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	nAPP2102540540
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party Harvest Midstream Company			OGRID 3	373888		
Contact Name Kijun Hong			Contact Te	Contact Telephone 505-632-4475		
Contact emai	il khong@	harvestmidstrea	am.com	Incident #	(assigned by OCD) nAPP2102540540	
Contact mail	ing address	1755 Arroyo Dr.	, Bloomfield, NM	1 87413		
			Location	of Release So	ource	
Latitude 36.6	69306			Longitude	-107.23139	
			(NAD 83 in dec	imal degrees to 5 decin	nal places)	
Site Name La	ateral M-11	L Pipeline		Site Type	Natural Gas Pipeline	
Date Release	Discovered	1/18/2021		API# (if app	plicable)	
TT '. T	G .:	T 1:	D.			
Unit Letter	Section	Township	Range	Coun	•	
L	26	29N	4W	Rio Ai	rriba	
Surface Owner	r: State	X Federal ☐ Tr USFS		Name: I Volume of I	Release	
Crude Oil		l(s) Released (Select al Volume Release		calculations or specific	Volume Recovered (bbls)	
X Produced	Water	Volume Release	d (bbls) <1 (20 ga	al)	Volume Recovered (bbls) <1 (20 gal)	
Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?			ved solids (TDS)	Yes No	,	
X Condensa	X   Condensate   Volume Released (bbls) <1 (10 gal)				Volume Recovered (bbls) <1 (20 gal)	
X Natural Gas Volume Released (Mcf) 2,250.6			Volume Recovered (Mcf) 0			
Other (describe) Volume/Weight Released (provide units)			e units)	Volume/Weight Recovered (provide u	units)	
Cause of Ro	elease					

caused by a crack of approximately 4"x0.25" in the 4" gas line

Form C-141	
Page 2	

### State of New Mexico Oil Conservation Division

Incident ID	nAPP2102540540
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Released to Imaging: 5/11/2022 1:53:13 PM

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release? NMAC				
release as defined by 19.15.29.7(A) NMAC?	19.15.29.7(A3): an unauthorized release of gases exceeding 500 MCF				
X Yes □ No	19.15.29.7(A4): a release of a volume that may with reasonable probability be detrimental to fresh water. The location is adjacent to Dry Lake Canyon wash.				
If YES, was immediate i	notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?				
Notice provided via el	ectronic mail by Kijun Hong to Cory Smith and Jim Griswold of NMOCD on Jan. 18, 2021 3:10 PM				
	Initial Response				
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury				
X The source of the rele	ease has been stonned.				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	is been secured to protect human health and the environment.				
Patricipa (VIII)	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.				
X All free liquids and re	ecoverable materials have been removed and managed appropriately.				
If all the actions described	d above have <u>not</u> been undertaken, explain why:				
tion that	nd a cleanup crew arrived the same day. A soil berm was constructed to contain and absorb the soil soil (approx. 5 cub. yds.) was then excavated and disposed of. Permanent pipeline repair will occur se.				
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at 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: Kijun Hong Title: Environmental Specialist					
Signature:	Date: 1/29/2021				
email: khong@harvesti	midstream.com Telephone: 505-632-4475				
OCD Only					
5771	D. t				
Received by:	Date:				

	Page 3 of	43
Incident ID	nAPP2102540540	
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Application ID		

### Site Assessment/Characterization

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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes 🗓 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	X Yes No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🗵 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🗵 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 🗓 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 🗵 No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes X No
Attach a comprehensive report (electronic submittals in .ndf format are preferred) demonstrating the lateral and ver	tical extents of soil

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

#### Characterization Report Checklist: Each of the following items must be included in the report.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 7/4/2021 12:00:02 AM Form C-141 State of New Mexico
Page 4 Oil Conservation Division

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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: Monica Smith Title: Environmental Specialist

Signature: Date: 7/2/2021

email: msmith@harvestmidstream.com Telephone: 505-632-4625

OCD Only

Received by: \_\_\_\_\_\_ Date: \_\_\_\_\_\_

Date: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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Incident ID	nAPP2102540540
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Facility ID	
Application ID	

## Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate OD	OC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certamay endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and requirement and the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulatestore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the Printed Name: Monica Smith	lations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in
email: msmith@harvestmidstream.com	Telephone: 505-632-4625
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by: Nelson Velez	Date:05/11/2022
Closure Approved by: Nelson Velez  Printed Name: Nelson Velez	Date: Date: Environmental Specialist – Adv



July 2, 2021

Cory Smith
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos
Aztec, New Mexico 87410

RE: CLOSURE REPORT

Email: Cory.Smith@state.nm.us

Lateral M-11 Pipeline Release NMOCD Incident No. nAPP2102540540 NW% SW%, Section 26, T29N, R4W Rio Arriba County, New Mexico

Dear Mr. Smith:

Harvest Midstream Company (Harvest) completed an excavation clearance of a release at the Lateral M-11 Pipeline location in October 2020. The release consisted of approximately 2,251 mcf of natural gas, 20 gallons of produced water, and 10 gallons of condensate and was discovered on January 18, 2021. It is classified as a major release because it exceeded 500 mcf of natural gas and occurred within 300 ft of a significant watercourse. Harvest collected soil samples to confirm all impacted soils were removed. The excavation was then backfilled with clean soil, and all excavated soil was disposed of at an appropriate facility.

#### TIMELINE:

January 18, 2021:

- Harvest discovered and reported via email a Major Release from the Lateral M-11 Pipeline. The email was sent to David Mankiewicz of Bureau of Land Management (BLM), Gary Smith/BLM, Cory Smith of New Mexico Oil Conservation Division (NMOCD), Jim Griswold/NMOCD, other Harvest personnel, and Animas Environmental Services (AES). The email provided estimated gas losses, estimated liquid losses, and noted that the release occurred in the Carson National Forest.
- Harvest isolated the affected line and dispatched a cleanup crew. The crew constructed a soil berm to contain and absorb the liquids, and approximately 5 cubic yards of contaminated soil were excavated and removed for disposal at Industrial Ecosystem, Inc. (IEI). Pipeline repairs were delayed due to inclement weather. January 19, 2021:

624 E Comanche St. Farmington, NM 87401 505-564-2281 animasenvironmental.com

- Gary Smith/BLM emailed Kijun Hong/Harvest, informing him that the proper BLM contact was Ryan Joyner. Ryan Joyner/BLM was copied on the email.
- Ryan Joyner/BLM replied to Kijun Hong/Harvest, directing Harvest to follow the BLM's NTL-3A reporting requirements for a Major Undesirable Event (MUE).
- Beth McNally/AES replied to Ryan Joyner/BLM, asking him to confirm that even though the release took place in Carson National Forest, BLM would still take the lead on reporting. She also asked for the current contact for Carson National Forest.
- Ryan Joyner/BLM replied stating that he didn't believe "the Carson takes over reporting" and "I am not sure if it gets reported to the Carson since this is a gas release".
- Beth McNally/AES replied once more, reiterating that the release did include a small amount of liquid.
  - January 25, 2021:
- Harvest submitted a C-141A Initial Notification to NMOCD and was assigned Incident #nAPP2102540540.
  January 29, 2021:
- Harvest submitted an initial C-141 Release Notification report to NMOCD. February 2, 2021:
- Angela Ledgerwood/AES on behalf of Harvest submitted a MUE Report to Ryan Joyner/BLM.
  - March 10-11, 2021:
- A Harvest field crew excavated the damaged section of the line to lower the line and make repairs.
- The Harvest field crew reached out to Jodi Bohannon/Harvest, who contacted US Forest Service (USFS) with a question about the field work. USFS immediately directed Harvest to stop all work.
  - March 18, 2021:
- Kijun Hong/Harvest notified David Mankiewicz/BLM, Gary Smith/BLM, Cory Smith/NMOCD, Jim Griswold/NMOCD, other Harvest personnel, and AES that Harvest intended to collect confirmation samples on March 23, 2021.
  March 23, 2021:
- Harvest collected 10 soil samples from the excavation around the pipeline and submitted them for laboratory analysis. Results were below standards. March 25, 2021:
- JJ Miller/USFS emailed Jodi Bohannon/Harvest, stating that the USFS was not notified of the leak "for approximately two months" and that Harvest failed to notify USFS or obtain USFS authorization for off-road vehicle/equipment use, ground disturbing activities, and activities within the winter closure. The email directed Harvest to provide a USFS-permitted archaeologist to conduct a site survey/update. This site survey would need to be completed and submitted to USFS before a final mitigation/reclamation plan could be determined.

- JJ Miller/USFS also directed Harvest to submit all spill reports and test data that had been created and reported as of that email. April 6, 2021:
- Harvest completed a Master Services Agreement (MSA) with San Juan County Museum Division of Conservation Archaeology (DCA) to complete the required Arch. Survey. Other contractors with MSAs with Harvest were unavailable. April 29, 2021:
- The Arch. Survey was completed and submitted to USFS. May 12, 2021:
- Approval to proceed was granted by USFS. May 20, 2021:
- Harvest backfilled the excavation.

#### 1.0 Site Information

#### 1.1 Location

Site Name - Lateral M-11 Pipeline

Legal Description – NW¼ SW¼, Section 26, T29N, R4W, Rio Arriba County, New Mexico Release Latitude/Longitude – N36.69306, W107.23139

Land Jurisdiction - US Forest Service

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Location Map

#### 1.2 Release Information

On January 18, 2021, Harvest personnel investigated a pressure drop during freezing conditions and discovered a pipeline crack approximately 4 inches by 0.25 inches in size. Personnel shut the line in, constructed a soil berm to contain and absorb the liquids, and excavated and removed for disposal approximately 5 cubic yards of contaminated soil. The initial release was of approximately 2,251 mcf of natural gas, 20 gallons of produced water, and 10 gallons of condensate. Inclement weather delayed final repairs until March 10-11, 2021, when the pipe was replaced. Due to the natural gas volume and the proximity to a watercourse, the release was classified as "major".

## 2.0 Site Ranking

In accordance with NMAC 19.15.29.12 Table I (August 2018), release closure criteria are based on the minimum depth to groundwater within the horizontal extent of the release area:

- **Depth to Groundwater:** Cathodic reports could not be located for oil and gas wells within one-half mile. Depth to water records could not located for any wells within one-half mile. However, the site is approximately 15 to 20 ft higher than and 85 ft from Dry Lake Canyon Wash. Depth to groundwater is less than 50 ft bgs.
- Sensitive Receptor Determination: The release site is approximately 85 ft from Dry Lake Canyon Wash, a significant watercourse.

#### NMOCD Action levels are:

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO);
- 600 mg/kg chloride.

#### 3.0 Confirmation Soil Sampling

Notification of soil confirmation sampling was initially made to NMOCD on March 9, 2021, and later rescheduled on March 18. Project notifications are attached. Soil confirmation samples were collected by Harvest on March 23, 2021, including collection of ten 5-point composite samples including from each side wall and the base of the repair trench. The final excavation measured approximately 51 ft by 20 ft by 12 to 15 ft deep.

Sample locations and final excavation extents are presented on Figure 3, and excavation progress is documented in the photograph log.

#### 3.1 Field Data

Clearance of soil samples was achieved through laboratory analysis. Field notes from the March 23, 2021, field sampling and excavation are attached.

#### 3.2 Laboratory Analyses

The samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All samples were laboratory analyzed for:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- TPH as GRO, DRO, MRO per USEPA Method 8015M/D; and

Chlorides per USEPA Method 300.0.

#### 3.3 Laboratory Analytical Results

All laboratory analytical results indicated benzene, total BTEX, TPH (as GRO, DRO, and MRO) and chlorides in all samples were below applicable action levels. Sample results are presented on a data table on Figure 3. The laboratory analytical report is attached.

#### 4.0 Conclusions

Harvest completed an excavation clearance of petroleum hydrocarbon impacted soils at the Lateral M-11 Pipeline in March 2021 resulting from a release reported on January 18, 2021. Laboratory analytical results reported final benzene, total BTEX, TPH (as GRO/DRO/MRO), and chloride concentrations as *below* applicable NMOCD action levels. No further action is recommended at this time.

If you have any questions about this report or site conditions, please do not hesitate to contact Elizabeth McNally at (505) 564-2281.

Sincerely,

David J. Reese

**Environmental Scientist** 

Elizabeth V McNolly

David of Reuse

Elizabeth McNally, P.E.

#### Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Location Map

Figure 3. Excavation Area and Soil Sample Locations

Photograph Log

Excavation Log with Field Notes – March 23, 2021

Hall Analytical Report 2103B10

NMOCD Site Assessment/Characterization Ranking

Sampling Notification – March 18, 2021

Lateral M-11 Pipeline Excavation Clearance Report July 2, 2021 Page 6 of 6

Cc:

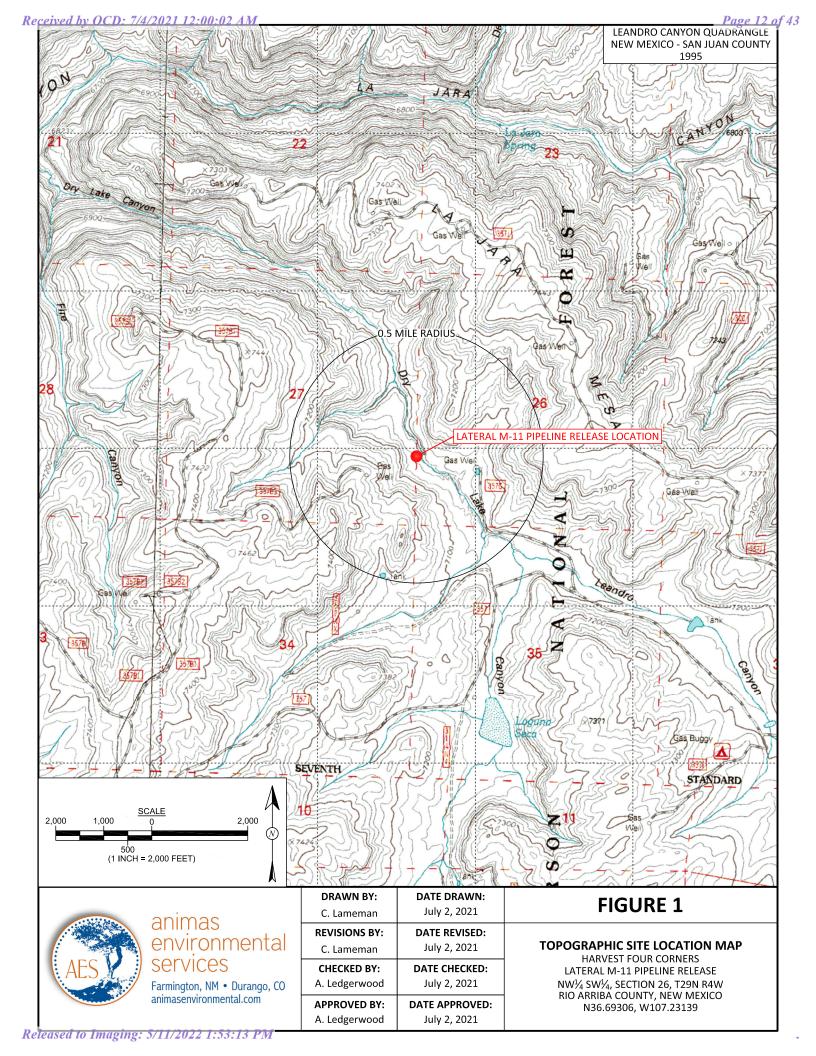
Monica Smith
Harvest Midstream Company
1755 Arroyo Dr.
Bloomfield, New Mexico 87413
Email: msmith@harvestmidstream.com

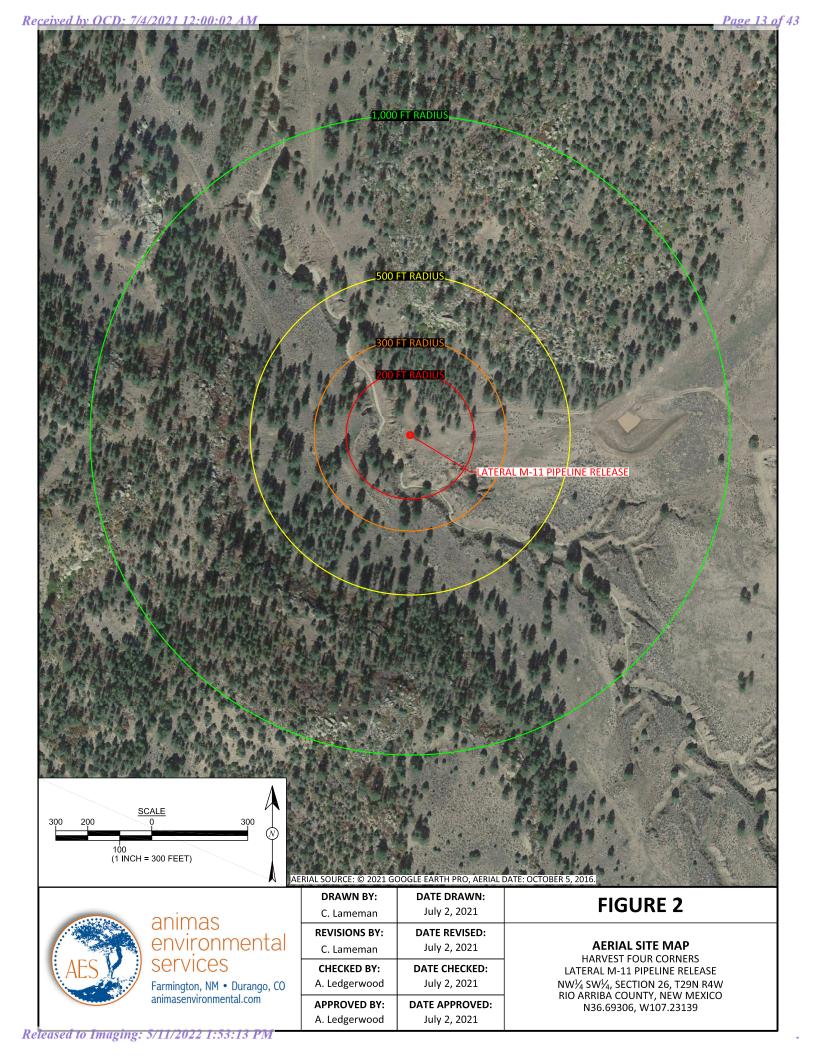
Jennifer Deal Harvest Midstream Company 1755 Arroyo Dr. Bloomfield, New Mexico 87413

Email: <u>ideal@harvestmidstream.com</u>

J.J. Miller
US Forest Service
Carson National Forest, Jicarilla Ranger District
1110 Rio Vista Lane, Unit #2
Bloomfield, New Mexico 87413
Email: jon.miller@usda.gov

https://animasenvironmental.sharepoint.com/sites/HarvestMidstream/Shared Documents/Lateral M-11 C-141/Reports/Lateral M-11 Pipeline Exc Clearance Report 070221.docx





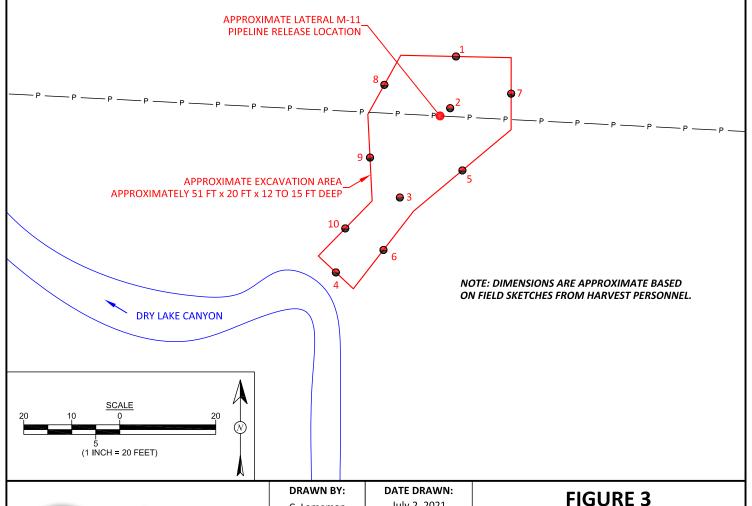
#### LEGEND

SAMPLE LOCATIONS

— Р —

APPROXIMATE BURIED PIPELINE

	Laboratory Analytical Results							
Number	Lab Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	TPH- MRO (mg/kg)	Chlorides (mg/kg)
	NMOCD ACT	TION LEVEL	10	50		100		600
1	North Wall	3/23/21	<0.025	<0.225	<5.0	<9.3	<47	<59
2	Bottom Upper End	3/23/21	<0.088	<0.798	<18	<8.8	<44	<60
3	Bottom Lower End	3/23/21	<0.11	<0.960	<21	<10	<50	<61
4	South Wall	3/23/21	<0.018	<0.158	<3.5	<9.0	<45	<60
5	East Wall Middle Arc	3/23/21	<0.090	0.66	<18	<10	<50	<59
6	East Wall South End	3/23/21	<0.020	<0.267	<3.9	<9.4	<47	<60
7	East Wall North End	3/23/21	<0.017	<0.153	5.2	<9.1	<45	<59
8	West Wall North End	3/23/21	<0.018	0.976	19	<9.9	<50	<60
9	West Wall Middle Arc	3/23/21	<0.017	<0.157	<3.5	<9.6	<48	<60
10	West Wall South End	3/23/21	<0.018	<0.162	<3.6	<9.7	<48	<60
ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021, 8015D AND 300.0.  ALL SAMPLES WERE COLLECTED BY HARVEST MIDSTREAM.								



AES

AES

animas
environmental
services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN DI.	DATE DRAWN.
C. Lameman	July 2, 2021
REVISIONS BY:	DATE REVISED:
C. Lameman	July 2, 2021
CHECKED BY:	DATE CHECKED:
A. Ledgerwood	July 2, 2021
APPROVED BY:	DATE APPROVED:
A. Ledgerwood	July 2, 2021

#### EXCAVATION AREA MAP AND SOIL SAMPLE LOCATIONS HARVEST FOUR CORNERS

HARVEST FOUR CORNERS LATERAL M-11 PIPELINE RELEASE NW¼ SW¼, SECTION 26, T29N R4W RIO ARRIBA COUNTY, NEW MEXICO N36.69306, W107.23139

#### Lateral M-11 NMOCD Incident No. nAPP2102540540 Pipeline Release Excavation Clearance



Photo 1: Pipeline excavation, March 11, 2021.



Photo 2: Pipeline excavation, March 11, 2021.

#### Lateral M-11 NMOCD Incident No. nAPP2102540540 Pipeline Release Excavation Clearance



Photo 3: Pipeline excavation, March 11, 2021.



Photo 4: Excavation backfilling, May 2021.

#### Lateral M-11 NMOCD Incident No. nAPP2102540540 Pipeline Release Excavation Clearance



Photo 5: Backfilled excavation, May 20, 2021.



Photo 6: Backfilled excavation, May 20, 2021.

DATE: Page 18 of 43 Received by OCD: 7/4/2021 12:00:02 AM 3-23-21 TOPIC: N Wall Lat m-11 on this side of the 41' PPC ! Ne Worth ENd East North ENd · west Bast wall Middle East wall · Ded middle sample West East wall South ENd East WG 11 5 outh ENd Wall Released to Imaging: 5/11/2022 1:53:13 PM



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

March 25, 2021

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413 TEL: (505) 632-4475

FAX

RE: Lat M-11 OrderNo.: 2103B10

#### Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 10 sample(s) on 3/24/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/25/2021

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: North Wall

 Project:
 Lat M-11
 Collection Date: 3/23/2021 10:30:00 AM

 Lab ID:
 2103B10-001
 Matrix: MEOH (SOIL)
 Received Date: 3/24/2021 9:10:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 59 mg/Kg 20 3/24/2021 1:29:37 PM 58931 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb Diesel Range Organics (DRO) ND 9.3 mg/Kg 3/24/2021 12:01:22 PM 58924 Motor Oil Range Organics (MRO) ND 3/24/2021 12:01:22 PM 58924 47 mg/Kg 1 Surr: DNOP 93.8 3/24/2021 12:01:22 PM 58924 70-130 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 3/24/2021 11:07:00 AM 58900 Gasoline Range Organics (GRO) ND 5.0 mg/Kg Surr: BFB 88.3 75.3-105 %Rec 3/24/2021 11:07:00 AM 58900 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 3/24/2021 11:07:00 AM 58900 Benzene 0.025 mg/Kg Toluene ND 0.050 mg/Kg 3/24/2021 11:07:00 AM 58900 Ethylbenzene ND 0.050 mg/Kg 3/24/2021 11:07:00 AM 58900 Xylenes, Total ND 0.10 mg/Kg 3/24/2021 11:07:00 AM 58900 Surr: 4-Bromofluorobenzene 3/24/2021 11:07:00 AM 58900 96.6 80-120 %Rec

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 15

Date Reported: 3/25/2021

### Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Harvest
 Client Sample ID:
 Bottom Upper End

 Project:
 Lat M-11
 Collection Date:
 3/23/2021 10:40:00 AM

 Lab ID:
 2103B10-002
 Matrix:
 MEOH (SOIL)
 Received Date:
 3/24/2021 9:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: VP
Chloride	ND	60	mg/Kg	20	3/24/2021 1:42:02 PM	58931
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: mb
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	3/24/2021 12:10:49 PM	1 58924
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/24/2021 12:10:49 PM	58924
Surr: DNOP	85.9	70-130	%Rec	1	3/24/2021 12:10:49 PM	1 58924
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	3/24/2021 11:30:38 AM	1 58900
Surr: BFB	96.6	75.3-105	%Rec	5	3/24/2021 11:30:38 AM	1 58900
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.088	mg/Kg	5	3/24/2021 11:30:38 AM	1 58900
Toluene	ND	0.18	mg/Kg	5	3/24/2021 11:30:38 AM	1 58900
Ethylbenzene	ND	0.18	mg/Kg	5	3/24/2021 11:30:38 AM	1 58900
Xylenes, Total	ND	0.35	mg/Kg	5	3/24/2021 11:30:38 AM	1 58900
Surr: 4-Bromofluorobenzene	99.8	80-120	%Rec	5	3/24/2021 11:30:38 AM	1 58900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/25/2021

### Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Harvest
 Client Sample ID:
 Bottom Lower End

 Project:
 Lat M-11
 Collection Date:
 3/23/2021 10:50:00 AM

 Lab ID:
 2103B10-003
 Matrix:
 MEOH (SOIL)
 Received Date:
 3/24/2021 9:10:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 61 mg/Kg 20 3/24/2021 1:54:26 PM 58931 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb Diesel Range Organics (DRO) ND 10 mg/Kg 3/24/2021 12:20:19 PM 58924 Motor Oil Range Organics (MRO) ND 3/24/2021 12:20:19 PM 58924 50 mg/Kg 1 Surr: DNOP 89.3 3/24/2021 12:20:19 PM 58924 70-130 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 5 3/24/2021 11:54:19 AM 58900 21 mg/Kg Surr: BFB 92.0 75.3-105 %Rec 3/24/2021 11:54:19 AM 58900 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 3/24/2021 11:54:19 AM 58900 Benzene 0.11 mg/Kg 5 Toluene ND 0.21 mg/Kg 3/24/2021 11:54:19 AM 58900 Ethylbenzene ND 0.21 mg/Kg 5 3/24/2021 11:54:19 AM 58900 Xylenes, Total ND 0.43 mg/Kg 3/24/2021 11:54:19 AM 58900 Surr: 4-Bromofluorobenzene 80-120 3/24/2021 11:54:19 AM 58900 100 %Rec

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### **Analytical Report**

Lab Order **2103B10**Date Reported: **3/25/2021** 

3/24/2021 12:17:55 PM 58900

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: South Wall

 Project:
 Lat M-11
 Collection Date: 3/23/2021 11:00:00 AM

 Lab ID:
 2103B10-004
 Matrix: MEOH (SOIL)
 Received Date: 3/24/2021 9:10:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 60 mg/Kg 20 3/24/2021 2:06:51 PM 58931 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb Diesel Range Organics (DRO) ND 9.0 mg/Kg 3/24/2021 12:29:50 PM 58924 Motor Oil Range Organics (MRO) ND 3/24/2021 12:29:50 PM 58924 45 mg/Kg 1 Surr: DNOP 87.2 3/24/2021 12:29:50 PM 58924 70-130 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 3/24/2021 12:17:55 PM 58900 Gasoline Range Organics (GRO) ND 3.5 mg/Kg Surr: BFB 91.3 75.3-105 %Rec 3/24/2021 12:17:55 PM 58900 **EPA METHOD 8021B: VOLATILES** Analyst: NSB

ND

ND

ND

ND

99.5

0.018

0.035

0.035

0.070

80-120

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/25/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: East Wall Middle ArcProject:Lat M-11Collection Date: 3/23/2021 11:10:00 AMLab ID:2103B10-005Matrix: MEOH (SOIL)Received Date: 3/24/2021 9:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	VP
Chloride	ND	59	mg/Kg	20	3/24/2021 2:19:16 PM	58931
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	mb
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/24/2021 12:39:21 PM	58924
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/24/2021 12:39:21 PM	58924
Surr: DNOP	81.7	70-130	%Rec	1	3/24/2021 12:39:21 PM	58924
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	3/24/2021 12:41:34 PM	58900
Surr: BFB	101	75.3-105	%Rec	5	3/24/2021 12:41:34 PM	58900
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.090	mg/Kg	5	3/24/2021 12:41:34 PM	58900
Toluene	ND	0.18	mg/Kg	5	3/24/2021 12:41:34 PM	58900
Ethylbenzene	ND	0.18	mg/Kg	5	3/24/2021 12:41:34 PM	58900
Xylenes, Total	0.66	0.36	mg/Kg	5	3/24/2021 12:41:34 PM	58900
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	5	3/24/2021 12:41:34 PM	58900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## **Analytical Report**

Lab Order **2103B10**Date Reported: **3/25/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: East Wall South End
Project: Lat M-11
Collection Date: 3/23/2021 11:20:00 AM
Lab ID: 2103B10-006
Matrix: MEOH (SOIL)
Received Date: 3/24/2021 9:10:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 60 mg/Kg 20 3/24/2021 2:31:41 PM 58931 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: **mb** Diesel Range Organics (DRO) ND 9.4 mg/Kg 3/24/2021 12:48:55 PM 58924 Motor Oil Range Organics (MRO) ND 3/24/2021 12:48:55 PM 58924 47 mg/Kg 1 Surr: DNOP 85.4 70-130 %Rec 3/24/2021 12:48:55 PM 58924 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 3/24/2021 1:52:41 PM Gasoline Range Organics (GRO) ND 58900 3.9 mg/Kg Surr: BFB 92.5 %Rec 3/24/2021 1:52:41 PM 58900 75.3-105 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 3/24/2021 1:52:41 PM Benzene 0.020 mg/Kg 58900 Toluene ND 0.039 mg/Kg 3/24/2021 1:52:41 PM 58900 Ethylbenzene ND 0.039 mg/Kg 3/24/2021 1:52:41 PM 58900 Xylenes, Total ND 0.079 mg/Kg 3/24/2021 1:52:41 PM 58900 Surr: 4-Bromofluorobenzene 100 80-120 %Rec 3/24/2021 1:52:41 PM 58900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/25/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: East Wall North EndProject:Lat M-11Collection Date: 3/23/2021 11:30:00 AMLab ID:2103B10-007Matrix: MEOH (SOIL)Received Date: 3/24/2021 9:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	59	mg/Kg	20	3/24/2021 2:44:06 PM	58931
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	3/24/2021 12:58:30 PM	58924
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/24/2021 12:58:30 PM	58924
Surr: DNOP	88.2	70-130	%Rec	1	3/24/2021 12:58:30 PM	58924
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: CCM
Gasoline Range Organics (GRO)	5.2	3.4	mg/Kg	1	3/24/2021 11:37:00 AM	58894
Surr: BFB	100	75.3-105	%Rec	1	3/24/2021 11:37:00 AM	58894
EPA METHOD 8021B: VOLATILES					Analyst	: CCM
Benzene	ND	0.017	mg/Kg	1	3/24/2021 11:37:00 AM	58894
Toluene	ND	0.034	mg/Kg	1	3/24/2021 11:37:00 AM	58894
Ethylbenzene	ND	0.034	mg/Kg	1	3/24/2021 11:37:00 AM	58894
Xylenes, Total	ND	0.068	mg/Kg	1	3/24/2021 11:37:00 AM	58894
Surr: 4-Bromofluorobenzene	86.1	80-120	%Rec	1	3/24/2021 11:37:00 AM	58894

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/25/2021

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: West Wall North EndProject:Lat M-11Collection Date: 3/23/2021 11:50:00 AMLab ID:2103B10-008Matrix: MEOH (SOIL)Received Date: 3/24/2021 9:10:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 60 mg/Kg 20 3/24/2021 2:56:31 PM 58931 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: **mb** Diesel Range Organics (DRO) ND 9.9 mg/Kg 3/24/2021 1:08:04 PM 58924 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 3/24/2021 1:08:04 PM 58924 Surr: DNOP 86.2 58924 70-130 %Rec 3/24/2021 1:08:04 PM Analyst: CCM **EPA METHOD 8015D: GASOLINE RANGE** 3/24/2021 11:57:00 AM 58894 Gasoline Range Organics (GRO) 19 3.6 mg/Kg Surr: BFB 149 75.3-105 S %Rec 3/24/2021 11:57:00 AM 58894 **EPA METHOD 8021B: VOLATILES** Analyst: CCM ND 3/24/2021 11:57:00 AM 58894 Benzene 0.018 mg/Kg Toluene 0.063 0.036 mg/Kg 3/24/2021 11:57:00 AM 58894 Ethylbenzene 0.053 0.036 mg/Kg 3/24/2021 11:57:00 AM 58894 Xylenes, Total 0.86 0.073 mg/Kg 3/24/2021 11:57:00 AM 58894 Surr: 4-Bromofluorobenzene 3/24/2021 11:57:00 AM 58894 97.3 80-120 %Rec

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/25/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: West Wall Middle ArcProject:Lat M-11Collection Date: 3/23/2021 12:00:00 PMLab ID:2103B10-009Matrix: MEOH (SOIL)Received Date: 3/24/2021 9:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	3/24/2021 3:08:55 PM	58931
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/24/2021 12:09:03 PM	58924
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/24/2021 12:09:03 PM	58924
Surr: DNOP	102	70-130	%Rec	1	3/24/2021 12:09:03 PM	58924
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	3/24/2021 12:17:00 PM	58894
Surr: BFB	95.9	75.3-105	%Rec	1	3/24/2021 12:17:00 PM	58894
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.017	mg/Kg	1	3/24/2021 12:17:00 PM	58894
Toluene	ND	0.035	mg/Kg	1	3/24/2021 12:17:00 PM	58894
Ethylbenzene	ND	0.035	mg/Kg	1	3/24/2021 12:17:00 PM	58894
Xylenes, Total	ND	0.070	mg/Kg	1	3/24/2021 12:17:00 PM	58894
Surr: 4-Bromofluorobenzene	88.7	80-120	%Rec	1	3/24/2021 12:17:00 PM	58894

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/25/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: West Wall South EndProject:Lat M-11Collection Date: 3/23/2021 11:40:00 AMLab ID:2103B10-010Matrix: MEOH (SOIL)Received Date: 3/24/2021 9:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	3/24/2021 3:21:19 PM	58931
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ТОМ
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/24/2021 12:21:14 PM	58924
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/24/2021 12:21:14 PM	58924
Surr: DNOP	99.0	70-130	%Rec	1	3/24/2021 12:21:14 PM	58924
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	3/24/2021 12:37:00 PM	58894
Surr: BFB	92.8	75.3-105	%Rec	1	3/24/2021 12:37:00 PM	58894
EPA METHOD 8021B: VOLATILES					Analyst	: CCM
Benzene	ND	0.018	mg/Kg	1	3/24/2021 12:37:00 PM	58894
Toluene	ND	0.036	mg/Kg	1	3/24/2021 12:37:00 PM	58894
Ethylbenzene	ND	0.036	mg/Kg	1	3/24/2021 12:37:00 PM	58894
Xylenes, Total	ND	0.072	mg/Kg	1	3/24/2021 12:37:00 PM	58894
Surr: 4-Bromofluorobenzene	88.2	80-120	%Rec	1	3/24/2021 12:37:00 PM	58894

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## **QC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2103B10 25-Mar-21** 

Client: Harvest
Project: Lat M-11

Sample ID: MB-58931 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **58931** RunNo: **76172** 

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2697723 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-58931 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 58931 RunNo: 76172

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2697724 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 95.3 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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#### **OC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

25-Mar-21

2103B10

WO#:

Client: Harvest
Project: Lat M-11

Sample ID: MB-58924 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 58924 RunNo: 76162

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2696655 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) ND 10

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 10 10.00 102 70 130

Sample ID: LCS-58924 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 58924 RunNo: 76162

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2696656 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 51 50.00 103 68.9 141

 Surr: DNOP
 5.0
 5.000
 99.5
 70
 130

Sample ID: MB-58884 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 58884 RunNo: 76175

Prep Date: 3/23/2021 Analysis Date: 3/24/2021 SeqNo: 2696980 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 10 10.00 10.2 70 130

Sample ID: LCS-58884 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS Batch ID: 58884 RunNo: 76175

Prep Date: 3/23/2021 Analysis Date: 3/24/2021 SeqNo: 2696983 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 4.4 5.000 87.8 70 130

Sample ID: 2103B10-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: North Wall Batch ID: 58924 RunNo: 76175

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2696986 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Diesel Range Organics (DRO) 46 45.75 n 101 15 184 Surr: DNOP 4.2 4.575 92 1 70 130

Sample ID: 2103B10-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: North Wall Batch ID: 58924 RunNo: 76175

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2696987 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Diesel Range Organics (DRO) 45 9.3 46.34 0 98.0 15 184 1.68 23.9

#### Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

4.1

WO#: **2103B10 25-Mar-21** 

Client: Harvest
Project: Lat M-11

Surr: DNOP

Sample ID: 2103B10-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: North Wall Batch ID: 58924 RunNo: 76175

Prep Date: 3/24/2021 Analysis Date: 3/24/2021 SeqNo: 2696987 Units: mg/Kg

4.634

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

87.5

130

70

0

0

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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#### **OC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2103B10 25-Mar-21** 

Client: Harvest
Project: Lat M-11

Sample ID: Ics-58894 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 58894 RunNo: 76179 Prep Date: 3/22/2021 Analysis Date: 3/24/2021 SeqNo: 2697092 Units: mq/Kq PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 0 Gasoline Range Organics (GRO) 28 5.0 25.00 111 80 120 Surr: BFB 1100 1000 107 75.3 105 S Sample ID: mb-58894 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 58894 RunNo: 76179 Prep Date: 3/22/2021 Analysis Date: 3/24/2021 SeqNo: 2697093 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 940 1000 93.8 75.3 105

Sample ID: mb-58900 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 58900 RunNo: 76182 Prep Date: 3/23/2021 Analysis Date: 3/24/2021 SeqNo: 2697501 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte PQL HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 940 1000 93.8 75.3 105

Sample ID: Ics-58900 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 58900 RunNo: 76182 Prep Date: 3/23/2021 Analysis Date: 3/24/2021 SeqNo: 2697502 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual Gasoline Range Organics (GRO) 23 5.0 25.00 92.0 80 120 Surr: BFB 1000 1000 99.6 75.3 105

#### Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 15

## **QC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2103B10** 

25-Mar-21

Client: Harvest
Project: Lat M-11

Sample ID: Ics-58894	SampT	Гуре: <b>LC</b>	CS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batcl	h ID: <b>58</b>	894	RunNo: <b>76179</b>								
Prep Date: 3/22/2021	Analysis D	Date: 3/	24/2021	\$	SeqNo: 2	697104	Units: mg/k	ίg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.85	0.025	1.000	0	85.1	80	120					
Toluene	0.85	0.050	1.000	0	85.0	80	120					
Ethylbenzene	0.85	0.050	1.000	0	85.1	80	120					
Xylenes, Total	2.5	0.10	3.000	0	84.8	80	120					
Surr: 4-Bromofluorobenzene	0.89		1.000		89.3	80	120					
Sample ID: <b>mb-58894</b>	SampType: MBLK TestCode: EPA Method 8021B: Volatiles								·			

Sample ID: mb-58894	SampT	Type: ME	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	h ID: <b>58</b>	894	F	RunNo: 7	6179					
Prep Date: 3/22/2021	Analysis D	Date: 3/	24/2021	9	SeqNo: 2	697105	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.89		1.000		88.6	80	120				

Sample ID: <b>mb-58900</b>	SampT	уре: <b>МЕ</b>	: MBLK TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batch	n ID: <b>58</b> 9	D: 58900 RunNo: 76182									
Prep Date: 3/23/2021	Analysis D	ate: 3/	24/2021	8								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120					

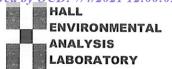
Sample ID: LCS-58900	SampT	ype: <b>LC</b>	S	Tes	tCode: El	8021B: Volat	iles			
Client ID: LCSS	Batcl	n ID: <b>58</b> 9	900	F	RunNo: 7	6182				
Prep Date: 3/23/2021	Analysis D	Date: 3/2	24/2021	S	SeqNo: 2	697545	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.96	0.050	1.000	0	96.1	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	80	120			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

## Sample Log-In Check List

LABORATORY

TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Work Order Number: 2103B10

Client Name: Harvest	Work Order Num	ber: 2103B10		RcptNo: 1	
Received By: Scott Anderson	3/24/2021 9:10:00	AM			
Completed By: Sean Livingston	3/24/2021 9:26:09	AM	Sala	_/	
Reviewed By: ENM	3/24/21		Since	<del>81</del>	
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In					
3. Was an attempt made to cool the sam	ples?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples received at a temper	ature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated	test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) p	roperly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗸	NA $\square$	
9. Received at least 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	10
10. Were any sample containers received	broken?	Yes	No 🗸		
11. Does paperwork match bottle labels? (Note discrepancies on chain of custod	· A	Yes 🗹	_	# of preserved bottles checked for pH:	3 \ 7 4 \ 7 2 unless noted)
12. Are matrices correctly identified on Cha		Yes 🗸	No 🗆	Adjusted?	z uniess noted)
13. Is it clear what analyses were requested	5.	Yes 🗹	No 🗆		
14. Were all holding times able to be met? (If no, notify customer for authorization.		Yes 🗸	No 🗆	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies	with this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date	: [	HARAM MATERIAL STREET,		
By Whom:	Via:	eMail P	hone  Fax [	In Person	
Regarding:			*************************	ANTONIO ANTONI	
Client Instructions:			SWALL BELLEVIA CONTROL OF THE SECOND CONTROL	And a transfer control and a state of the st	
16. Additional remarks:					
17. Cooler Information					
Cooler No Temp °C Condition	Seal Intact   Seal No	Seal Date	Signed By		

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#### NMOCD Site Assessment/Characterization, Remediation & Closure

Site Name: Lateral M-11 Pipeline

API #: not applicable

Lat/Long:	N36.69306 W107.2	3139									
TRS:	TRS: NW/SW-26-29N-4W										
Land Jurisdiction:	USFS										
	Rio Arriba										
Determination made by:		M/Environmental S	cientist								
	3/26/2021	.,									
				l							
Wellhe	ad Protection Area	Assessment:									
	izontal distance from all known water sources within 1/2 mile of the release including private and domestic										
water sources. Water sources are wells, springs or o				ter sources are							
those water sources used by less than five househol	_	1									
Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance							
none within 1/2 mile											
Distance to Nearest S	Significant Waterco	urse (NMAC 19.15.2	29.11A.4)								
Dry Lake Canyon wash is 85 ft to the west											
Depth to Groundy	vater Determinatio	<b>n</b> (NMAC 19.15.29.1	l1A.2)								
Cathodic Report/Site Specific Hydrogeology	none available										
Cathodic Report/Site Specific Hydrogeology	none available										
Elevation Differential	Dry Lake Canyon W	lach is annrovimate	dy 15-20 ft lower in	elevation							
	no registered wells		11y 13-20 It lower III	elevation							
Cathodic Report Nearby Wells	,										
	ceptor Determinat	•									
*If a release occurs within the following areas,			curred less than 50								
ft to Groundwater (NMAC 19.15.29.12C.4):				Yes	No						
<300' of any continuously flowing watercourse	or any other signif	icant watercourse		<b>✓</b>							
<200' of any lakebed, sinkhole or playa lake (m	easured from the C	Ordinary High Water	<sup>r</sup> Mark)		4						
<300' of an occupied permanent residence, sch					7						
<500' of a spring or private/domestic water we	ell used by <5 house	cholds for domestic	or stock watering		7						
purposes											
<1000' of any water well or spring			11.6. 1.1		7						
within incorporated municipal boundaries or w	vithin a defined mu	nicipal fresh water	well field		7						
<300' of a wetland within the area overlying a subsurface mine					<b>√</b>						
within an unstable area					7 7						
within a 100-year floodplain					[2] [4]						
Explain any 'Yes' Marks:					-						
Dry Lake Canyon wash is 85' to the west. No mo	arks - Dry Lake Cany	yon wash does not li	kely meet the criter	ia of a							
jurisdictional wetland, release location is an are				5,							
Actual Depth to Groundwater is:	≤50 <b>√</b>	50-100	>100								
*Treat Depth to Groundwat			400								
Dalagae Antique Laurela aura Dave	≤50	50-100	>100								
Release Action Levels are Benzene	10	10	10								
BTEX (mg/kg)	50	50 1 000	50 1 000								
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000								
8015 TPH (GRO/DRO/MRO) (mg/kg) 100 2,500 2,500 Chloridos (mg/kg) 500 10,000 30,000											
chlorides (mg/kg)	Chlorides (mg/kg) 600 10,000 20,000										



## New Mexico Office of the State Engineer

## **Active & Inactive Points of Diversion**

(with Ownership Information)

No PODs found

UTMNAD83 Radius Search (in meters):

Easting (X): 300649

Northing (Y): 4063144

Radius: 805

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.

OReleas 250 Imaging: 5/11/2022 P.99:13 PM

# Received by OCD: 7/4/2021 12:00:02 AM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** ---- 513---- Base Flood Elevation Line (BFE) Limit of Study **Jurisdiction Boundary** --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

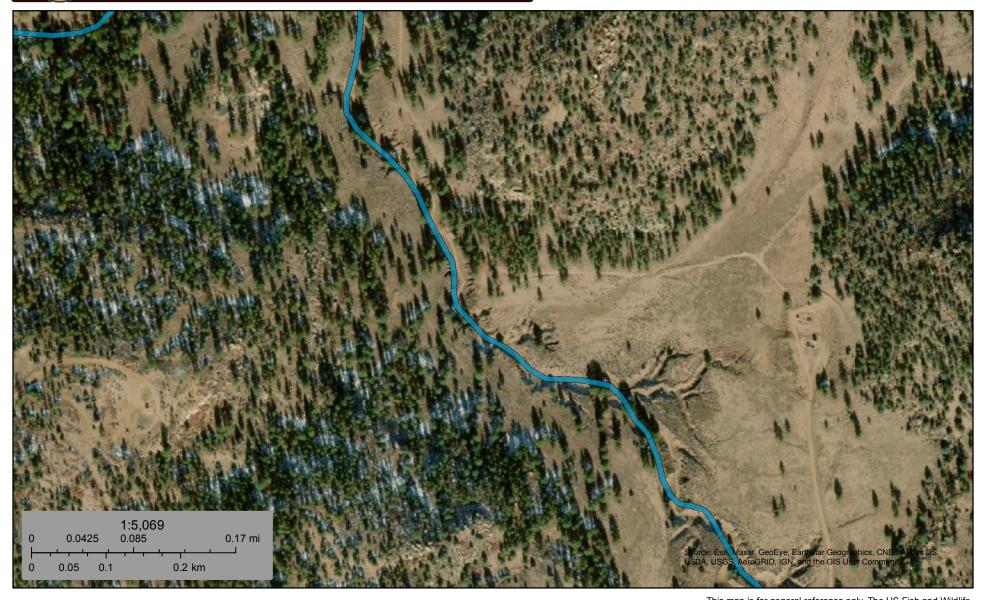
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/26/2021 at 1:50 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





## Lateral M-11 Pipeline



March 26, 2021

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

#### FW: Harvest - Lateral M-11 Line Leak - Immediate Notification (nAPP2102540540)

Angela Ledgerwood <aledgerwood@animasenvironmental.com>

Fri 7/2/2021 1:54 PM

To: David Reese <dreese@animasenvironmental.com>

Angela Ledgerwood Animas Environmental Services, LLC 720-537-6650 mobile

From: Kijun Hong <khong@harvestmidstream.com>

Sent: Thursday, March 18, 2021 10:41 AM

To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Mankiewicz, David J <dmankiew@blm.gov>; Smith, Gary W <g1smith@blm.gov>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Jim Stiffler@harvestmidstream.com>

Cc: Karen Lupton <klupton@animasenvironmental.com>; Monica Smith <msmith@harvestmidstream.com>; Kayleigh Ruybalid <truybalid@harvestmidstream.com>; Angela Ledgerwood <aledgerwood@animasenvironmental.com>; Elizabeth McNally <emcnally@animasenvironmental.com>; Lloyd Bell <lbell@harvestmidstream.com>; Morgan <morgankillion@yahoo.com>; Jim Stiffler <jstiffler@harvestmidstream.com>

Subject: RE: Harvest - Lateral M-11 Line Leak - Immediate Notification (nAPP2102540540)

Sorry for the confusion, but we have rescheduled this to Tuesday (3/23) at 10am.

Thank You, Kijun

From: Kijun Hong

Sent: Wednesday, March 17, 2021 2:46 PM

To: Smith, Cory, EMNRD; Mankiewicz, David J; Smith, Gary W; Griswold, Jim, EMNRD; Jim Stiffler

Cc: Karen Lupton; Monica Smith; Kayleigh Ruybalid; Angela Ledgerwood; McNally, Elizabeth; Lloyd Bell; Morgan; Jim Stiffler; Robert Maxwell - (C)

Subject: Harvest - Lateral M-11 Line Leak - Immediate Notification (nAPP2102540540)

We will be ready to collect confirmation samples at this release location Monday (3/22) at 10am.

Please contact Morgan Killion at (505) 793-1181 to coordinate witnessing.

Thank You, Kijun

From: Kijun Hong

Sent: Wednesday, March 10, 2021 5:50 PM

To: Smith, Cory, EMNRD; Mankiewicz, David J; Smith, Gary W; Griswold, Jim, EMNRD; Jim Stiffler

Cc: Karen Lupton; Monica Smith; Kayleigh Ruybalid; Angela Ledgerwood; McNally, Elizabeth; Lloyd Bell; Morgan

Subject: Re: [EXTERNAL] RE: Harvest - Lateral M-11 Line Leak - Immediate Notification

Please cancel this confirmation sampling.

We ran into delays.

I will make notice again when we are ready.

I apologize for the confusion.

Kijun

On Mar 9, 2021, at 10:34 AM, Kijun Hong < <a href="mailto:khong@harvestmidstream.com">khong@harvestmidstream.com</a>> wrote:

Hey Cory,

The incident # is nAPP2102540540.

The initial C-141 was submitted on 01/29/21.

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]

Sent: Tuesday, March 9, 2021 10:20 AM

To: Kijun Hong; 'Mankiewicz, David J'; 'Smith, Gary W'; Griswold, Jim, EMNRD; Jim Stiffler

Cc: 'Karen Lupton'; Monica Smith; Kayleigh Ruybalid; Angela Ledgerwood; McNally, Elizabeth; Lloyd Bell; Morgan

Subject: [EXTERNAL] RE: Harvest - Lateral M-11 Line Leak - Immediate Notification

Kijun,

Thank you for the notice.. has Harvest submitted the initial C-141 and got an incident# assigned to the release so I can look up the information in our

system?

Cory Smith • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1000 Rio Brazos | Aztec, NM 87410
505.334.6178 x115 | Cory.Smith@state.nm.us

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

From: Kijun Hong < khong@harvestmidstream.com>

Sent: Tuesday, March 9, 2021 7:54 AM

 $\textbf{To: 'Mankiewicz, David J'} < \underline{\underline{\underline{dmankiew@blm.gov}}}; \\ \textbf{Smith, Gary W'} < \underline{\underline{g1smith@blm.gov}}; \\ \textbf{Smith, Cory, EMNRD} < \underline{\underline{Cory.Smith@state.nm.us}}; \\ \textbf{Griswold, Bary W'} < \underline{\underline{g1smith@blm.gov}}; \\ \textbf{Smith, Cory, EMNRD} < \underline{\underline{Cory.Smith@state.nm.us}}; \\ \textbf{Griswold, Bary W'} < \underline{\underline{g1smith@blm.gov}}; \\ \textbf{Smith, Cory, EMNRD} < \underline{\underline{Cory.Smith@state.nm.us}}; \\ \textbf{Griswold, Bary W'} < \underline{\underline{g1smith@blm.gov}}; \\ \textbf{Griswold, Bary W'} < \underline{\underline{g1smith@blm.gov}$ 

Jim, EMNRD < Jim.Griswold@state.nm.us >; Jim Stiffler < jstiffler@harvestmidstream.com >

Cc: 'Karen Lupton' <<u>klupton@animasenvironmental.com</u>>; Monica Smith <<u>msmith@harvestmidstream.com</u>>; Kayleigh Ruybalid <<u>truybalid@harvestmidstream.com</u>>; Angela Ledgerwood <<u>aledgerwood@animasenvironmental.com</u>>; McNally, Elizabeth <<u>emcnally@animasenvironmental.com</u>>; Lloyd Bell <<u>lbell@harvestmidstream.com</u>>; Morgan <<u>morgankillion@yahoo.com</u>>

Subject: [EXT] RE: Harvest - Lateral M-11 Line Leak - Immediate Notification

We are scheduled to pull conformation samples at this release Thursday (3/11) at 1pm.

Please contact Morgan Killion (505) 793-1181 to coordinate witnessing.

Thank You, Kijun

From: Kijun Hong

Sent: Monday, January 18, 2021 3:10 PM

To: Mankiewicz, David J; Smith, Gary W; Smith, Cory, EMNRD; 'Griswold, Jim, EMNRD'; Jim Stiffler

Cc: Karen Lupton; Monica Smith; Kayleigh Ruybalid

Subject: Harvest - Lateral M-11 Line Leak - Immediate Notification

Harvest had a Major Release on our Lateral M-11 Pipeline (36.693056, -107.231389) which was discovered today 1/18/2021.

Initial gas loss estimates came in at 2,250.6 Mscf.

Liquids loss is estimated at 20 gallons of produced water and 10 gallons of condensate and reached the dry wash to the southwest.

There were no fires, injuries, and no emergency services were dispatched in association with this release. The line has been isolated and clean-up crew is onsite.

Please let this serve and immediate notification. Further details to follow.

This release occurred in the Carson National Forest.

Thank You, Kijun

<image003.png>

Kijun Hong | Harvest Midstream Company | Environmental Specialist | Four Corners Office: 505-632-4475 | Cell: 505-436-8457 | 1755 Arroyo Dr., Bloomfield, NM 87413

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 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

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** 

CONDITIONS

Action 34864

#### **CONDITIONS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	34864
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	5/11/2022