the ECO on October 28, 2024, and was approved on November 6, 2024. Site assessment activities were conducted in the tank battery and eight barren areas of the Lease on November 20, 2024, and sample results were submitted to ECO via email on December 16, 2024.

Notifications of Release (NOR) for each of the nine areas were submitted to the NMOCD on April 9, 2025, and the following Incident numbers were assigned:

- nAPP2509976410 (Area 1)
- nAPP2509977675 (Area 2)
- nAPP2509978375 (Area 3)
- nDEV1776 (Area 4)
- nAPP2509978939 (Area 5)
- nAPP2509979883 (Area 6)
- nAPP2509980372 (Area 7)
- nAPP2509980836 (Area 8)
- nAPP2509974572 (Area 9)



Figure 2 shows the areas of investigation with the respective Incident numbers. A Site Characterization Report and Remediation Workplan was submitted to the NMOCD on April 10, 2025, for Incident #nDEV1776, and was denied on April 22, 2025, for the following reasons:

- Horizontal delineation submitted was incomplete and did not meet requirements of 19.15.29.11 NMAC.
- Incident nDEV1776 (Area 4) has not been fully delineated, horizontally or vertically.
- The current samples within Area 4, nDEV1776, do not meet 19.15.29.11 NMAC for horizontal and vertical delineation.
- Deferral request for nDEV1776 (Area 4) will not be granted. Depth to groundwater is at 43 feet.
- If P&A activities are going to impact remediation activities for nDEV1776, Area 4, address how activities will be coordinated in the remediation workplan. Provide a detailed timeline when remediation is to begin and conclude.
- Submit a remediation workplan via the OCD permitting portal by July 21, 2025.

A Revised Site Characterization Report and Remediation Workplan was prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and was submitted to the NMOCD on April 26, 2025. As horizontal and vertical delineation activities during excavation/remediation activities are commonly approved by the NMOCD, BXP elected to conduct horizontal and vertical delineation activities during excavation/remediation. As BXP does not have a definite timeline for plugging and abandonment (P&A) of the Bagley SWD #004 well, and the tank battery is being used for other wells in addition to the Bagley SWD #004, references to P&A and deferral of remediation at the tank battery were removed from the Revised Workplan (Workplan).

As remediation of each Incident # included in the Workplan will be completed in sequential order, each has the same Closure Criteria, remediation at each will be conducted by dig and haul methods, and horizontal and vertical delineation will be completed at each Incident during excavation/remediation, all Incidents associated with the Bagley SWD #004 were included in the Revised Site Characterization Report and Remediation Workplan, and on April 26, 2025, the Revised Workplan was submitted to the NMOCD for each Incident listed above.

The Revised Workplan was approved by the NMOCD on May 6, 2025, and reports were requested to be submitted by August 4, 2025.

On August 4, 2025, BXP requested a 90-day extension to complete remediation activities at Area 1 (Incident #nAPP2509976410), Area 2 (nAPP2509977675), Area 4 (nDEV1776), Area 7 (nAPP2509980372), Area 8 (nAPP2509980836, and Area 9 (nAPP2509974572). The NMOCD



approved the 90-day extension on August 4, 2025, with a new date of November 3, 2025, for Closure Report submittals. Appendix A provides a copy of the NMOCD communication.

This Remediation Summary and Closure Report for Area 2, Incident #nAPP2509977675, has been prepared in accordance with 19.15.29.11 NMAC and is being submitted prior to the NMOCD due date.

3.0 NMOCD Closure Criteria

Cleanup standards for produced water spills are provided in 19.15.29 NMAC. The cleanup standards (described in the rule as "Closure Criteria") are based primarily on depth to groundwater but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

CE reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated several water wells located within a 0.5-mile radius of the Site with depth to groundwater provided; however, each well was drilled in the 1950's. CE was able to locate well L-01327 and measured



a depth to groundwater of 43.1' below ground surface (bgs) on March 28, 2025. Based on the depth to groundwater in well L-01327, the most stringent NMOCD Closure Criteria will apply to each Incident at the Site. Figure 3 provides a wellhead protection area map that shows the location of water wells within a 0.5-mile radius of the Site, as recorded with NMOSE. NMOSE water well records with depth to groundwater listed are provided in Appendix B.

3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is not located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
 - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the aerial map (Figure 3).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
 - The aerial map (Figure 3) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
 - The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
 - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.
- Within 1,000 feet of any fresh water well or spring.
 - No freshwater wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
 - Based on the property and other records review by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.



 Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a "low karst potential" area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

A review of the New NMOSE records indicated several water wells located within a 0.5-mile radius of the Site with depth to groundwater provided; however, each well was drilled in the 1950's. CE was able to locate well L-01327 (located 1,279 feet west of Bagley SWD #004) and measured a depth to groundwater of 43.1' bgs on March 28, 2025.

Based on the depth of groundwater in well L-01327, the most stringent NMOCD Closure Criteria associated with groundwater depths of less than 50 feet bgs will apply to each Incident at the Bagley SWD #004. A summary of the Closure Criteria is provided in the table below and in Table 1. Figure 3 provides a wellhead protection area map that shows the location of water wells within a 0.5-mile radius of the Site, as recorded with NMOSE. NMOSE water well records with depth to groundwater listed are provided in Appendix B.

NMOCD Closure Criteria

		Closure Criteria Based on Depth to Groundwater (mg/kg)				
Constituent of Concern		≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs		
Chloride (EPA 300)		600	10,000	20,000		
TPH (EPA 8015M)	GRO + DRO + MRO	100	2,500	2,500		
	GRO + DRO	NA	1,000	1,000		
Total BTEX (EPA 8021 or 8260)		50	50	50		
Benzene (EPA 8021 or 8260)	10	10	10		

Notes: NA = not applicable

bgs = below ground surface mg/kg = milligrams per kilogram GRO = gasoline range organics

Bagley SWD #004 (Area 2) Produced Water Release Remediation Summary and Closure Request



DRO = diesel range organics
MRO = motor oil range organics
TPH = total petroleum hydrocarbons
BTEX = benzene, toluene, ethylbenzene, and total xylenes
Green highlighted cells denote applicable Closure Criteria.

4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities are provided on Figures 2 and 7.

4.2 Depth to Groundwater

As discussed in Section 3.1, a depth to groundwater of 43.1' bgs was measured in well L-01327 (located 1,279 feet west of Bagley SWD #004) on March 28, 2025.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site.

4.5 Summary of Remediation Activities

As sample locations include areas located in previously disturbed areas, compliance with the Cultural Properties Protection (CPP) rule will apply, and an Archaeological Survey has been conducted. The Survey Cover Sheet for NMCRIS Activity Number 157575 is included as Appendix C.

A biological desktop review was conducted, and no critical habitats were found in proximity to the subject Site. A copy of the U.S. Fish & Wildlife Service database review is included as Appendix D.



Following approval of the *Revised Site Characterization Report and Remediation Workplan* on May 6, 2025, excavation was conducted until five-point composite samples were collected from the bottom (B-1) and sidewalls (S-1 through S-4) of the excavation on August 4, 2025.

All confirmation samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Eurofins Environment Testing (Eurofins) in Midland, Texas for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015 Modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chlorides by EPA Method 300.0.

Table 1 provides a summary of laboratory results. Figure 7 shows the sample locations. Appendix E provides a copy of the laboratory report and chain of custody documentation. Appendix F provides a photographic log of site assessment activities.

Referring to Table 1, concentrations of benzene and BTEX were reported below the test method detection limits in each sample. Concentrations of TPH were reported below the test method detection limits or the Closure Criteria in each sample, and concentrations of chlorides were reported below the Closure Criteria in each sample.

The dimensions of the final excavation measured 13' x 13' and covered a surface area of 169 square feet. All samples collected at the bottom of the excavation were at a depth of 1.5' bgs. All affected soil has been excavated, and 40 cubic yards (cy) of soil were hauled to GM, Inc. for disposal on August 7, 2025. Waste Manifests are provided in Appendix G.

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Report Number 880-61152-1 generated by Eurofins, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix E.

5.0 Closure Request

A total of 40 cy of soil was excavated and hauled to disposal at GM, Inc. All confirmation samples collected from the bottom and sidewalls of the excavation reported TPH, Benzene, BTEX, and chloride concentrations below the NMOCD Closure Criteria. The dimensions of the final excavation measured 13' x 13' and covered a surface area of 169 square feet.



Upon NMOCD and ECO approval of this Closure Report, the excavation will be backfilled to grade with non-impacted similar material obtained from a landowner pit. A five-point composite sample will be collected from the backfill material, and will be analyzed for TPH, BTEX, and chlorides.

Pursuant to 19.15.29.13 NMAC, the remediated surface area will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

Seeding of the backfilled excavation will be conducted during the next favorable growing season. The remediated areas will be re-seeded by seed drill method using the NMSLO Coarse Seed Mix (planted in the amount specified in the pounds live seed (PLS) per acre), and fresh water will be applied for two consecutive weeks following re-seeding.

BXP respectfully requests the closure of Incident #nAPP2509977675.

6.0 Distribution

Copy 1: Mike Bratcher

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division, District 2

811 S. First Street

Artesia, New Mexico 88210

Copy 2: Environmental Compliance Office

ECO@nmslo.gov



TABLE

Received by OCD: 9/18/2025 8:38:10 PM

Table 1 Summary of Soil Sample Analyses BXP Operating, LLC Bagley SWD #004 Area 2 - Incident #nAPP2509977675

Page 13 of 72

Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
(feet bgs)			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	milligrams per kilogram (mg/kg)									
N	MOCD Clo	sure Criteria		-	•	•	100	10	-	-	-	50	600.0
S-14 (0-6")	11/20/24	0-6"	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	888
S-14 (1.5')	11/20/24	1.5'	In Situ	<14.5	62.8	<15.1	62.8	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	506
Confirmation	Confirmation Samples From Sidewalls of Excavation												
S-1	08/04/25	0-1.5'	In Situ	<14.5	<15.1	45.8 JB	45.8 JB	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	19.9
S-2	08/04/25	0-1.5'	In Situ	<14.5	<15.1	40.3 JB	40.3 JB	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	9.45 J
S-3	08/04/25	0-1.5'	In Situ	<14.5	15.9 J	40.6 JB	56.5	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	7.10 J
S-4	08/04/25	0-1.5'	In Situ	<14.5	<15.1	38.7 JB	38.7 J	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	6.33 J
Confirmation	Confirmation Samples From Bottom of Excavation												
B-1	08/04/25	1.5'	In Situ	<14.5	18.4 J	39.3 JB	57.7	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	4.11 J

Notes:

- 1. GRO: Gasoline Range Organics
- 2. DRO: Diesel Range Organics
- 3. MRO: Motor Oil Range Organics
- 4. bgs: below ground surface
- 5. Bold and highlighting indicates the COC was detected above the NMOCD Closure Criteria.
- 6. < indicates the COC was below the appropriate laboratory method/sample detection limit
- 7. Yellow highlighting indicates the COC concentration exceeds the NMOCD Closure Criteria
- 8. Green highlighting indicates soil was excavated and disposed.
- 9. J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- 10. B: Compound was found in the blank and sample.



FIGURES

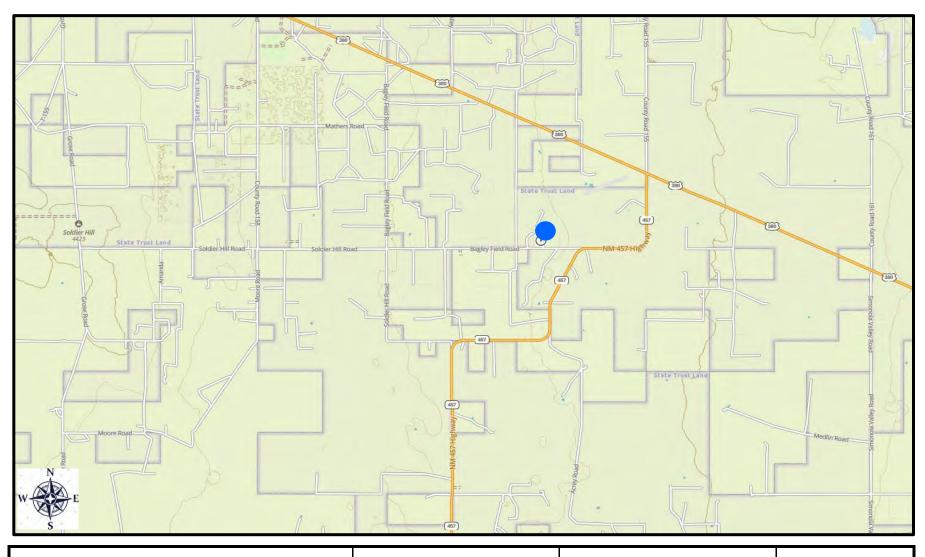




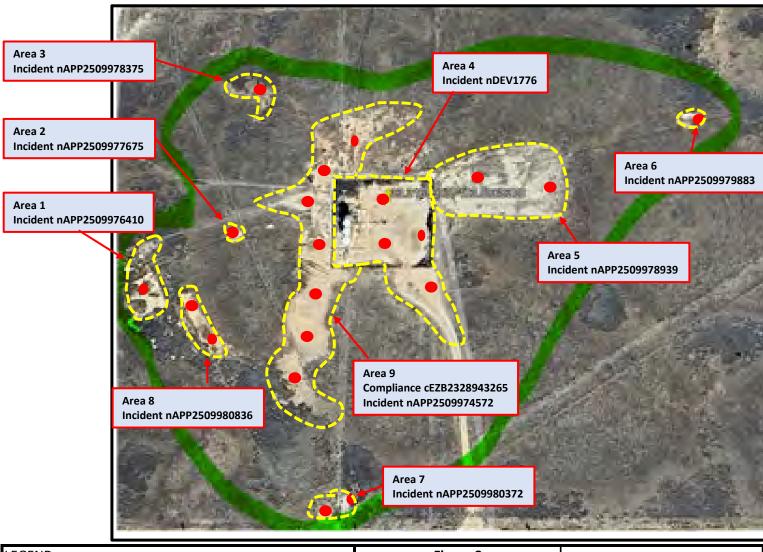
Figure 1
Site Location Map
BXP Operating, LLC
Bagley SWD #004
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Sept. 14, 2025

GPS: 33.316711° -103.587808°





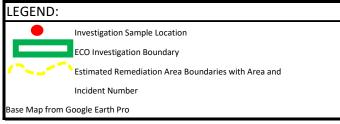


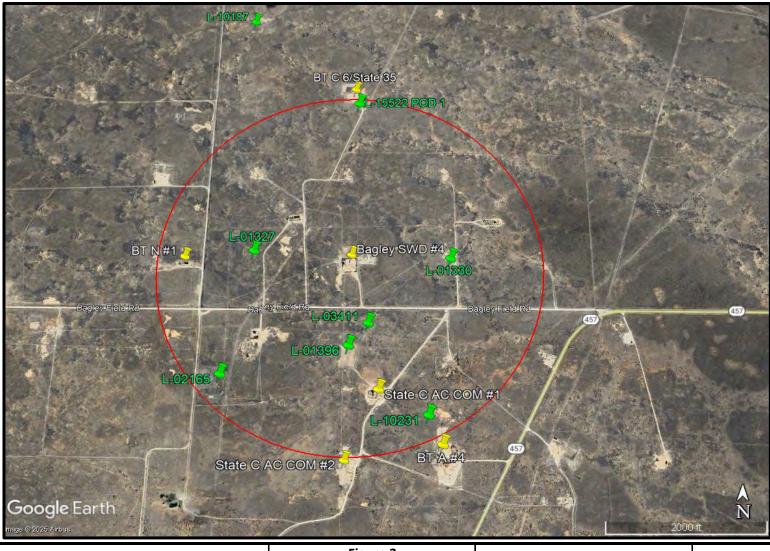
Figure 2
Estimated Remediation Area
Boundaries
BXP Operating, LLC
Bagley SWD #004
Lea County, New Mexico

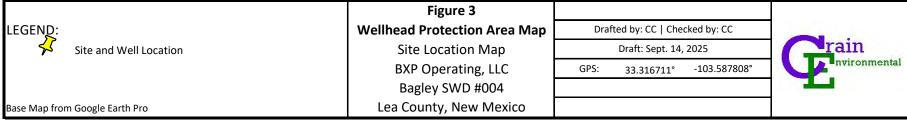
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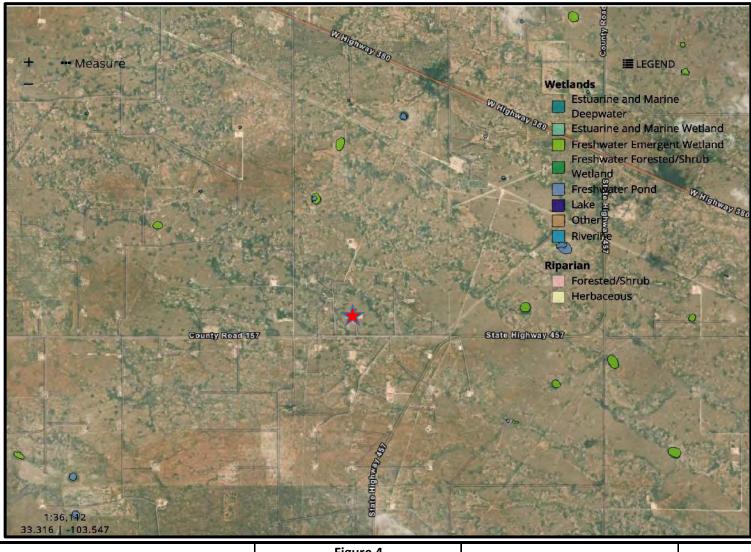
Draft: Sept. 14, 2025

GPS: 33.316711° -103.587808°

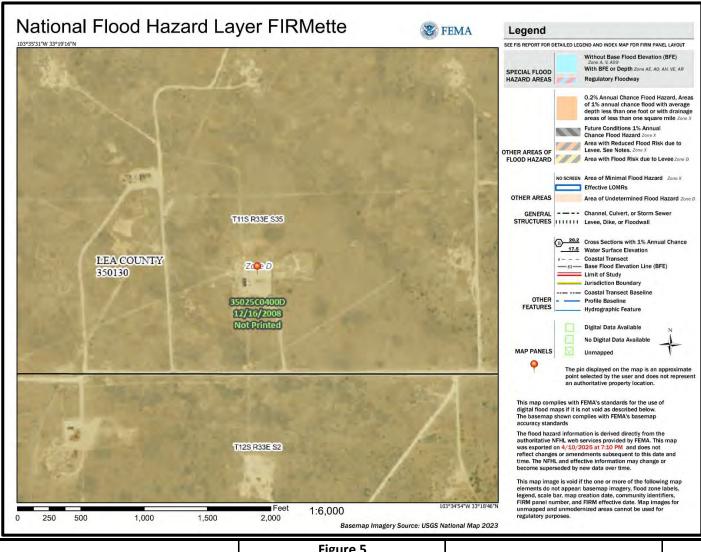


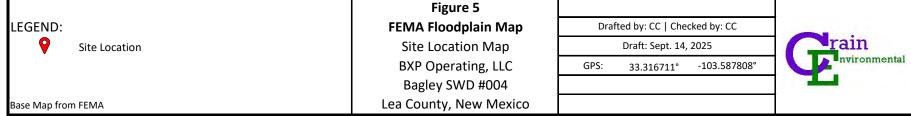


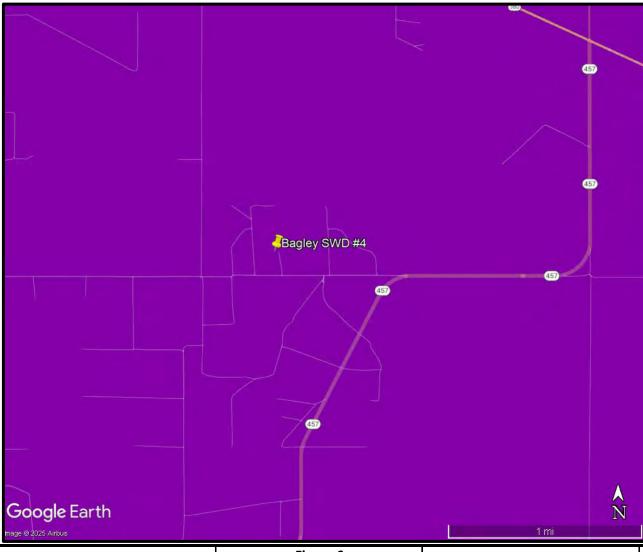












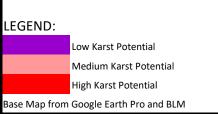


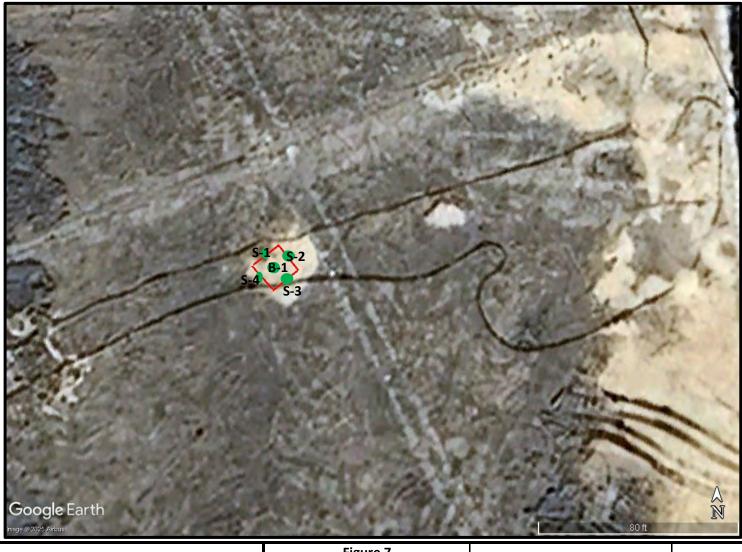
Figure 6
Karst Potential Map
Site Location Map
BXP Operating, LLC
Bagley SWD #004
Lea County, New Mexico

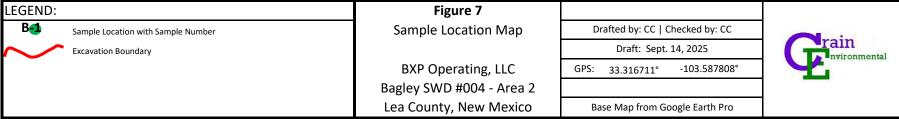
Drafted by: CC | Checked by: CC

Draft: Sept. 14, 2025

GPS: 33.316711° -103.587808°









Appendix A: NMOCD Communication



BXP Operating - Bagley SWD #4 - Request for Extension

5 messages

Cindy Crain <cindy.crain@gmail.com>

Sat, Aug 2, 2025 at 5:13 PM

Received by OCD: 9/18/2025 8:38:10 PM

To: "Maxwell, Ashley, EMNRD" <ashley.maxwell@emnrd.nm.gov>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, OCD@emnrd.nm.gov, "Romero, Rosa, Emnrd" <rosam.romero@emnrd.nm.gov>

Hi Ashley,

Remediation has been completed at Area 6 (Incident #nAPP2509979883), Area 5 (Incident #nAPP2509978939), and Area 3 (Incident #nAPP2509978375) at the Bagley SWD #4, and Remediation Summary and Closure Requests for each of those 3 Incidents will be submitted to the fee portal by tomorrow (8/3/25).

Remediation has been conducted at Area 1 (Incident #nAPP2509976410), Area 2 (Incident #nAPP2509977675), and Area 8 (Incident #nAPP250990836), and confirmation samples are scheduled to be collected on 8/4/25.

As NMOCD has requested reports for each of the 9 areas by August 4, 2025, BXP respectfully requests a 180-day extension to continue remediation and submit Closure Reports for the remaining areas.

Please let me know if you have any questions or need additional information.

Thank you, Cindy Crain

Crain Environmental 2925 East 17th Street Odessa, TX 79761 (575) 441-7244

Cindy Crain <cindy.crain@gmail.com>

Sat, Aug 2, 2025 at 10:37 PM

To: "Maxwell, Ashley, EMNRD" <ashley.maxwell@emnrd.nm.gov>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, OCD@emnrd.nm.gov, "Romero, Rosa, Emnrd" <rosam.romero@emnrd.nm.gov>

Ashley,

I submitted the Remediation Summary and Closure Report for Area 6 (Incident #nAPP2509979883) earlier today, and just realized that I forgot to add my signature.

Is there any way you can replace the submitted report with the attached corrected report?

Thank you, Cindy Crain

[Quoted text hidden]

+Bagley 4 SWD_Area 6_Closure Report_8.2.25_reduced.pdf 6005K

Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Mon, Aug 4, 2025 at 5:10 PM

To: Cindy Crain <cindy.crain@gmail.com>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>

Good afternoon Cindy,

A 90-day extension request is approved for the following incidents at the Bagley SWD #004: nAPP2509976410, nAPP2509977675, nAPP2509980836, nDEV1776, nAPP2509974572, and NAPP2509980372. Remediation closure report(s) must be submitted to the OCD no later than November 3, 2025. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520 Shelly.Wells@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Cindy Crain <cindy.crain@gmail.com>

Sent: Saturday, August 2, 2025 9:38 PM

To: Maxwell, Ashley, EMNRD < Ashley. Maxwell@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; OCD@emnrd.nm.gov; Romero, Rosa, EMNRD <RosaM.Romero@emnrd.nm.gov>

Subject: [EXTERNAL] Re: BXP Operating - Bagley SWD #4 - Request for Extension

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

[Quoted text hidden]

Cindy Crain <cindy.crain@gmail.com>

Wed, Aug 6, 2025 at 10:51 AM

To: "Wells, Shelly, EMNRD" <Shelly.Wells@emnrd.nm.gov>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>

Bcc: Doug Brown <dbrown@bxpltd.com>, mymerch@penrocoil.com, Bianca Guerrero <bguerrero@bxpltd.com>

Thank you, Shelly!

Cindy Crain
[Quoted text hidden]

Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov> To: Cindy Crain <cindy.crain@gmail.com>

Wed, Aug 6, 2025 at 10:52 AM

You are welcome, Cindy.

[Quoted text hidden]



Appendix B: NMOSE Water Well Records

Point of Diversion Summary

NAD83 UTM in meters quarters are smallest to largest **Well Tag POD Nbr Q64** Q16 Q4 Sec Tws Rng Х Υ Map 3687301.0 * L 01327 SW SW 35 115 33E 631143.0

quarters are 1=NW 2=NE 3=SW 4=SE

* UTM location was derived from PLSS - see Help

Driller License: Driller Company: 33 TATUM CLAUDE E. **Driller Name:** TATUM, CLAUDE E. **Drill Start Date:** 1951-12-17 **Drill Finish Date:** 1951-12-18 Plug Date: 1954-07-10 Log File Date: 1952-02-18 **PCW Rcv Date:** 1953-02-20 Source: Shallow Pump Type: Pipe Discharge Size: **Estimated Yield:** Casing Size: 7.00 Depth Well: 115 **Depth Water:** 55

Water Bearing Stratifications:

Тор	Bottom	Description
55	115	Sandstone/Gravel/Conglomerate

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/26/24 11:59 AM MST Point of Diversion Summary

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Well Tag

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE quarters are smallest to largest

NAD83 UTM in meters

POD Nbr Q64 Q16 Q4 Sec Tws Rng X Y Map

11S

33E

631947.0

35

3687312.0 *

* UTM location was derived from PLSS - see Help

L 01330

Driller License:	33	Driller Company:	TATUM CLAUDE E.		
Driller Name:	TATUM, CLAU	JDE E.			
Drill Start Date:	1951-12-20	Drill Finish Date:	1951-12-21	Plug Date:	1954-08-31
Log File Date:	1952-02-18	PCW Rcv Date:	1953-02-24	Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	6.63	Depth Well:	115	Depth Water:	55

SE

SW

Water Bearing Stratifications:

Тор	Bottom	Description
25	55	Sandstone/Gravel/Conglomerate
55	110	Sandstone/Gravel/Conglomerate
110	115	Sandstone/Gravel/Conglomerate

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10/26/24 12:00 PM MST Point of Diversion Summary

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Well Tag

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE NAD83 UTM in meters quarters are smallest to largest **POD Nbr Q64** Q16 Q4 Sec Tws Rng X Υ Map 3688607.0 * L 06949 NW NW NW 35 115 33E 631025.0

* UTM location was derived from PLSS - see Help

Driller License: ABBOTT BROTHERS COMPANY **Driller Company: Driller Name:** MURRELL ABBOTT **Drill Start Date: Drill Finish Date:** 1972-06-04 Plug Date: 1973-01-19 1972-06-02 Log File Date: 1972-06-09 **PCW Rcv Date:** Source: Shallow Pump Type: Pipe Discharge Size: **Estimated Yield:** Casing Size: 7.00 Depth Well: 135 **Depth Water:** 80

Water Bearing Stratifications:

Тор	Bottom	Description
127	135	Sandstone/Gravel/Conglomerate

Casing Perforations:

Тор	Bottom
75	135

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10/26/24 12:00 PM MST Point of Diversion Summary

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Appendix C: NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

Exhibit Type (select one)

(if applicable)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



Appendix D: Biological Desktop Review

Project code: 2025-0081805 04/10/2025 20:04:51 UTC

PROJECT SUMMARY

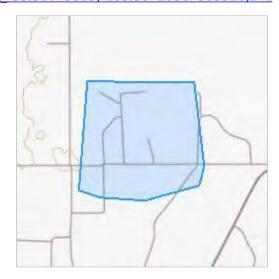
Project Code: 2025-0081805 Project Name: Bagley SWD #004

Project Type: Non-NPL Site Remediation

Project Description: Soil remediation

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@33.31675815,-103.58720367585516,14z



Counties: Lea County, New Mexico

Project code: 2025-0081805 04/10/2025 20:04:51 UTC

BIRDS

NAME **STATUS**

Lesser Prairie-chicken Tympanuchus pallidicinctus

Endangered

Population: Southern DPS

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924

Northern Aplomado Falcon Falco femoralis septentrionalis **Experimental**

Population: U.S.A (AZ, NM) Population, No critical habitat has been designated for this species. Non-Essential

Species profile: https://ecos.fws.gov/ecp/species/1923

INSECTS

NAME **STATUS**

Monarch Butterfly *Danaus plexippus*

Proposed There is **proposed** critical habitat for this species. Your location does not overlap the critical Threatened

habitat.

Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.



Appendix E – Laboratory Report and Chain-of-Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Generated 8/11/2025 1:04:21 PM

JOB DESCRIPTION

Bagley SWD #4 Area 2 Lea Co., NM

JOB NUMBER

880-61152-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 8/11/2025 1:04:21 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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8/11/2025

Released to Imaging: 10/2/2025 3:55:21 PM

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2

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14

Client: Crain Environmental
Project/Site: Bagley SWD #4 Area 2

Laboratory Job ID: 880-61152-1 SDG: Lea Co., NM

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Definitions/Glossary

Job ID: 880-61152-1 Client: Crain Environmental Project/Site: Bagley SWD #4 Area 2 SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier **Qualifier Description** LCS and/or LCSD is outside acceptance limits, high biased. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** В Compound was found in the blank and sample. Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. S1+ Surrogate recovery exceeds control limits, high biased.

HPLC/IC

U

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

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

Indicates the analyte was analyzed for but not detected.

%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**

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI 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 Practical Quantitation Limit **PQL**

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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: Crain Environmental Job ID: 880-61152-1 Project: Bagley SWD #4 Area 2

Eurofins Midland Job ID: 880-61152-1

Job Narrative 880-61152-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when sitespecific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/5/2025 2:45 PM. 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 -1.9°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (880-61152-1), S-2 (880-61152-2), S-3 (880-61152-3), S-4 (880-61152-4) and B-1 (880-61152-5).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-115882 and 880-115945 and analytical batch 880-115929 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (880-61152-2), S-3 (880-61152-3), S-4 (880-61152-4), (880-60970-A-16-A MB) and (880-60970-A-16-B MDLV). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-115945 and analytical batch 880-115929 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-115929 recovered under the lower control limit for Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-115922 and analytical batch 880-116303 contained Diesel Range Organics (Over C10-C28) and Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-115922/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1

SDG: Lea Co., NM

Lab Sample ID: 880-61152-1

Matrix: Solid

Client Sample ID: S-1

Date Collected: 08/04/25 11:55 Date Received: 08/05/25 14:45

Sample Depth: 0-1.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/06/25 09:19	08/07/25 00:16	
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/06/25 09:19	08/07/25 00:16	
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/06/25 09:19	08/07/25 00:16	
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		08/06/25 09:19	08/07/25 00:16	
o-Xylene	<0.00158	U *+	0.00200	0.00158	mg/Kg		08/06/25 09:19	08/07/25 00:16	
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		08/06/25 09:19	08/07/25 00:16	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Bromofluorobenzene (Surr)	121		70 - 130				08/06/25 09:19	08/07/25 00:16	
1,4-Difluorobenzene (Surr)	105		70 - 130				08/06/25 09:19	08/07/25 00:16	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			08/07/25 00:16	
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	45.8	J	49.9	15.1	mg/Kg			08/09/25 21:56	
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		08/06/25 07:57	08/09/25 21:56	
Diesel Range Organics (Over	.45.4	11	40.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 21:56	
	<15.1	U	49.9		0 0		00/00/20 07:07	00/03/23 21:30	
C10-C28) Oil Range Organics (Over		JB	49.9 49.9	15.1			08/06/25 07:57	08/09/25 21:56	
C10-C28) Oil Range Organics (Over C28-C36)									
C10-C28) Oil Range Organics (Over C28-C36) Surrogate	45.8	JB	49.9				08/06/25 07:57	08/09/25 21:56	Dil Fa
C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	45.8 %Recovery	JB	49.9				08/06/25 07:57 Prepared	08/09/25 21:56 Analyzed	Dil Fa
C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, I	45.8 %Recovery 99 114	J B Qualifier	49.9 Limits 70 - 130 70 - 130				08/06/25 07:57 Prepared 08/06/25 07:57	08/09/25 21:56 Analyzed 08/09/25 21:56	Dil Fa
C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	45.8 **Recovery 99 114 on Chromatograp	J B Qualifier	49.9 Limits 70 - 130 70 - 130			<u>D</u>	08/06/25 07:57 Prepared 08/06/25 07:57	08/09/25 21:56 Analyzed 08/09/25 21:56	Dil Fac

Client Sample ID: S-2 Lab Sample ID: 880-61152-2 Date Collected: 08/04/25 12:00 Matrix: Solid

Date Received: 08/05/25 14:45

Sample Depth: 0-1.5'

 Method: SW846 8021B - Vol	atile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		08/06/25 09:19	08/07/25 00:37	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/06/25 09:19	08/07/25 00:37	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		08/06/25 09:19	08/07/25 00:37	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/06/25 09:19	08/07/25 00:37	1
o-Xylene	< 0.00159	U *+	0.00201	0.00159	mg/Kg		08/06/25 09:19	08/07/25 00:37	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/06/25 09:19	08/07/25 00:37	1

Job ID: 880-61152-1

SDG: Lea Co., NM

Client Sample ID: S-2

Client: Crain Environmental

Date Collected: 08/04/25 12:00 Date Received: 08/05/25 14:45

Project/Site: Bagley SWD #4 Area 2

Sample Depth: 0-1.5'

Lab Sample ID: 880-61152-2

Lab Sample ID: 880-61152-3

Matrix: Solid

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	08/06/25 09:19	08/07/25 00:37	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/06/25 09:19	08/07/25 00:37	1
Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation				

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Total BTEX <0.00229 U 0.00402 0.00229 08/07/25 00:37 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac **Total TPH** 40.3 J 50.0 15.1 mg/Kg 08/09/25 22:40

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier D Analyte RL MDL Unit Prepared Analyzed Dil Fac <14.5 U 50.0 08/06/25 07:57 08/09/25 22:40 Gasoline Range Organics 14.5 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <15.1 U 50.0 15.1 mg/Kg 08/06/25 07:57 08/09/25 22:40 C10-C28) 08/06/25 07:57 Oil Range Organics (Over 40.3 JB 50.0 15.1 mg/Kg 08/09/25 22:40 C28-C36)

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 08/06/25 07:57 08/09/25 22:40 1-Chlorooctane 99 o-Terphenyl 114 70 - 130 08/06/25 07:57 08/09/25 22:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 9.45 10.1 08/06/25 19:21 0.399 mg/Kg

Date Collected: 08/04/25 12:05 Date Received: 08/05/25 14:45

Client Sample ID: S-3

Sample Depth: 0-1.5'

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		08/06/25 09:19	08/07/25 00:57	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/06/25 09:19	08/07/25 00:57	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/06/25 09:19	08/07/25 00:57	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		08/06/25 09:19	08/07/25 00:57	1
o-Xylene	<0.00160	U *+	0.00202	0.00160	mg/Kg		08/06/25 09:19	08/07/25 00:57	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		08/06/25 09:19	08/07/25 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				08/06/25 09:19	08/07/25 00:57	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/06/25 09:19	08/07/25 00:57	1

Eurofins Midland

08/07/25 00:57

0.00404

0.00231 mg/Kg

<0.00231 U

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1 SDG: Lea Co., NM

Client Sample ID: S-3 Lab Sample ID: 880-61152-3

Date Collected: 08/04/25 12:05 Date Received: 08/05/25 14:45

Matrix: Solid

Sample Depth: 0-1.5'

Method: SW846 8015 NM - Diesel F	Range Organics (DRO)	(GC)					
Analyte	Result Qualifier	RL	MDL Un	nit D	Prepared	Analyzed	Dil Fac
Total TPH	56.5	50.0	15.1 mg	g/Kg		08/09/25 22:54	1
_							

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Dil Fac Prepared Analyzed <14.5 U 50.0 14.5 mg/Kg 08/06/25 07:57 08/09/25 22:54 Gasoline Range Organics (GRO)-C6-C10 **Diesel Range Organics (Over** 50.0 08/06/25 07:57 08/09/25 22:54 15.9 J 15.1 mg/Kg

C10-C28) Oil Range Organics (Over 40.6 JB 50.0 15.1 mg/Kg 08/06/25 07:57 08/09/25 22:54 C28-C36)

Qualifier Limits Prepared Dil Fac Surrogate %Recovery Analyzed 70 - 130 1-Chlorooctane 08/06/25 07:57 08/09/25 22:54 101 o-Terphenyl 116 70 - 130 08/06/25 07:57 08/09/25 22:54

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Analyte MDL Unit D Prepared Analyzed Dil Fac 7.10 J Chloride 10.0 0.396 mg/Kg 08/06/25 19:27

Client Sample ID: S-4 Lab Sample ID: 880-61152-4

Date Collected: 08/04/25 12:10 **Matrix: Solid**

Date Received: 08/05/25 14:45 Sample Depth: 0-1.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		08/06/25 09:19	08/07/25 01:18	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/06/25 09:19	08/07/25 01:18	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		08/06/25 09:19	08/07/25 01:18	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/06/25 09:19	08/07/25 01:18	1
o-Xylene	<0.00157	U *+	0.00199	0.00157	mg/Kg		08/06/25 09:19	08/07/25 01:18	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/06/25 09:19	08/07/25 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				08/06/25 09:19	08/07/25 01:18	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/06/25 09:19	08/07/25 01:18	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			08/07/25 01:18	1

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.7	J	49.8	15.1	mg/Kg			08/09/25 23:09	1

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) (C	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		08/06/25 07:57	08/09/25 23:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/06/25 07:57	08/09/25 23:09	1

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1

SDG: Lea Co., NM

Client Sample ID: S-4

Date Collected: 08/04/25 12:10 Date Received: 08/05/25 14:45

Lab Sample ID: 880-61152-4 Matrix: Solid

Sample Depth: 0-1.5'

١	Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Oil Range Organics (Over C28-C36)	38.7	JB	49.8	15.1	mg/Kg		08/06/25 07:57	08/09/25 23:09	1
	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	1-Chlorooctane	104		70 - 130				08/06/25 07:57	08/09/25 23:09	1
	o-Terphenyl	120		70 - 130				08/06/25 07:57	08/09/25 23:09	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.33	J	9.96	0.393	mg/Kg			08/06/25 19:33	1

Client Sample ID: B-1

Lab Sample ID: 880-61152-5

Matrix: Solid

Date Collected: 08/04/25 12:15 Date Received: 08/05/25 14:45

Sample Depth: 1.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		08/06/25 09:19	08/07/25 01:38	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/06/25 09:19	08/07/25 01:38	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/06/25 09:19	08/07/25 01:38	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/06/25 09:19	08/07/25 01:38	1
o-Xylene	< 0.00157	U *+	0.00198	0.00157	mg/Kg		08/06/25 09:19	08/07/25 01:38	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		08/06/25 09:19	08/07/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				08/06/25 09:19	08/07/25 01:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/06/25 09:19	08/07/25 01:38	1
Method: TAL SOP Total BTEX -	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			08/07/25 01:38	1
Total BTEX Method: SW846 8015 NM - Dies				0.00226	mg/Kg			08/07/25 01:38	1
• •	sel Range Organ			0.00226 MDL	0 0	D	Prepared	08/07/25 01:38 Analyzed	1 Dil Fac
: Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (GC)		0 0	<u>D</u>	Prepared		
Method: SW846 8015 NM - Dies Analyte	sel Range Organ Result 57.7	ics (DRO) ((Qualifier	GC) RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH	sel Range Organ Result 57.7 esel Range Orga	ics (DRO) ((Qualifier	GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di	sel Range Organ Result 57.7 esel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.9 -	MDL 15.1	Unit mg/Kg		<u> </u>	Analyzed 08/09/25 23:24	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Organ Result 57.7 esel Range Orga Result	Qualifier nics (DRO) Qualifier Qualifier U	(GC) RL RL RL	MDL 15.1 MDL	Unit mg/Kg Unit mg/Kg		Prepared	Analyzed 08/09/25 23:24 Analyzed	Dil Fac Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GR0)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Organ Result 57.7 esel Range Orga Result <14.5 18.4	nics (DRO) (Qualifier Nics (DRO) Qualifier U	(GC) RL 49.9 (BC) RL 49.9	MDL 15.1 MDL 14.5	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/06/25 07:57	Analyzed 08/09/25 23:24 Analyzed 08/09/25 23:24	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Organ Result 57.7 esel Range Orga Result Result result result result result result	nics (DRO) (Qualifier Nics (DRO) Qualifier U	(GC) RL 49.9 (BC) RL 49.9 49.9	MDL 15.1 MDL 14.5	Unit mg/Kg Unit mg/Kg		Prepared 08/06/25 07:57 08/06/25 07:57	Analyzed 08/09/25 23:24 Analyzed 08/09/25 23:24 08/09/25 23:24	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	sel Range Organ Result 57.7 esel Range Orga Result <14.5 18.4	nics (DRO) (Qualifier nics (DRO) Qualifier U J J B	(GC) RL 49.9 (BC) RL 49.9 49.9	MDL 15.1 MDL 14.5	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/06/25 07:57 08/06/25 07:57	Analyzed 08/09/25 23:24 Analyzed 08/09/25 23:24 08/09/25 23:24	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Organ Result 57.7 esel Range Orga Result <14.5 18.4 39.3	nics (DRO) (Qualifier nics (DRO) Qualifier U J J B	GC) RL 49.9 (GC) RL 49.9 49.9	MDL 15.1 MDL 14.5	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/06/25 07:57 08/06/25 07:57	Analyzed 08/09/25 23:24 Analyzed 08/09/25 23:24 08/09/25 23:24 08/09/25 23:24	Dil Fac Dil Fac 1

Client: Crain Environmental Job ID: 880-61152-1
Project/Site: Bagley SWD #4 Area 2 SDG: Lea Co., NM

Client Sample ID: B-1 Lab Sample ID: 880-61152-5

Date Collected: 08/04/25 12:15

Date Received: 08/05/25 14:45

Matrix: Solid

Sample Depth: 1.5'

	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Į	Chloride	4.11	J	10.1	0.399	mg/Kg			08/06/25 19:50	1	

-

6

0

10

11

13

14

Surrogate Summary

Client: Crain Environmental Job ID: 880-61152-1 Project/Site: Bagley SWD #4 Area 2 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-61152-1	S-1	121	105	
880-61152-1 MS	S-1	116	99	
880-61152-1 MSD	S-1	114	99	
380-61152-2	S-2	133 S1+	114	
380-61152-3	S-3	140 S1+	111	
380-61152-4	S-4	134 S1+	107	
880-61152-5	B-1	128	102	
LCS 880-115945/1-A	Lab Control Sample	116	103	
LCSD 880-115945/2-A	Lab Control Sample Dup	121	98	
MB 880-115882/5-A	Method Blank	167 S1+	92	
MB 880-115945/5-A	Method Blank	196 S1+	99	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-61152-1	S-1	99	114	
880-61152-1 MS	S-1	107	110	
880-61152-1 MSD	S-1	108	111	
880-61152-2	S-2	99	114	
880-61152-3	S-3	101	116	
880-61152-4	S-4	104	120	
880-61152-5	B-1	107	117	
LCS 880-115922/2-A	Lab Control Sample	121	129	
LCSD 880-115922/3-A	Lab Control Sample Dup	126	131 S1+	
MB 880-115922/1-A	Method Blank	100	119	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Crain Environmental Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115882/5-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115882

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/05/25 13:07	08/06/25 12:10	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	08/05/25 13:07	08/06/25 12:10	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/05/25 13:07	08/06/25 12:10	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115945

Analysis Batch: 115929

Lab Sample ID: MB 880-115945/5-A

мв мв

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00139	U	0.00200	0.00139	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
<0.00200	U	0.00200	0.00200	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
<0.00109	U	0.00200	0.00109	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
<0.00229	U	0.00400	0.00229	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
<0.00158	U	0.00200	0.00158	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
<0.00229	U	0.00400	0.00229	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
	<0.00139 <0.00200 <0.00109 <0.00229 <0.00158	Result Qualifier	<0.00139 U 0.00200 <0.00200 U 0.00200 <0.00109 U 0.00200 <0.00229 U 0.00400 <0.00158 U 0.00200	<0.00139	<0.00139 U	<0.00139	<0.00139	<0.00139

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130	08/06/25 09:19	08/06/25 23:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/06/25 09:19	08/06/25 23:48	1

Lab Sample ID: LCS 880-115945/1-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115945

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1030		mg/Kg		103	70 - 130	
Toluene	0.100	0.09641		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09514		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	0.200	0.2389		mg/Kg		119	70 - 130	
o-Xylene	0.100	0.1315	*+	mg/Kg		131	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 _ 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: LCSD 880-115945/2-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115945

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1033		mg/Kg		103	70 - 130	0	35

QC Sample Results

Client: Crain Environmental Job ID: 880-61152-1 Project/Site: Bagley SWD #4 Area 2 SDG: Lea Co., NM

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

Lab Sample ID: LCSD 880-115945/2-A

Matrix: Solid Analysis Batch: 115929 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA **Prep Batch: 115945**

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Toluene 0.100 0.09374 94 70 - 130 35 mg/Kg 3 Ethylbenzene 0.100 0.1022 mg/Kg 102 70 - 130 35 0.200 0.2474 m-Xylene & p-Xylene mg/Kg 124 70 - 130 35 3 o-Xylene 0.100 0.1365 *+ mg/Kg 136 70 - 130

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	121		70 - 130	
1,4-Difluorobenzene (Surr)	98		70 - 130	

Lab Sample ID: 880-61152-1 MS

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: S-1 Prep Type: Total/NA

Prep Batch: 115945

MS MS Sample Sample Spike %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00139 0.100 0.09860 70 - 130 mg/Kg 99 Toluene <0.00200 U 0.100 0.09817 98 70 - 130 mg/Kg Ethylbenzene <0.00109 U 0.100 0.09203 92 70 - 130 mg/Kg 0.200 m-Xylene & p-Xylene <0.00228 U 0.2269 70 - 130 mg/Kg 113 o-Xylene <0.00158 U*+ 0.100 0.1247 mg/Kg 125 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 880-61152-1 MSD

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: S-1

Prep Type: Total/NA **Prep Batch: 115945**

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00139	U	0.100	0.09705		mg/Kg		97	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.09045		mg/Kg		90	70 - 130	8	35
Ethylbenzene	<0.00109	U	0.100	0.07749		mg/Kg		77	70 - 130	17	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1888		mg/Kg		94	70 - 130	18	35
o-Xylene	<0.00158	U *+	0.100	0.1199		mg/Kg		120	70 - 130	4	35

MSD MSD

мв мв Result Qualifier

<14.5 U

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-115922/1-A

Matrix: Solid

Analysis Batch: 116303

Gasoline Range Organics

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

Prepared

08/06/25 07:57

Prep Batch: 115922

Analyzed 08/09/25 08:13

(GRO)-C6-C10

Eurofins Midland

RL

50.0

MDL Unit

mg/Kg

14.5

Client: Crain Environmental Project/Site: Bagley SWD #4 Area 2 Job ID: 880-61152-1

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-115922/1-A

Matrix: Solid

Analysis Batch: 116303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115922

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<15.1	U	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 08:13	1
C10-C28)									
Oil Range Organics (Over C28-C36)	23.71	J	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 08:13	1
	MD	МВ							

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepa	red	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	08/06/25	07:57	08/09/25 08:13	1
o-Terphenyl	119		70 - 130	08/06/25	07:57	08/09/25 08:13	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-115922/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 116303 **Prep Batch: 115922**

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1042 104 70 - 130 mg/Kg (GRO)-C6-C10 1000 986.2 Diesel Range Organics (Over mg/Kg 99 70 - 130

C10-C28)

LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 121 o-Terphenyl 129 70 - 130

Lab Sample ID: LCSD 880-115922/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 116303

Prep Type: Total/NA

Prep Batch: 115922

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1064		mg/Kg		106	70 - 130	2	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1020		mg/Kg		102	70 - 130	3	20	
C10-C28)										

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 126 70 - 130 o-Terphenyl 131 S1+ 70 - 130

Lab Sample ID: 880-61152-1 MS

Matrix: Solid

Analysis Batch: 116303

Client Sample ID: S-1 Prep Type: Total/NA

Prep Batch: 115922

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	837.7		mg/Kg		84	70 - 130
Diesel Range Organics (Over	<15.1	U	998	892.4		mg/Kg		89	70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	110		70 - 130

Client: Crain Environmental Job ID: 880-61152-1 Project/Site: Bagley SWD #4 Area 2 SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-61152-1 MSD Client Sample ID: S-1 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 116303 **Prep Batch: 115922** Sample Sample MSD MSD RPD Spike Result Qualifier Analyte Added Result Qualifier %Rec Limits RPD Limit Unit Gasoline Range Organics <14.5 U 998 868.9 mg/Kg 87 70 - 130 4 20 (GRO)-C6-C10 998 918.7 70 - 130Diesel Range Organics (Over <15.1 U mg/Kg 92 3 20

C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 108 o-Terphenyl 111 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115934/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 115981

MB MB

MDL Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac Chloride <0.395 U 10.0 0.395 mg/Kg 08/06/25 17:56

Lab Sample ID: LCS 880-115934/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 115981

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 228.5 90 - 110 mg/Kg 91

Lab Sample ID: LCSD 880-115934/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 115981

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec RPD D Limits Limit Chloride 250 228.9 92 90 - 110 mg/Kg 0

Lab Sample ID: 880-61152-4 MS

Matrix: Solid

Analysis Batch: 115981

Sample Sample Spike MS MS %Rec Result Qualifier Added Qualifier Analyte Result Unit %Rec Limits Chloride 6.33 J 249 92 90 - 110 235.2 mg/Kg

Lab Sample ID: 880-61152-4 MSD

Matrix: Solid

Analysis Batch: 115981

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Analyte Result Qualifier %Rec Limits RPD Limit Unit 249 235.7 92 Chloride 6.33 90 - 110 20 J. mg/Kg 0

Eurofins Midland

Client Sample ID: S-4

Client Sample ID: S-4

Prep Type: Soluble

Prep Type: Soluble

QC Association Summary

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1 SDG: Lea Co., NM

GC VOA

Prep Batch: 115882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-115882/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Total/NA	Solid	8021B	115945
880-61152-2	S-2	Total/NA	Solid	8021B	115945
880-61152-3	S-3	Total/NA	Solid	8021B	115945
880-61152-4	S-4	Total/NA	Solid	8021B	115945
880-61152-5	B-1	Total/NA	Solid	8021B	115945
MB 880-115882/5-A	Method Blank	Total/NA	Solid	8021B	115882
MB 880-115945/5-A	Method Blank	Total/NA	Solid	8021B	115945
LCS 880-115945/1-A	Lab Control Sample	Total/NA	Solid	8021B	115945
LCSD 880-115945/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115945
880-61152-1 MS	S-1	Total/NA	Solid	8021B	115945
880-61152-1 MSD	S-1	Total/NA	Solid	8021B	115945

Prep Batch: 115945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Total/NA	Solid	5035	<u> </u>
880-61152-2	S-2	Total/NA	Solid	5035	
880-61152-3	S-3	Total/NA	Solid	5035	
880-61152-4	S-4	Total/NA	Solid	5035	
880-61152-5	B-1	Total/NA	Solid	5035	
MB 880-115945/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115945/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115945/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61152-1 MS	S-1	Total/NA	Solid	5035	
880-61152-1 MSD	S-1	Total/NA	Solid	5035	

Analysis Batch: 116139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Total/NA	Solid	Total BTEX	
880-61152-2	S-2	Total/NA	Solid	Total BTEX	
880-61152-3	S-3	Total/NA	Solid	Total BTEX	
880-61152-4	S-4	Total/NA	Solid	Total BTEX	
880-61152-5	B-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Total/NA	Solid	8015NM Prep	
880-61152-2	S-2	Total/NA	Solid	8015NM Prep	
880-61152-3	S-3	Total/NA	Solid	8015NM Prep	
880-61152-4	S-4	Total/NA	Solid	8015NM Prep	
880-61152-5	B-1	Total/NA	Solid	8015NM Prep	
MB 880-115922/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115922/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115922/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61152-1 MS	S-1	Total/NA	Solid	8015NM Prep	
880-61152-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

Eurofins Midland

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QC Association Summary

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1 SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 116303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Total/NA	Solid	8015B NM	115922
880-61152-2	S-2	Total/NA	Solid	8015B NM	115922
880-61152-3	S-3	Total/NA	Solid	8015B NM	115922
880-61152-4	S-4	Total/NA	Solid	8015B NM	115922
880-61152-5	B-1	Total/NA	Solid	8015B NM	115922
MB 880-115922/1-A	Method Blank	Total/NA	Solid	8015B NM	115922
LCS 880-115922/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115922
LCSD 880-115922/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115922
880-61152-1 MS	S-1	Total/NA	Solid	8015B NM	115922
880-61152-1 MSD	S-1	Total/NA	Solid	8015B NM	115922

Analysis Batch: 116384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Total/NA	Solid	8015 NM	
880-61152-2	S-2	Total/NA	Solid	8015 NM	
880-61152-3	S-3	Total/NA	Solid	8015 NM	
880-61152-4	S-4	Total/NA	Solid	8015 NM	
880-61152-5	B-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Soluble	Solid	DI Leach	
880-61152-2	S-2	Soluble	Solid	DI Leach	
880-61152-3	S-3	Soluble	Solid	DI Leach	
880-61152-4	S-4	Soluble	Solid	DI Leach	
880-61152-5	B-1	Soluble	Solid	DI Leach	
MB 880-115934/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115934/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115934/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61152-4 MS	S-4	Soluble	Solid	DI Leach	
880-61152-4 MSD	S-4	Soluble	Solid	DI Leach	

Analysis Batch: 115981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61152-1	S-1	Soluble	Solid	300.0	115934
880-61152-2	S-2	Soluble	Solid	300.0	115934
880-61152-3	S-3	Soluble	Solid	300.0	115934
880-61152-4	S-4	Soluble	Solid	300.0	115934
880-61152-5	B-1	Soluble	Solid	300.0	115934
MB 880-115934/1-A	Method Blank	Soluble	Solid	300.0	115934
LCS 880-115934/2-A	Lab Control Sample	Soluble	Solid	300.0	115934
LCSD 880-115934/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115934
880-61152-4 MS	S-4	Soluble	Solid	300.0	115934
880-61152-4 MSD	S-4	Soluble	Solid	300.0	115934

Job ID: 880-61152-1 SDG: Lea Co., NM

Client Sample ID: S-1

Client: Crain Environmental

Date Collected: 08/04/25 11:55 Date Received: 08/05/25 14:45

Project/Site: Bagley SWD #4 Area 2

Lab Sample ID: 880-61152-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116139	08/07/25 00:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			116384	08/09/25 21:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/09/25 21:56	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 19:16	CS	EET MID

Lab Sample ID: 880-61152-2 Client Sample ID: S-2

Date Collected: 08/04/25 12:00 Date Received: 08/05/25 14:45 **Matrix: Solid**

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.98 g 5 mL 115945 08/06/25 09:19 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 115929 08/07/25 00:37 MNR Total/NA Total BTEX 116139 08/07/25 00:37 SA Analysis **EET MID** 1 Total/NA Analysis 8015 NM 116384 08/09/25 22:40 SA **EET MID** Total/NA 115922 EL Prep 8015NM Prep 10.01 g 10 mL 08/06/25 07:57 EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 116303 08/09/25 22:40 TKC **EET MID** Soluble Leach DI Leach 4.95 g 50 mL 115934 08/06/25 08:38 SI **EET MID** Soluble Analysis 300.0 115981 08/06/25 19:21 CS **EET MID**

Client Sample ID: S-3 Lab Sample ID: 880-61152-3 Date Collected: 08/04/25 12:05

Date Received: 08/05/25 14:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116139	08/07/25 00:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			116384	08/09/25 22:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/09/25 22:54	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 19:27	CS	EET MID

Client Sample ID: S-4 Lab Sample ID: 880-61152-4

Date Collected: 08/04/25 12:10 Date Received: 08/05/25 14:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116139	08/07/25 01:18	SA	EET MID

Eurofins Midland

Matrix: Solid

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Lab Chronicle

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1 SDG: Lea Co., NM

Lab Sample ID: 880-61152-4

Matrix: Solid

Client Sample ID: S-4 Date Collected: 08/04/25 12:10 Date Received: 08/05/25 14:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116384	08/09/25 23:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/09/25 23:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 19:33	CS	EET MID

Client Sample ID: B-1 Lab Sample ID: 880-61152-5

Date Collected: 08/04/25 12:15 Matrix: Solid

Date Received: 08/05/25 14:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116139	08/07/25 01:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			116384	08/09/25 23:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/09/25 23:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 19:50	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1 SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	m	Identification Number	Expiration Date
Texas	NELAP		T104704400	06-30-26
,	are included in this report, but loes not offer certification.	the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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Method Summary

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1

SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bagley SWD #4 Area 2

Job ID: 880-61152-1

SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-61152-1	S-1	Solid	08/04/25 11:55	08/05/25 14:45	0-1.5'
880-61152-2	S-2	Solid	08/04/25 12:00	08/05/25 14:45	0-1.5'
880-61152-3	S-3	Solid	08/04/25 12:05	08/05/25 14:45	0-1.5'
880-61152-4	S-4	Solid	08/04/25 12:10	08/05/25 14:45	0-1.5'
880-61152-5	B-1	Solid	08/04/25 12:15	08/05/25 14:45	1.5'

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levised Date: 08/25/2020 Rev. 2020.2

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25/25

Level IV Superfund DI Water: H₂O MeOH: Me HNO 3: HN NaOH: Na NaOH+Ascorbic Acid: SAPC Preservative Codes Sample Comments Date/Time Zn Acetate+NaOH: Zn Reporting: Level II Level III PST/UST TRRP RRC Na25203: NaSO 3 Other: Se Ag SiO₂ Na Sr Tl Sn U V Zn NaHSO 4: NABIS Hg: 1631 / 245.1 / 7470 / 7471 None: NO H₃PO₄: HP Brownfields H2504: H2 Cool: Cool Work Order Comments HCL: HC ADaPT 880-61152 Chain of Custody Received by: (Signature) Program: UST/PST PRP State of Project: NM EDD of Europha Kenco. A minimum change of \$85.00 will be applied to each project and a change of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Deliverables: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U vicice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control **ANALYSIS REQUEST** Relinquished by: (Signature) 11757 Katy Frwy, 5te 475 77079 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Nicole Cornwell Cindy crain @ Amail. com Housten BTEX BXP Date/Time WS108 HOLL Pres. Code # of Cont Parameters Bill to: (if different) Comp Company Name: Grab/ O. City, State ZIP: TAT starts the day received by the lab, if received by 4:30pm 8-1-0 Address: Rush ·0. Depth (A) Turn Around Received by: (Signature) Email: 1155 1200 1210 KRoutine 205 Due Date: Corrected Temperature: Wet Ice: Sampled Time Temperature Reading: **Environment Testing** Correction Factor: Thermometer ID: 19761 nviconmenta 8/4/25 Yes (No Sampled 2925 E. 17th St. Date 575) 441-7244 Proby SND*4. Area Circle Method(s) and Metal(s) to be analyzed rain Matrix S Xenco ades = 78 N/A Temp Blank: Yes No Yes No Yes No inah Relingoished by: (Signature) : eurofins Sample Identification samples Received Intact: Total 200.7 / 6010 Sample Custody Seals: Cooler Custody Seals: SAMPLE RECEIPT **Fotal Containers:** roject Number: sampler's Name: Project Manager: Company Name: roject Location: 5.3 5.4 8-1 City, State ZIP: Project Name: 5-1 Address: PO #:

Chain of Custody

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-61152-1

SDG Number: Lea Co., NM

List Source: Eurofins Midland

Login Number: 61152 List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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").	N/A	

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Appendix F - Photographic Documentation

Photographic Log BXP Operating, LLC Bagley SWD #4 - Area 2 August 4, 2025



View to NE of Area 2 excavation.



View to SW of Area 2 excavation.



View to SE of Area 2 excavation.



View to NW of Area 2 excavation.



Appendix G – Waste Manifests



Ticket Number

MLinc.	NEW MEXICO NO	N-HAZARDOUS OILFI	ELD WASTE MANIFEST	/DISPO	SAL 1	ICKET	114565 08/07/25 11:33 AM
Generator: BXP O Generator Contact 11757 KATY FREI HOUSTON, TX 77 Phone No.:	:: EWAY	Lease: BAGLEY		Company of the Compan			
	•	DISPO	SAL FACILITY	81	j		
Site Name/Permit I P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0438 Fax (575)347-0438	434	iii (NM-01-0019)	NORM Readings T Reading > 50 micro Pass the Paint Filte Box Number:	o roentg	ens:	No	
•		WAS	TE MATERIAL	## ·		1.41	v 2 3
Material		Quantity	+ 1	Ce	#		X V
OCD EXEMPT SO	ils	20.00 YDS		LF			
		TRA	NSPORTER	8.			
Name: MCVAY SE Address: Phone No.:		ne/wara niakad un at the	Driver Name: Truck Number: 209 Phone No.:	*	4 446	الدر المصمع	hout incident to the disposal facility
listed above.		al)	(<u> </u>				***************************************
		Drive	er Signature	\$1		٠	#
I hereby certify that according determination, the above des		ervation and Recovery	C-138 Act (RCRA) and the Envi	ronmen	tal Pr	otection /	Agency's July 1988 regulatory
☑RCRA Exempt:			exploration and production a per month only basis.		tions	and are r	not mixed with non-exempt waste.
☐RCRA NON-EXEMPT:	established in RCRA	A regulations, 40 CFR 2		azardou:	s was	te as def	iste hazardous by characteristics ined by 40 CFR, part 261, subpart I ttached:
MSDS Information		•	RCRA Hazardou	13		1.	
		Other (Provid	de Description Below)	80 (6 *			
☐Emergency Nor	-Oilfield: (The ord	ncy non-hazardous, nor ler, documentation of no any this form.)	n-oilfied waste that has be on-hazardous waste deter	en orde	red b n, and	y the Dep	partment of Public Safety. iption of the waste must
			. : : : :				1
	Name			S	igna	ture	• .
	KIMBERLY MU	RPHY		Zba	19	Ywyr <i>h</i>	

Signature

Name



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number 114570 08/07/25 12:46 PI

		J. T. B. C. B. C. C. C. F. L.	LD WASTE MARKED	72101 00	,,,,,	IOILLI		1725 12.40 PW	
Generator: BXP O Generator Contact 11757 KATY FREI HOUSTON, TX 77 Phone No.:	t: EWAY	Lease: BAGLEY S							
		DISPO	SAL FACILITY	41 :					
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-0438	434	.fill (NM-01-0019)	NORM Readings Reading > 50 mice Pass the Paint Fill Box Number:	ro roentge	ns: N	No	**************************************		
		WAST	E MATERIAL	21		1	¥ 1		
Material		Quantity	;	Cel	I				
OCD EXEMPT SO	ils	20.00 YDS		LF					
		TRA	NSPORTER		γ				
Name: MCVAY SE Address: Phone No.: I Hearby certify that the abov			Driver Name; Truck Number: 20 Phone No.:	50 d	deliv	ered with	out inciden	t to the disposal :	facilih
listed above.			A				: - -		
		Drive	r Signature			1.	; ;		
I hereby certify that according determination, the above des	g to the Resource Cons cribed waste load is:	servation and Recovery A	C-138 Act (RCRA) and the Env	ironmenta	ıl Pro	tection A	jency's Jul	/ 1988 regulatory	,
RCRA Exempt:	Oil field wastes gen (Gandy Marley, Inc.	erated from oil and gas e accepts certifications on	xploration and production a per month only basis	on operati	ons a	and are no	t mixed wi	th non-exempt wa	ıste.
□RCRA NON-EXEMPT:	established in RCR	h is non-hazardous that d A regulations, 40 CFR 26 ollowing documentation d	1.21-261-24, or listed h	azardous	wast	e as defin	ed by 40 C	us by characteris FR, part 261, sut	tics opart
MSDS Information			RCRA Hazardo	us Waste	Anal	vsis	2 2 5.		
		Other (Provide	e Description Below)			,	9 7		
☐Emergency Non	i-Oilfield: (The ord	ency non-hazardous, non- der, documentation of not pany this form.)	oilfied waste that has be- n-hazardous waste dete	een order	ed by , and	the Depa a descrip	ertment of F tion of the	Public Safety. waste must	_
	:			\$70000 BV& &S	e initial college of general representations as easy.		A must be the control of		
	Name	nttenderte in management of the second of th	•	Siç	gnat	ure	<u>.</u> V		

KIMBERLY MURPHY

Name

Signature

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

QUESTIONS

Action 507383

QUESTIONS

Operator:	OGRID:
BXP Operating, LLC	329487
11757 KATY FREEWAY	Action Number:
HOUSTON, TX 77079	507383
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2509977675	
Incident Name	NAPP2509977675 BAGLEY SWD #004 @ 30-025-01015	
Incident Type	Produced Water Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-025-01015] BAGLEY SWD #004	

Location of Release Source		
Please answer all the questions in this group.		
Site Name	BAGLEY SWD #004	
Date Release Discovered	11/20/2024	
Surface Owner	State	

ncident Details		
Please answer all the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Native and Valuma of Dalaga				
Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.				
Crude Oil Released (bbls) Details	Not answered.			
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.			
Is the concentration of chloride in the produced water >10,000 mg/l	No			
Condensate Released (bbls) Details	Not answered.			
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Not answered.			
Other Released Details	Not answered.			
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Upon request from the State Land Office (SLO) Environmental Compliance Office (ECO), a soil investigation was conducted in this barren area. Lab results received on 11/20/24 indicated that a historical release had occurred in this area. A Site Characterization Report and Remediation Workplan will be submitted that includes all historical releases on the Bagley SWD #004 State lease.			

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Action 507383

QUESTI	IONS (continued)
Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487 Action Number: 507383 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bguerrero@bxpltd.com Date: 09/18/2025

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Action 507383

QUESTIONS (continued)

ı	Operator:	OGRID:
BXP Operating, LLC		329487
ı	11757 KATY FREEWAY	Action Number:
ı	HOUSTON, TX 77079	507383
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization				
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)			
What method was used to determine the depth to ground water	Direct Measurement			
Did this release impact groundwater or surface water	No			
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:			
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)			
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)			
Any other fresh water well or spring	Greater than 5 (mi.)			
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)			
A wetland	Between ½ and 1 (mi.)			
A subsurface mine	Greater than 5 (mi.)			
An (non-karst) unstable area	Greater than 5 (mi.)			
Categorize the risk of this well / site being in a karst geology	Low			
A 100-year floodplain	Between ½ and 1 (mi.)			
Did the release impact areas not on an exploration, development, production, or storage site	No			

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in mi	illigrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	888
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	62.8
GRO+DRO (EPA SW-846 Method 8015M)	62.8
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	07/28/2025
On what date will (or did) the final sampling or liner inspection occur	08/04/2025
On what date will (or was) the remediation complete(d)	08/11/2025
What is the estimated surface area (in square feet) that will be reclaimed	750
What is the estimated volume (in cubic yards) that will be reclaimed	110
What is the estimated surface area (in square feet) that will be remediated	750
What is the estimated volume (in cubic yards) that will be remediated	110
These estimated dates and measurements are recognized to be the best guess or calculation at the	e time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 507383

QUESTIONS (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAB000000061 TNM-55-95
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
0.14 - 41 - 41 - 41 - 41 - 41 - 41 - 41 -	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: Regulatory manager
Email: bguerrero@bxpltd.com
Date: 09/18/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

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Action 507383

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	490876
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/04/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	169

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	169	
What was the total volume (cubic yards) remediated	40	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	169	
What was the total volume (in cubic yards) reclaimed	40	
Summarize any additional remediation activities not included by answers (above)	Upon OCD and ECO approval of Closure, the excavation will be backfilled to grade with similar material obtained from a landowner pit. A five-point composite sample will be collected from the backfill material, and will be analyzed for TPH, BTEX, and chlorides. The remediated surface area will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.	

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement

Name: Bianca Guerrero
Title: Regulatory manager
Email: bguerrero@bxpltd.com
Date: 09/18/2025

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 507383

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CONDITIONS

Created B		Condition Date
scwells	None	10/2/2025