

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|-------------------------|------------------------------|
| Responsible Party | OGRID |
| Contact Name | Contact Telephone |
| Contact email | Incident # (assigned by OCD) |
| Contact mailing address | |

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|-------------------------|----------------------|
| Site Name | Site Type |
| Date Release Discovered | API# (if applicable) |

| | | | | |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
| | | | | |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

Oil Conservation Division

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| | |
|--|------------------|
| <input type="checkbox"/> The source of the release has been stopped. | |
| <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. | |
| <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. | |
| <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| 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. | |
| Printed Name _____ | Title: _____ |
| Signature: <u>Patricia Espinoza</u> | Date: _____ |
| email: _____ | Telephone: _____ |
| <u>OCD Only</u> | |
| Received by: _____ | Date: _____ |

Received by OCD: 9/26/2024 10:19:55 AM

Facility Name & Well Number(s):

Windward 5H Flowline

Release Discovery Date & Time:

7/2/23 7:30 PM

Page 3 of 55

Provide any known details about the event:

Hole in Flowline

Primary Cause (dropdown):

Internal Corrosion - Other

Secondary Cause (dropdown):

External Corrosion - Other

Was the Release to Soil / Caliche (dropdown):

Release On/Off Pad (dropdown):

Recovered Volume (bbl.) (if available, not included in volume calculations)

Release Type (dropdown):

Method of Determination (dropdown):

BU:

Permian

Asset Area:

DBE - Asset Avg.

Yes

Off-Pad

0 BBS

Oil Mixture

Field Measurement

Known Volume (dropdown):

No

Known Area (dropdown):

Yes

Mapped Area (sq. ft.)

Average Depth (in.)

Percentage of Oil if Spilled Fluid is a Mixture (%)

Total Estimated Volume of Spill (bbl.)

Total Estimated Volume of Spilled Oil (bbl.)

Total Estimated Volume of Spilled Liquid other than Oil (bbl.)

Released to Imaging: 10/2/2024 11:41:02 AM

24

0.5

25%

0.1784

0.0446

0.1338



August 21, 2024

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Reclamation Closure Report
ConocoPhillips
Windward Federal #005H FL Release
Unit Letter D, Section 30, Township 24 South, Range 32 East
DOR: 7/01/2023
Lea County, New Mexico
Incident ID: NAPP2319143291**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a release that occurred at a flowline associated with the Windward Federal #005H well (API# 30-025-43174). The release footprint is located within Public Land Survey System (PLSS) Unit Letter D, Section 30, Township 24 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.194722°, -103.719722°, as shown on Figures 1 and 2.

BACKGROUND

According to the C-141 Initial Report, the release occurred on July 1, 2023, and was caused by a hole in a flowline due to corrosion. Approximately 0.0446 bbls of oil and 0.1338 bbls of produced water were reported released into a pasture area adjacent to a lease road, and no fluid was recovered. The provided spill calculator indicates a release area of approximately 24 square feet. This release extent was identified based on information provided by ConocoPhillips representatives and a review of photographs taken at the release area. The approximate release extent is shown in Figure 3. The New Mexico Oil Conservation Division (NMOCD) approved the initial C-141 on July 10, 2023, and assigned the release the Incident ID NAPP2319143291.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the site is located on land owned by the Bureau of Land Management (BLM). Tetra Tech requested BLM clearance to remediate via email on August 30, 2023. The BLM cleared the Site for remediation activities via email, following a desktop review conducted by Shelly Taylor of the BLM. The regulatory correspondence is included in Appendix A.

REMEDIATION CLOSURE REPORT

In accordance with 19.15.29.8. B. (4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release," ConocoPhillips elected to begin remediation of the impacted area within 90 days of discovery. Notification of the final confirmation sampling is included in Appendix A.

A Release Characterization and Remediation Closure Report (Remediation Closure Report) dated September 25, 2023 was prepared by Tetra Tech on behalf of ConocoPhillips following completion of the

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559

Fax 432.682.3946

www.tetrattech.com

remedial activities. The Remediation Closure Report provided the Site Characterization in accordance with 19.15.29.11 NMAC and described the remedial activities performed at the Site in accordance with 19.15.29.12 NMAC. Based on the collected analytical results, Tetra Tech excavated the release extent to a total depth of 2 feet bgs to remove impacted soils. Approximately five (5) cubic yards of material were removed during the remedial activities.

The Remediation Closure Report was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to the NMOCD on October 3, 2023. The remediation Closure Report was approved by the NMOCD on January 16, 2024. The Closure Report provided details regarding the reclamation; however, the incident status is listed as *Remediation Closure Report Approved, Pending submission of Reclamation Report from the operator*.

RECLAMATION ACTIVITIES

In accordance with 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the reclamation requirements and established Site RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below the reclamation limits for chloride, TPH, and BTEX. Excavated areas, depths and confirmation sample locations are indicated in Figure 4. The results of the July and August 2023 confirmation sampling events are summarized in Table 1.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area contained a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. One (1) representative 5-point composite sample was later collected from the backfill material used for the reclamation of the project site. Soil backfill composite sampling results are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix B.

The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The backfilled areas in the pasture were seeded following backfilling, to aid in revegetation. Based on the soils of the site, the BLM Seed Mix #2 was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre.

Site inspections will be performed annually to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. Reclamation activities have been implemented in consultation with the BLM. Photographic documentation of the Site remediation and reclamation activities are presented in Appendix C.

Reclamation Closure Report
August 21, 2024

ConocoPhillips

CONCLUSION

Based on the results of the confirmation sampling and subsequent reclamation activities, ConocoPhillips respectfully requests approval of the reclamation associated with this incident. A final re-vegetation report will be submitted when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds. If you have any questions concerning the reclamation activities performed at the Site, please call me at (512) 739-7874.

Sincerely,

Tetra Tech, Inc.



Samantha Abbott, P.G.
Project Manager



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Jacob Laird, GPBU – ConocoPhillips

Reclamation Closure Report
August 21, 2024

ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Initial Response
- Figure 4 – Remediation Extent and Confirmation Sampling Locations

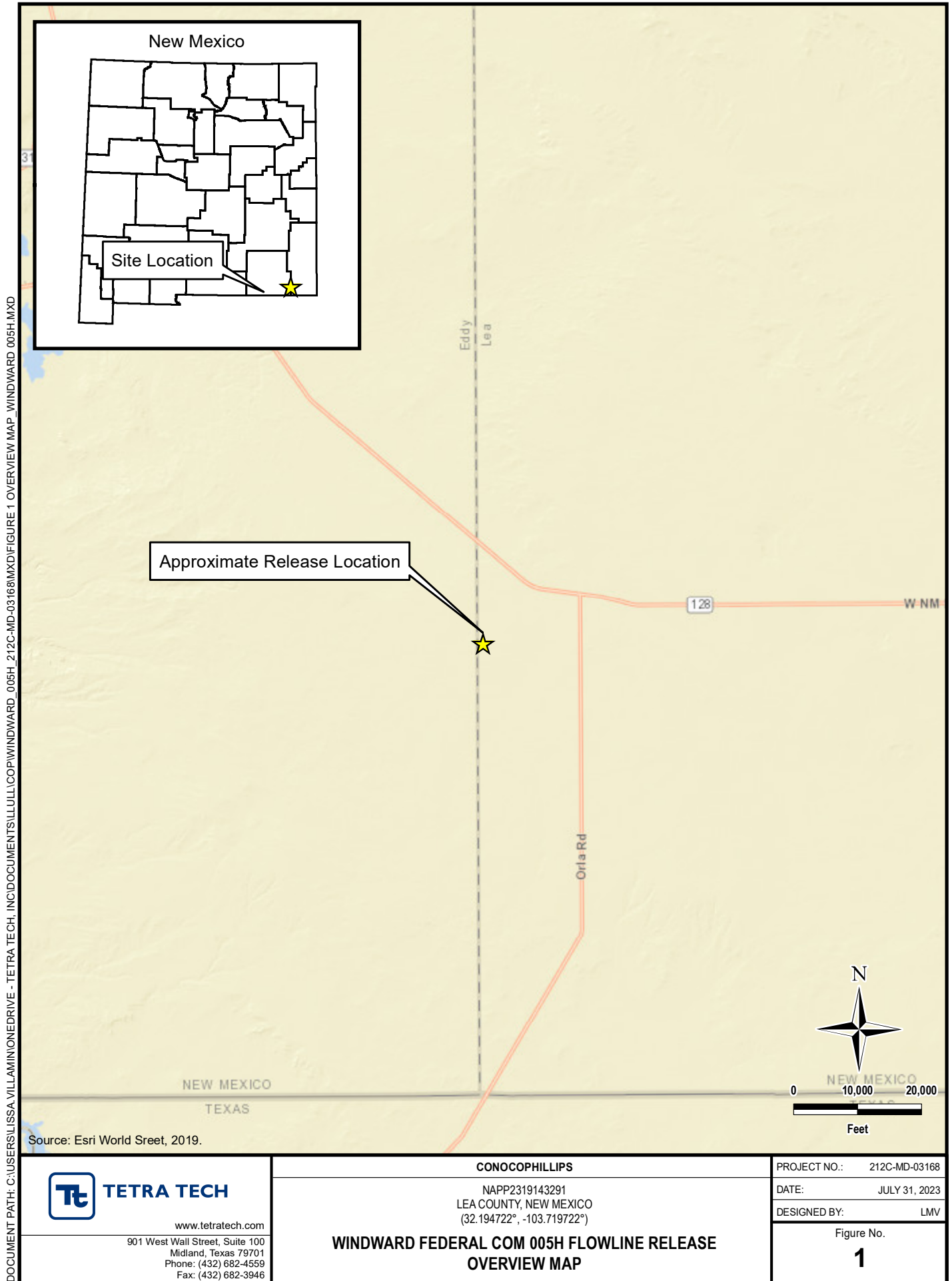
Tables:

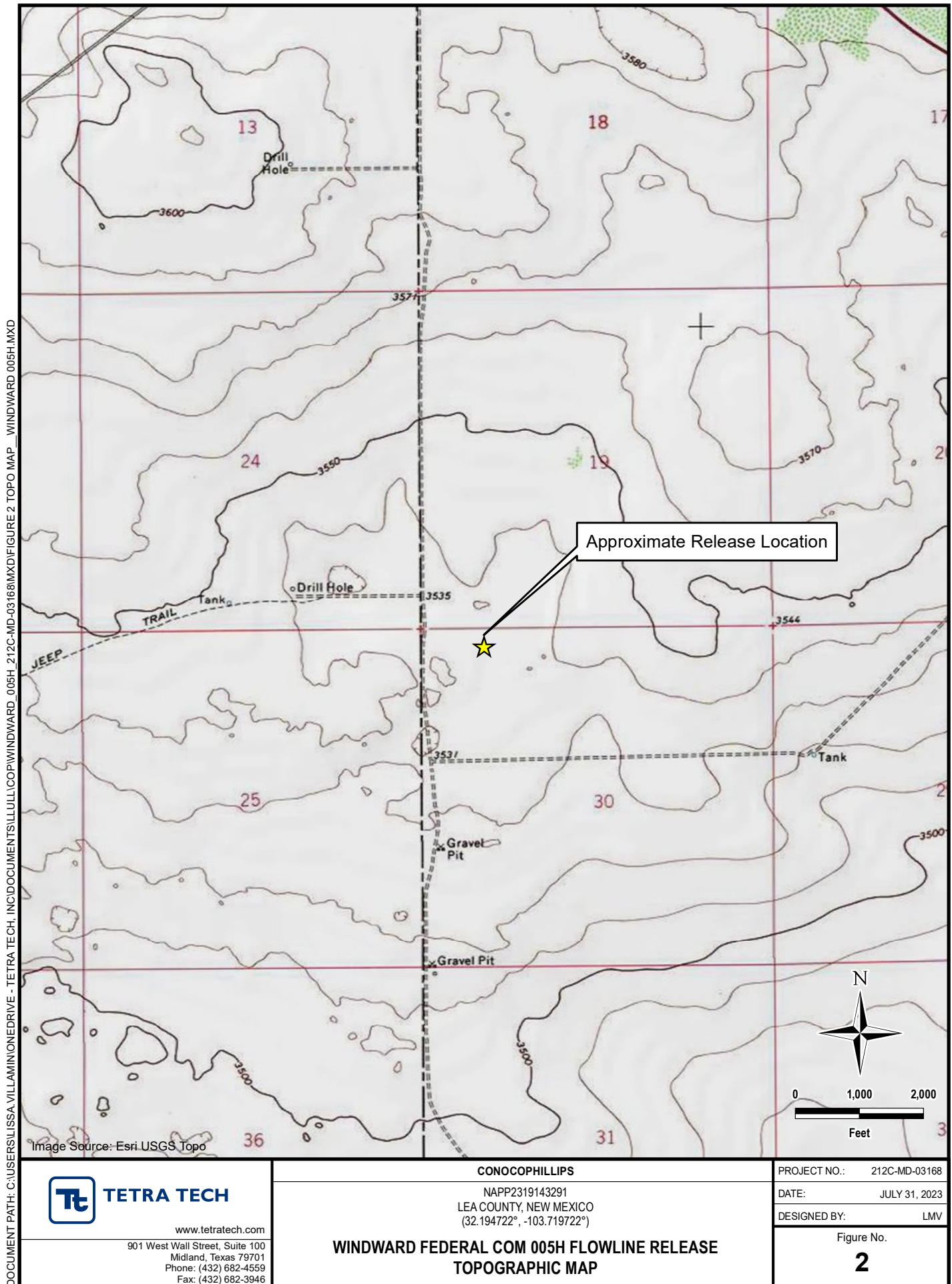
- Table 1 – Summary of Analytical Results – 2023 Soil Remediation
- Table 2 – Summary of Analytical Results – Soil Backfill

Appendices:

- Appendix A – Regulatory Correspondence
- Appendix B – Laboratory Analytical Data
- Appendix C – Photographic Documentation

FIGURES









DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLULLI\COPI\WINDWARD_005H_212C-MD-03168MXD\FIGURE 3 APPROX RELEASE & RESPONSE_ WINDWARD 005H.MXD



Legend

-  Inferred Release Extent
-  Approximate Scrape Area ~ 6"-1' BGS
-  Surface Steel Line
-  Surface Polyline

BGS: Below Ground Surface
Source: Google Earth.



TETRA TECH

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901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NAPP2319143291
LEA COUNTY, NEW MEXICO
(32.194722°, -103.719722°)

**WINDWARD FEDERAL COM 005H FLOWLINE RELEASE
APPROXIMATE RELEASE EXTENT AND INITIAL RESPONSE**

PROJECT NO.: 212C-MD-03168

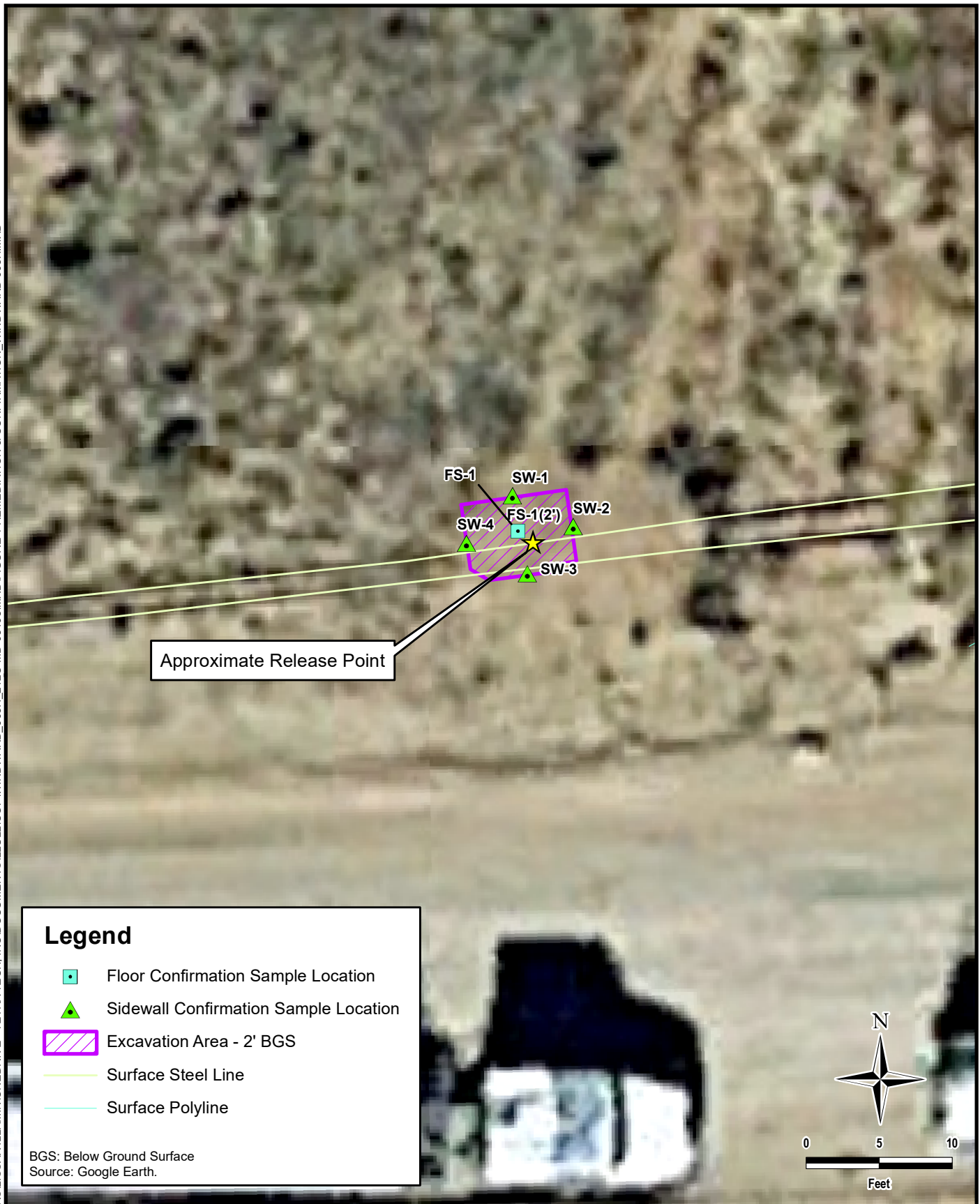
DATE: SEPTEMBER 21, 2023

DESIGNED BY: LMV

Figure No.

3

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLULL\COPIWINDWARD_005H_212C-MD-03168MMXD\FIGURE 4 REMEDIATION & CONFIRMATION_WINDWARD 005H.MXD

**TETRA TECH**

www.tetratech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NAPP2319143291
LEA COUNTY, NEW MEXICO
(32.194722°, -103.719722°)

**WINDWARD FEDERAL COM 005H FLOWLINE RELEASE
REMEDATION EXTENT AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO.: 212C-MD-03168

DATE: SEPTEMBER 21, 2023

DESIGNED BY: LMV

Figure No.

4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2023 SOIL REMEDIATION
NAPP2319143291
CONOCOPHILLIPS
WINDWARD FEDERAL COM #005H
LEA COUNTY, NEW MEXICO

| Sample ID | Sample Date | Sample Depth | Field Screening Results | Chloride ¹ | | BTEx ² | | | | | | | | | | TPH ³ | | | | | | | |
|-------------|-------------|--------------|-------------------------|-----------------------|---|-------------------|---|---------|---|--------------|---|---------------|---|------------|---|----------------------------------|-------------------------------------|-------------------------------------|---|---------|---|--------------------------------|--|
| | | | Chloride | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEx | | Gro | | Dro | | Ext Dro | | Total TPH (Gro+Dro+Ext Dro) | |
| | | | | | | | | | | | | | | | | C ₆ - C ₁₀ | > C ₁₀ - C ₂₈ | > C ₂₈ - C ₃₆ | | | | | |
| | | ft. bgs | ppm | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | |
| SW-1 | 7/12/2023 | - | 521 | 464 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 70.0 | | 24.9 | | 94.9 | |
| SW-2 | 7/12/2023 | - | 415 | 288 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 45.3 | | 20.5 | | 65.8 | |
| SW-3 | 7/12/2023 | - | 281 | 192 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 37.4 | | 20.3 | | 57.7 | |
| SW-4 | 7/12/2023 | - | 312 | 160 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 45.9 | | 16.9 | | 62.8 | |
| FS-1 | 7/12/2023 | 1 | 355 | 448 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 107 | | 32.4 | | 139.4 | |
| FS-1 (2') * | 8/31/2023 | 2 | 947 | 384 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | <10.0 | |

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed RRALs and/or Reclamation Requirements.

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
TWIN WELLS BUCKTHORN PIT - SOIL BACKFILL
CONOCOPHILLIPS
32.152167°, -103.773445°
LEA COUNTY, NM

| Sample ID | Sample Date | Chloride ¹ | | BTEX ² | | | | | | | | | | TPH ³ | | | | | | | |
|----------------------|-------------|-----------------------|---|-------------------|---|---------|---|--------------|---|---------------|---|------------|---|----------------------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------|--|
| | | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO | | DRO | | EXT DRO | | Total TPH | |
| | | | | | | | | | | | | | | C ₆ - C ₁₀ | | > C ₁₀ - C ₂₈ | | > C ₂₈ - C ₃₆ | | (GRO+DRO+EXT DRO) | |
| | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | |
| BACKFILL - COMPOSITE | 3/26/2024 | 16 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | |

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M

APPENDIX A

Regulatory Correspondence

Chavira, Lisbeth

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, August 30, 2023 10:32 AM
To: Chavira, Lisbeth
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Incident ID: NAPP2319143291 - Confirmation Sampling

You don't often get email from shelly.wells@emnrd.nm.gov. [Learn why this is important](#)

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Good morning Lisbeth,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

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: Chavira, Lisbeth <LISBETH.CHAVIRA@tetrattech.com>
Sent: Wednesday, August 30, 2023 8:08 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Abbott, Sam <Sam.Abbott@tetrattech.com>
Subject: [EXTERNAL] Incident ID: NAPP2319143291 - Confirmation Sampling

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

Incident ID (n#) **NAPP2319143291** (WINDWARD FEDERAL 005H)

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities of the release will begin Thursday, August 31, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site **Thursday, August 31, 2023**.

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Thank you,

Lisbeth Chavira | Staff Geoscientist

Direct Mobile +1 (512) 596-8201 | Lisbeth.chavira@tetrattech.com

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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From: [Lull, Christian](#)
To: [Taylor, Shelly J](#)
Subject: RE: [EXTERNAL] FW: Request for Approval - Remediation (Windward Federal Com 005H)
Date: Monday, September 25, 2023 10:40:56 AM
Attachments: [image005.png](#)
[image006.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

Thank you Shelly!

Christian

From: Taylor, Shelly J <sjtaylor@blm.gov>
Sent: Monday, September 25, 2023 10:13 AM
To: Lull, Christian <Christian.Llull@tetrattech.com>
Subject: Re: [EXTERNAL] FW: Request for Approval - Remediation (Windward Federal Com 005H)

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

You are cleared to proceed.

Sincerely,

Shelly J Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office
620 E. Greene St
Carlsbad, NM 88220
Direct 575.234.5706
Mobile 575.499.6831
sjtaylor@blm.gov



Spill/Release email: BLM_NM_CFO_REALTY_SPILL@BLM.GOV

From: Lull, Christian <Christian.Llull@tetrattech.com>
Sent: Monday, September 25, 2023 8:49 AM
To: Taylor, Shelly J <sjtaylor@blm.gov>
Subject: [EXTERNAL] FW: Request for Approval - Remediation (Windward Federal Com 005H)

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Are we clear to remediate?

From: Chavira, Lisbeth
Sent: Wednesday, August 30, 2023 11:18 AM
To: 'sjtaylor@blm.gov' <sjtaylor@blm.gov>
Cc: Abbott, Sam <Sam.Abbott@tetrattech.com>
Subject: Request for Approval - Remediation (Windward Federal Com 005H)

Shelly,

Good morning. I write on behalf of ConocoPhillips.

Tetra Tech is assisting with remediation of a previously reported unplanned release with the NMOCD, that occurred on July 1, 2023.

In order to complete the remediation and the submittal process we are requesting verbal approval to proceed with cleanup at the location listed below.
Please let me know if you require any other permitting or compliance items in addition to this email approval before we begin work.

Name of Release: Windward Federal Com 005H
Unit Letter D, Section 30, Township 26 South, Range 32 East
Lea County, New Mexico
Incident Identification (ID) NAPP2319143291
Approximate Release Location: 32.194730°,-103.719841°
Date Release Discovered: July 1, 2023
Volume Released: Approximately 0.0446 barrels (bbls) of crude oil and 0.1338 bbls of produced water were released.
Remediation will be performed with hand shovels near buried lines.

Please let me know at your earliest convenience that we can proceed.





Thank you,

Lisbeth Chavira | Staff Geoscientist

Direct Mobile +1 (512) 596-8201 | Lisbeth.chavira@tetrattech.com

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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APPENDIX B

Laboratory Analytical Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 17, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WINDWARD FEDERAL COM 005H FLOW LINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/12/23 12:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 07/12/2023 | Sampling Date: | 07/12/2023 |
| Reported: | 07/17/2023 | Sampling Type: | Soil |
| Project Name: | WINDWARD FEDERAL COM 005H FLOW | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 03168 | Sample Received By: | Tamara Oldaker |
| Project Location: | COP - LEA CO NM | | |

Sample ID: SW - 1 (H233552-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/13/2023 | ND | 2.00 | 100 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.97 | 98.7 | 2.00 | 1.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.95 | 97.3 | 2.00 | 1.79 | |
| Total Xylenes* | <0.150 | 0.150 | 07/13/2023 | ND | 5.91 | 98.6 | 6.00 | 1.44 | |
| Total BTEX | <0.300 | 0.300 | 07/13/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 07/13/2023 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2023 | ND | 204 | 102 | 200 | 1.38 | | |
| DRO >C10-C28* | 70.0 | 10.0 | 07/13/2023 | ND | 199 | 99.6 | 200 | 4.84 | | |
| EXT DRO >C28-C36 | 24.9 | 10.0 | 07/13/2023 | ND | | | | | | |

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 07/12/2023 | Sampling Date: | 07/12/2023 |
| Reported: | 07/17/2023 | Sampling Type: | Soil |
| Project Name: | WINDWARD FEDERAL COM 005H FLOW | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 03168 | Sample Received By: | Tamara Oldaker |
| Project Location: | COP - LEA CO NM | | |

Sample ID: SW - 2 (H233552-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/13/2023 | ND | 2.00 | 100 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.97 | 98.7 | 2.00 | 1.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.95 | 97.3 | 2.00 | 1.79 | |
| Total Xylenes* | <0.150 | 0.150 | 07/13/2023 | ND | 5.91 | 98.6 | 6.00 | 1.44 | |
| Total BTEX | <0.300 | 0.300 | 07/13/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 07/13/2023 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2023 | ND | 204 | 102 | 200 | 1.38 | |
| DRO >C10-C28* | 45.3 | 10.0 | 07/13/2023 | ND | 199 | 99.6 | 200 | 4.84 | |
| EXT DRO >C28-C36 | 20.5 | 10.0 | 07/13/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 07/12/2023 | Sampling Date: | 07/12/2023 |
| Reported: | 07/17/2023 | Sampling Type: | Soil |
| Project Name: | WINDWARD FEDERAL COM 005H FLOW | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 03168 | Sample Received By: | Tamara Oldaker |
| Project Location: | COP - LEA CO NM | | |

Sample ID: SW - 3 (H233552-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/13/2023 | ND | 2.00 | 100 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.97 | 98.7 | 2.00 | 1.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.95 | 97.3 | 2.00 | 1.79 | |
| Total Xylenes* | <0.150 | 0.150 | 07/13/2023 | ND | 5.91 | 98.6 | 6.00 | 1.44 | |
| Total BTEX | <0.300 | 0.300 | 07/13/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 07/13/2023 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/14/2023 | ND | 204 | 102 | 200 | 1.38 | |
| DRO >C10-C28* | 37.4 | 10.0 | 07/14/2023 | ND | 199 | 99.6 | 200 | 4.84 | |
| EXT DRO >C28-C36 | 20.3 | 10.0 | 07/14/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 07/12/2023 | Sampling Date: | 07/12/2023 |
| Reported: | 07/17/2023 | Sampling Type: | Soil |
| Project Name: | WINDWARD FEDERAL COM 005H FLOW | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 03168 | Sample Received By: | Tamara Oldaker |
| Project Location: | COP - LEA CO NM | | |

Sample ID: SW - 4 (H233552-04)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/13/2023 | ND | 2.00 | 100 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.97 | 98.7 | 2.00 | 1.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.95 | 97.3 | 2.00 | 1.79 | |
| Total Xylenes* | <0.150 | 0.150 | 07/13/2023 | ND | 5.91 | 98.6 | 6.00 | 1.44 | |
| Total BTEX | <0.300 | 0.300 | 07/13/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 07/13/2023 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2023 | ND | 204 | 102 | 200 | 1.38 | |
| DRO >C10-C28* | 45.9 | 10.0 | 07/13/2023 | ND | 199 | 99.6 | 200 | 4.84 | |
| EXT DRO >C28-C36 | 16.9 | 10.0 | 07/13/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 07/12/2023 | Sampling Date: | 07/12/2023 |
| Reported: | 07/17/2023 | Sampling Type: | Soil |
| Project Name: | WINDWARD FEDERAL COM 005H FLOW | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 03168 | Sample Received By: | Tamara Oldaker |
| Project Location: | COP - LEA CO NM | | |

Sample ID: FS - 1 (H233552-05)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 07/13/2023 | ND | 2.00 | 100 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.97 | 98.7 | 2.00 | 1.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/13/2023 | ND | 1.95 | 97.3 | 2.00 | 1.79 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/13/2023 | ND | 5.91 | 98.6 | 6.00 | 1.44 | | |
| Total BTEX | <0.300 | 0.300 | 07/13/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 448 | 16.0 | 07/13/2023 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2023 | ND | 204 | 102 | 200 | 1.38 | |
| DRO >C10-C28* | 107 | 10.0 | 07/13/2023 | ND | 199 | 99.6 | 200 | 4.84 | |
| EXT DRO >C28-C36 | 32.4 | 10.0 | 07/13/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

[illegible]

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 31, 2023

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WINDWARD FEDERAL COM 005H FLOW LINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/31/23 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|--------------------------------|---------------------|-----------------|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | WINDWARD FEDERAL COM 005H FLOW | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 03168 | Sample Received By: | Dionica Hinojos |
| Project Location: | COP - LEA CO NM | | |

Sample ID: FS - 1 (2') (H234736-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/31/2023 | ND | 1.84 | 92.0 | 2.00 | 1.09 | |
| Toluene* | <0.050 | 0.050 | 08/31/2023 | ND | 1.76 | 88.2 | 2.00 | 1.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/31/2023 | ND | 1.83 | 91.5 | 2.00 | 0.441 | |
| Total Xylenes* | <0.150 | 0.150 | 08/31/2023 | ND | 5.52 | 92.1 | 6.00 | 0.0347 | |
| Total BTX | <0.300 | 0.300 | 08/31/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 08/31/2023 | ND | 368 | 92.0 | 400 | 16.0 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/31/2023 | ND | 207 | 103 | 200 | 6.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/31/2023 | ND | 210 | 105 | 200 | 6.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/31/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 27, 2024

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: TWIN WELLS BUCKTHORN PIT (BACKFILL SOURCE)

Enclosed are the results of analyses for samples received by the laboratory on 03/26/24 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-----------------------------------|---------------------|----------------|
| Received: | 03/26/2024 | Sampling Date: | 03/26/2024 |
| Reported: | 03/27/2024 | Sampling Type: | Soil |
| Project Name: | TWIN WELLS BUCKTHORN PIT (BACKFI | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02999A | Sample Received By: | Tamara Oldaker |
| Project Location: | COP- LEA CO NM | | |

Sample ID: BACKFILL - COMPOSITE (H241559-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/26/2024 | ND | 2.24 | 112 | 2.00 | 0.883 | |
| Toluene* | <0.050 | 0.050 | 03/26/2024 | ND | 2.19 | 109 | 2.00 | 0.961 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/26/2024 | ND | 2.14 | 107 | 2.00 | 1.01 | |
| Total Xylenes* | <0.150 | 0.150 | 03/26/2024 | ND | 6.23 | 104 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 03/26/2024 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: CT | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 03/27/2024 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/26/2024 | ND | 226 | 113 | 200 | 0.713 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/26/2024 | ND | 220 | 110 | 200 | 1.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/26/2024 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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*=Accredited Analyte

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

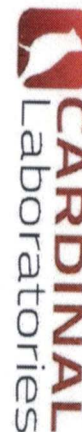
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



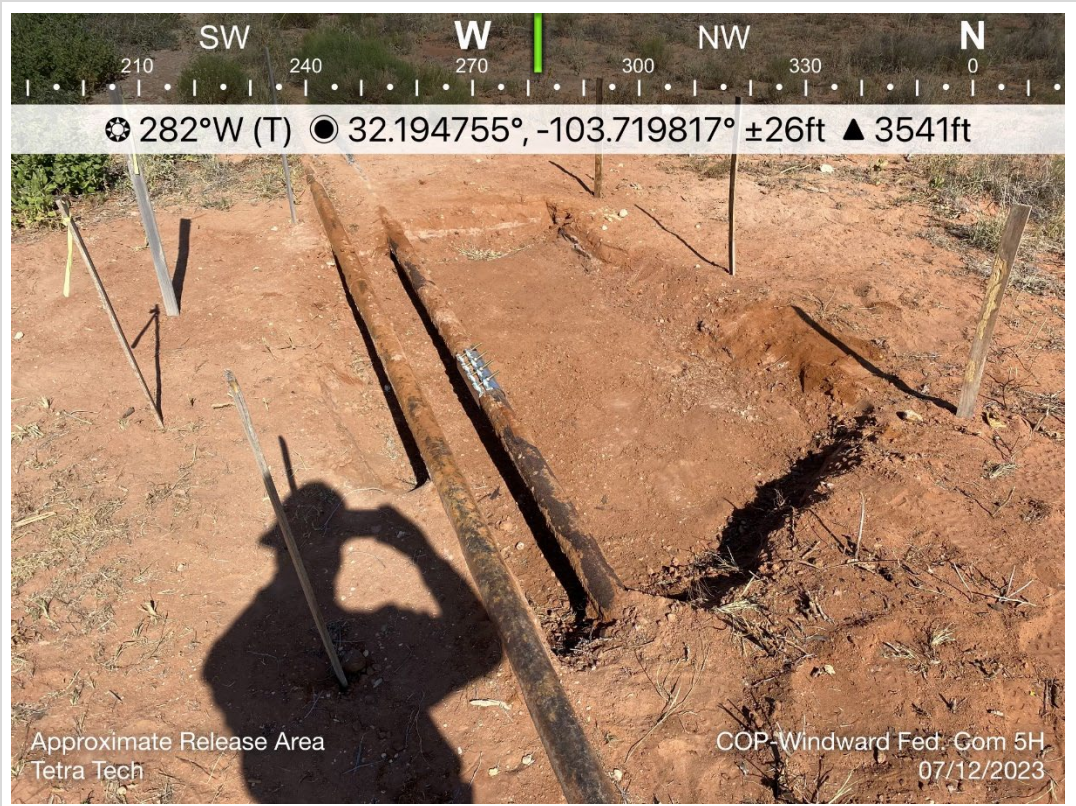
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

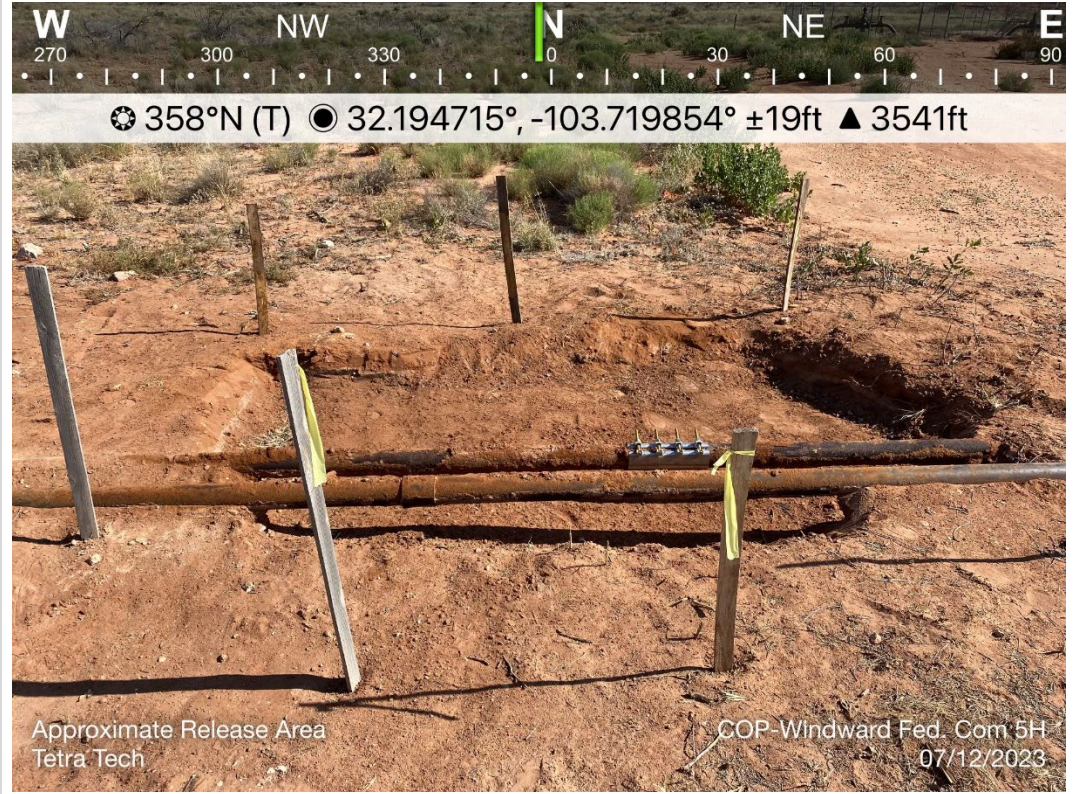
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| Company Name: Tetra Tech Project Manager: Sam Abbott Address: 8911 Capital o Texas Hwy, Suite 2310 City: Austin State: TX Zip: _____ Phone #: (512)665-0190 Fax #: _____ Project #: 212C-MD-02999A Project Owner: ConocoPhillips Project Name: Twin Wells Buckhorn Pit (Backfill Source) Project Location: Lea County, New Mexico Sample Name: Colton Bickstaff FOR LAB USE ONLY Lab I.D.: _____ | | | | | | | | | | BILL TO P.O. #: _____ Company: Tetra Tech Attn: Sam Abbott Address: EMAIL City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ | | | | | | | | | | ANALYSIS REQUEST | | | | | | | | | |
| Relinquished By: Colton Bickstaff Date: 03/26/24 Received By: <i>[Signature]</i> Date: 03/26/24 Time: 1515 Relinquished By: _____ Date: _____ Time: _____ | | | | | | | | | | Observed Temp. °C Corrected Temp. °C 4.8i Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: <i>[Signature]</i> (Initials) | | | | | | | | | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: Sam.Abbott@tetratech.com AND Christian.Liut@tetratech.com REMARKS: Backfill sample collected at Twin Wells Ranch Buckhorn pit (32.1521970, -103.7734031) for use at King Tule's & Windward Federal Releases. | | | | | | | | | |
| PL/DAE NOTE: Lability and Dyeing: Carden's liability and darts exclusive remedy for any claim arising whether used in connection with this bill to the extent permitted by the laws of the state of Texas. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Carden within 30 days after the date of successful testing and/or related to the performance of services hereunder by Carden, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | | | | | | | | | | Turnaround Time: Standard <input type="checkbox"/> Bacteria (only) Sample Condition Rush YES 24hr: TAT <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C Thermometer ID: #113 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Correction Factor: -0.50 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) Sampler - UPS - Flus - Other: | | | | | | | | | | Backfill Composite (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS 1 GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input checked="" type="checkbox"/> OTHER : <input type="checkbox"/> DATE 3-26-2024 TIME 1515 TPH 8015M <input checked="" type="checkbox"/> BTEX 8021B <input checked="" type="checkbox"/> Chloride SM4500Cl-B <input checked="" type="checkbox"/> RUSH <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | |

APPENDIX C

Photographic Documentation



| | | | |
|--|-------------|--|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View west of release extent. Initial response area and subsurface steel lines. | 1 |
| | SITE NAME | Windward Federal Com #005H Release | 7/12/2023 |




| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View north of release extent. Initial response area and subsurface steel lines. | 2 |
| | SITE NAME | Windward Federal Com #005H Release | 7/12/2023 |



| | | | |
|--|-------------|--|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View east of release extent. Initial response area and subsurface steel lines. | 3 |
| | SITE NAME | Windward Federal Com #005H Release | 7/12/2023 |



| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View south of release extent. Initial response area and subsurface steel lines. | 4 |
| | SITE NAME | Windward Federal Com #005H Release | 7/12/2023 |

| | | | |
|---|-------------|--|-----------|
| <div><div><div><div>S180</div><div>SW</div><div>W270</div><div>NW</div><div>300</div><div>330</div></div><div>210240</div><div>☉ 261°W (T) ☉ 32.194733°, -103.719814° ±55ft ▲ 3541ft</div><div></div><div>Approximate Release Area Tetra Tech</div><div>COP-Windward Fed. Com 5H 07/12/2023</div></div></div> | | | |
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View west of release extent. Initial response area and subsurface steel lines. | 5 |
| | SITE NAME | Windward Federal Com #005H Release | 7/12/2023 |



| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View north north-east. Excavated area and subsurface steel lines. | 6 |
| | SITE NAME | Windward Federal Com #005H Release | 9/01/2023 |



| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View north-west. Excavated area and subsurface steel lines. | 7 |
| | SITE NAME | Windward Federal Com #005H Release | 9/01/2023 |



| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View east north-east. Backfilled area and subsurface steel lines. | 8 |
| | SITE NAME | Windward Federal Com #005H Release | 9/01/2023 |



| | | | |
|--|-------------|--|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-03168 | DESCRIPTION | View north north-east. Backfilled area and subsurface steel lines. | 9 |
| | SITE NAME | Windward Federal Com #005H Release | 9/01/2023 |

District I
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 387256

QUESTIONS

| | |
|--|--|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: 217955 |
| | Action Number: 387256 |
| | Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| | |
|-------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2319143291 |
| Incident Name | NAPP2319143291 WINDWARD FED 2H - BATTERY @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Reclamation Report Received |
| Incident Facility | [fAPP2132638253] WINDWARD FED 2H - BATTERY |

| | |
|--|---------------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | WINDWARD FED 2H - BATTERY |
| Date Release Discovered | 07/01/2023 |
| Surface Owner | Federal |

| | |
|--|------------------------|
| Incident 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 |

| | |
|--|--|
| 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 | Cause: Corrosion Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL. |
| Produced Water Released (bbls) Details | Cause: Corrosion Flow Line - Production Produced Water Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| 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) | Not answered. |

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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 387256

QUESTIONS (continued)

| | |
|--|----------------|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: |
| | 217955 |
| | Action Number: |
| | 387256 |
| Action Type: | |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation) | |

QUESTIONS

| Nature and Volume of Release (continued) | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | More info needed to determine if this will be treated as a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Unavailable. |
| Reasons why this would be considered a submission for a notification of a major release | Unavailable. |
| 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 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 | na |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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 | Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/26/2024 |
|--|---|

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QUESTIONS, Page 3

Action 387256

QUESTIONS (continued)

| | |
|--|----------------|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: |
| | 217955 |
| | Action Number: |
| | 387256 |
| Action Type: | |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation) | |

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 100 and 500 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and 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) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Greater than 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 | Greater than 5 (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 | None |
| A 100-year floodplain | Greater than 5 (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 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 milligrams per kilograms.)

| | |
|---|-------|
| Chloride (EPA 300.0 or SM4500 Cl B) | 464 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 139.4 |
| GRO+DRO (EPA SW-846 Method 8015M) | 107 |
| 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 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.

| | |
|---|------------|
| On what estimated date will the remediation commence | 07/10/2023 |
| On what date will (or did) the final sampling or liner inspection occur | 08/31/2023 |
| On what date will (or was) the remediation complete(d) | 09/01/2023 |
| What is the estimated surface area (in square feet) that will be reclaimed | 38 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 5 |
| What is the estimated surface area (in square feet) that will be remediated | 38 |
| What is the estimated volume (in cubic yards) that will be remediated | 5 |

These estimated dates and measurements are recognized to be the best guess or calculation at the 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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QUESTIONS, Page 4

Action 387256

QUESTIONS (continued)

| | | |
|--|----------------|--|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: | 217955 |
| | Action Number: | 387256 |
| | Action Type: | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |
| | | |

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 | WINDWARD FED 2H - BATTERY [fAPP2132638253] |
| 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 | Not answered. |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | No |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |

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 | Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/26/2024 |
|--|---|

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

Action 387256

QUESTIONS (continued)

| | |
|--|--|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: 217955 |
| | Action Number: 387256 |
| | Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

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 |

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QUESTIONS, Page 6

Action 387256

QUESTIONS (continued)

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|--|----------------|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: |
| | 217955 |
| | Action Number: |
| | 387256 |
| Action Type: | |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation) | |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 387277 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 07/12/2023 |
| What was the (estimated) number of samples that were to be gathered | 5 |
| What was the sampling surface area in square feet | 24 |

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 | 38 |
| What was the total volume (cubic yards) remediated | 5 |
| 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 | 38 |
| What was the total volume (in cubic yards) reclaimed | 5 |
| Summarize any additional remediation activities not included by answers (above) | na |

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/26/2024 |
|--|---|

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QUESTIONS, Page 7

Action 387256

QUESTIONS (continued)

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|--|--|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: 217955 |
| | Action Number: 387256 |
| | Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| | |
|--|---|
| Reclamation Report | |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i> | |
| Requesting a reclamation approval with this submission | Yes |
| What was the total reclamation surface area (in square feet) for this site | 38 |
| What was the total volume of replacement material (in cubic yards) for this site | 5 |
| <i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i> | |
| Is the soil top layer complete and is it suitable material to establish vegetation | Yes |
| On what (estimated) date will (or was) the reseeding commence(d) | 09/01/2023 |
| Summarize any additional reclamation activities not included by answers (above) | na |
| <i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i> | |
| 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/26/2024 |

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QUESTIONS, Page 8

Action 387256

QUESTIONS (continued)

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|--|--|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: 217955 |
| | Action Number: 387256 |
| | Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| | |
|---|----|
| Revegetation Report | |
| <i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i> | |
| Requesting a restoration complete approval with this submission | No |
| <i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i> | |

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CONDITIONS

Action 387256

CONDITIONS

| | |
|--|----------------|
| Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701 | OGRID: |
| | 217955 |
| | Action Number: |
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| Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation) | |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|----------------|
| scott.rodgers | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 10/2/2024 |
| scott.rodgers | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 10/2/2024 |