

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	NCS 1929556371
District RP	
Facility ID	
Application ID	

Closure

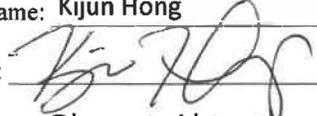
DENIED

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.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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.

Printed Name: Kijun Hong Title: Environmental Specialist
 Signature:  Date: 2/13/2020
 email: khong@harvestmidstream.com Telephone: 505-632-4475

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: **DENIED** _____ Date: _____

Printed Name: _____ Title: _____

- * Incomplete C-141 (No front page)
 - * Closure Report does not meet the requirements of 19.15.29 NMAC
 - No executive summary
 - No sampling notification
- Please submit a modified closure report no later than 9/15/2020

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? 19.15.29.7(A)(2a): results in a fire or is the release of a fire
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice, by Kijun Hong to Cory Smith and Jim Griswold on September 28, 2019, via email	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" 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: No recoverable materials and no free liquids to remove. Soil samples were collected from the excavation base and sidewalls and submitted for laboratory analysis. Results were all below laboratory detection limits. Lab results are attached.
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: <u>Kijun Hong</u> Title: <u>Environmental Specialist</u> Signature: _____ Date: _____ email: <u>khong@harvestmidstream.com</u> Telephone: <u>505-632-4475</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
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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?	> 100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- 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.

Incident ID	
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Printed Name: Kijun Hong Title: Environmental Specialist

Signature: _____ Date: _____

email: khong@harvestmidstream.com Telephone: 505-632-4475

OCD Only

Received by: _____ Date: _____

Incident ID	NCS 1927549428
District RP	
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.

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Printed Name: Kijun Hong Title: Environmental Specialist
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OCD Only

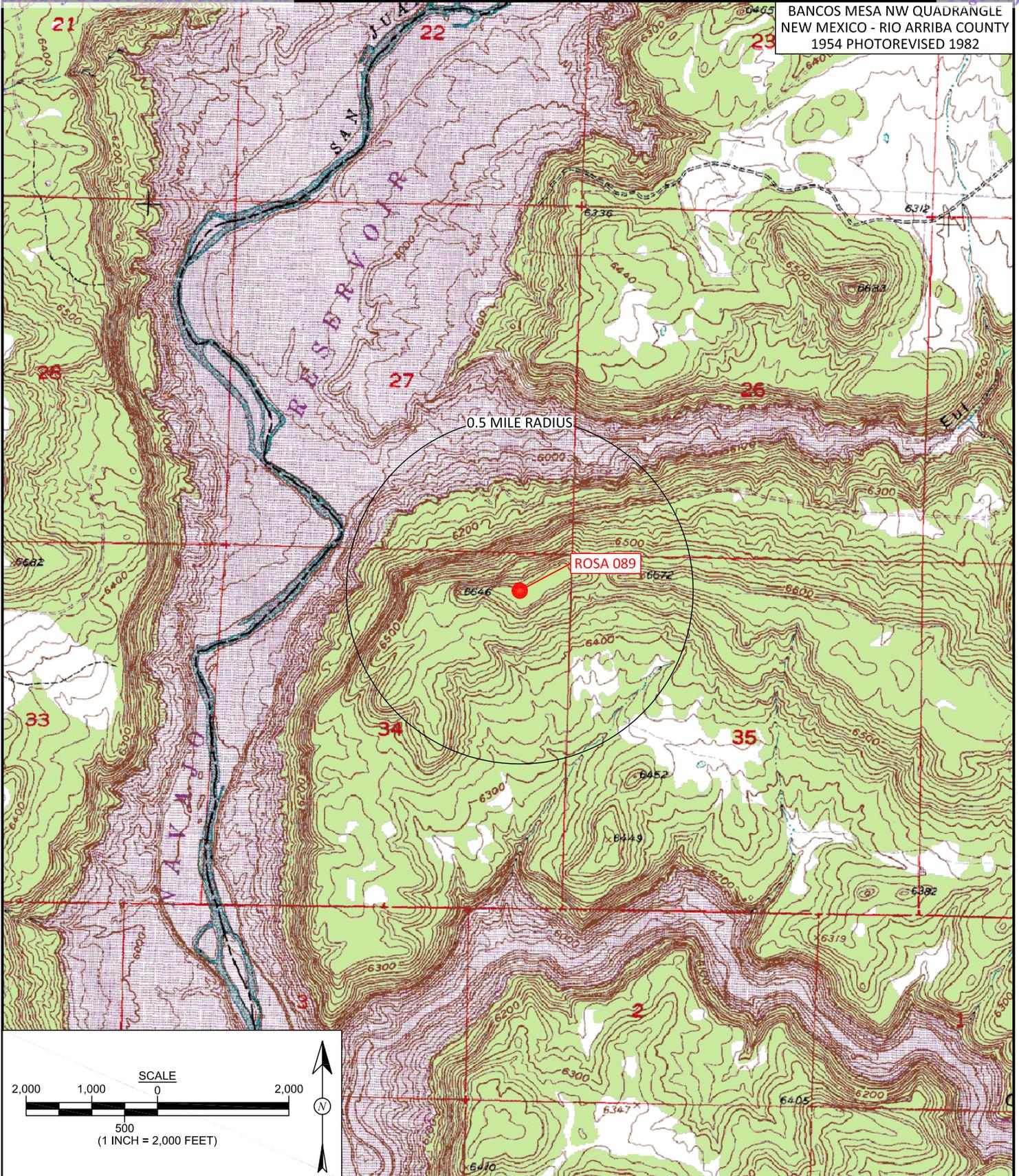
Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

BANCOS MESA NW QUADRANGLE
NEW MEXICO - RIO ARRIBA COUNTY
1954 PHOTOREVISED 1982



DRAWN BY: C. Lameman	DATE DRAWN: October 2, 2019
REVISIONS BY: C. Lameman	DATE REVISED: October 2, 2019
CHECKED BY: E. McNally	DATE CHECKED: October 2, 2019
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2019

FIGURE 1

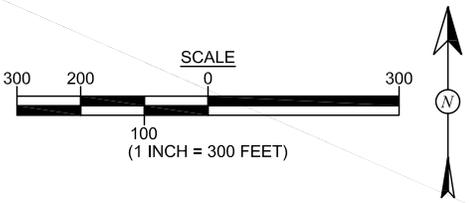
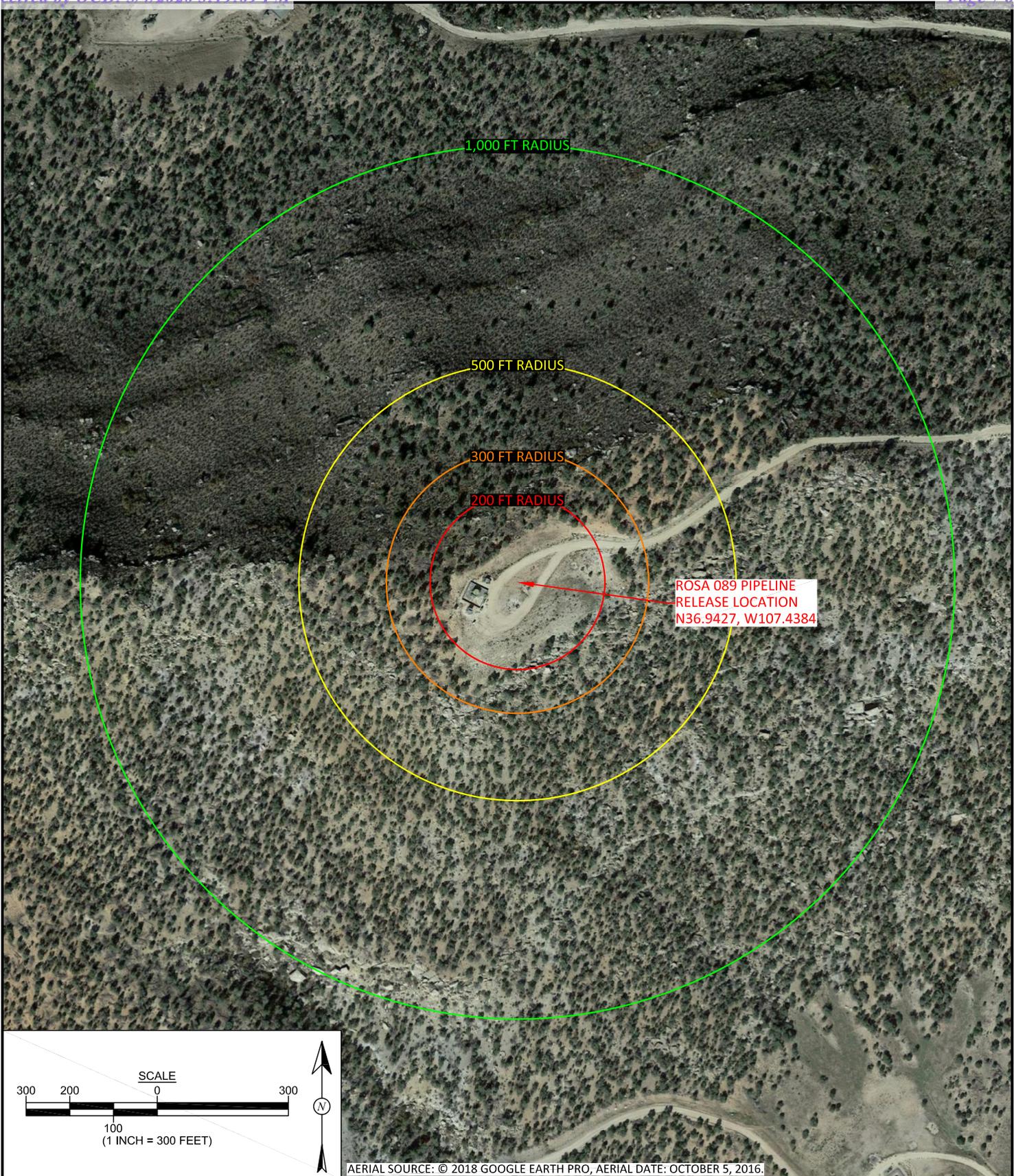
TOPOGRAPHIC SITE LOCATION MAP

HARVEST MIDSTREAM
ROSA 089
NE¼ NE¼, SECTION 34, T32N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.9427, W107.4384



animas
environmental
services

Farmington, NM • Durango, CO
animasenvironmental.com



AERIAL SOURCE: © 2018 GOOGLE EARTH PRO, AERIAL DATE: OCTOBER 5, 2016.

 <p>animas environmental services Farmington, NM • Durango, CO animasenvironmental.com</p>	<p>DRAWN BY: C. Lameman</p>	<p>DATE DRAWN: October 2, 2019</p>	<p>FIGURE 2</p> <p>AERIAL SITE LOCATION MAP HARVEST MIDSTREAM ROSA 089 NE¼ NE¼, SECTION 34, T32N, R6W RIO ARriba COUNTY, NEW MEXICO N36.9427, W107.4384</p>
	<p>REVISIONS BY: C. Lameman</p>	<p>DATE REVISED: October 2, 2019</p>	
	<p>CHECKED BY: E. McNally</p>	<p>DATE CHECKED: October 2, 2019</p>	
	<p>APPROVED BY: E. McNally</p>	<p>DATE APPROVED: October 2, 2019</p>	



 <p>animas environmental services Farmington, NM • Durango, CO animasenvironmental.com</p>	<p>DRAWN BY: C. Lameman</p>	<p>DATE DRAWN: February 11, 2020</p>	<p>FIGURE 3</p> <p>EXCAVATION AREA MAP AND SOIL SAMPLE LOCATIONS HARVEST MIDSTREAM ROSA 089 NE¼ NE¼, SECTION 34, T32N, R6W RIO ARRIBA COUNTY, NEW MEXICO N36.9427, W107.4384</p>
	<p>REVISIONS BY: C. Lameman</p>	<p>DATE REVISED: February 11, 2020</p>	
	<p>CHECKED BY: E. McNally</p>	<p>DATE CHECKED: February 11, 2020</p>	
	<p>APPROVED BY: E. McNally</p>	<p>DATE APPROVED: February 11, 2020</p>	



NMOCD Site Assessment/Characterization, Remediation & Closure

Site Name:	Rosa 089 MV Pipeline
API #:	not applicable
Lat/Long:	36.94278 -107.43843
TRS:	NE/NE-34-32N-6W
Land Jurisdiction:	Federal - BLM
County:	Rio Arriba
Determination made by:	DR
Date:	1/21/2020

Wellhead Protection Area Assessment:
Determine the horizontal 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 other sources of fresh water extraction. Private and domestic water sources are those water sources used by less than five households for domestic or stock purposes. (NMAC 19.15.29.11A.3)

Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance
none within 1/2 mile				

Distance to Nearest Significant Watercourse (NMAC 19.15.29.11A.4)
 Navajo Lake is 1650 ft to the north

Depth to Groundwater Determination (NMAC 19.15.29.11A.2)

Cathodic Report/Site Specific Hydrogeology	none available
Elevation Differential	approximately 585' higher than Navajo Lake
Water Wells	no registered wells in vicinity
Cathodic Report Nearby Wells	none available for nearby wells

Sensitive Receptor Determination

**If a release occurs within the following areas, the RP must treat the release as if it occurred less than 50 ft to Groundwater (NMAC 19.15.29.12C.4):*

	Yes	No
<300' of any continuously flowing watercourse or any other significant watercourse	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of an occupied permanent residence, school, hospital, institution or church	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<1000' of any water well or spring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within incorporated municipal boundaries or within a defined municipal fresh water well field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of a wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within the area overlying a subsurface mine	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within an unstable area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within a 100-year floodplain	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Explain any 'Yes' Marks:

Actual Depth to Groundwater is:	≤50 <input type="checkbox"/>	50-100 <input type="checkbox"/>	>100 <input checked="" type="checkbox"/>
*Treat Depth to Groundwater as if it's ≤ 50 ft?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
	≤50	50-100	>100
Release Action Levels are... Benzene	10	10	10
BTEX (mg/kg)	50	50	50
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000
8015 TPH (GRO/DRO/MRO) (mg/kg)	100	2,500	2,500
Chlorides (mg/kg)	600	10,000	20,000

NMAC 19.15.29.12 Table I. Release Action Levels are determined by the depth below bottom of pit to groundwater.



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 34 **Township:** 32N **Range:** 06W

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.

2/11/20 3:18 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Rosa 89
NMOCD Incident No. NCS 1929556371
Pipeline Excavation Clearance



Photo 1: Excavation Area (21' x 11' x 5' to 6' deep).



Photo 2: Composite Sample SC-1. North Wall. Sample points 1 through 3.

Rosa 89
NMOCD Incident No. NCS 1929556371
Pipeline Excavation Clearance



Photo 3: Composite Sample SC-1. North and West Wall. Sample points 4 through 6.



Photo 4: Composite Sample SC-2. South Wall. Sample points 1 through 4.

Rosa 89
NMOCD Incident No. NCS 1929556371
Pipeline Excavation Clearance



Photo 5: Composite Sample SC-2. East and South Wall. Sample points 3 through 6.



Photo 6: Composite Sample SC-3. Base. Sample points 1, 2, and 6.

Rosa 89
NMOCD Incident No. NCS 1929556371
Pipeline Excavation Clearance



Photo 7: Composite Sample SC-3. Base. Sample points 3 through 5.



Rosa 089 Wetlands



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

February 11, 2020

Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Pond
- Other
- Riverine

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.



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

February 10, 2020

Elizabeth McNally
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: Harvest Midstream Rosa 89

OrderNo.: 2002280

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/7/2020 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2002280

Date Reported: 2/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: Harvest Midstream Rosa 89

Collection Date: 2/6/2020 10:40:00 AM

Lab ID: 2002280-001

Matrix: SOIL

Received Date: 2/7/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	65	60		mg/Kg	20	2/7/2020 1:31:10 PM	50328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/7/2020 12:53:13 PM	50322
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2020 12:53:13 PM	50322
Surr: DNOP	97.5	55.1-146		%Rec	1	2/7/2020 12:53:13 PM	50322
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	2/7/2020 11:49:12 AM	50313
Surr: BFB	80.7	66.6-105		%Rec	1	2/7/2020 11:49:12 AM	50313
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.021		mg/Kg	1	2/7/2020 11:49:12 AM	50313
Toluene	ND	0.042		mg/Kg	1	2/7/2020 11:49:12 AM	50313
Ethylbenzene	ND	0.042		mg/Kg	1	2/7/2020 11:49:12 AM	50313
Xylenes, Total	ND	0.085		mg/Kg	1	2/7/2020 11:49:12 AM	50313
Surr: 4-Bromofluorobenzene	89.3	80-120		%Rec	1	2/7/2020 11:49:12 AM	50313

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2002280**

Date Reported: **2/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: Harvest Midstream Rosa 89

Collection Date: 2/6/2020 10:45:00 AM

Lab ID: 2002280-002

Matrix: SOIL

Received Date: 2/7/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/7/2020 1:43:30 PM	50328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/7/2020 1:02:27 PM	50322
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/7/2020 1:02:27 PM	50322
Surr: DNOP	95.7	55.1-146		%Rec	1	2/7/2020 1:02:27 PM	50322
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2020 12:12:40 PM	50313
Surr: BFB	85.0	66.6-105		%Rec	1	2/7/2020 12:12:40 PM	50313
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/7/2020 12:12:40 PM	50313
Toluene	ND	0.047		mg/Kg	1	2/7/2020 12:12:40 PM	50313
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2020 12:12:40 PM	50313
Xylenes, Total	ND	0.093		mg/Kg	1	2/7/2020 12:12:40 PM	50313
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	2/7/2020 12:12:40 PM	50313

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2002280

Date Reported: 2/10/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-3

Project: Harvest Midstream Rosa 89

Collection Date: 2/6/2020 10:51:00 AM

Lab ID: 2002280-003

Matrix: SOIL

Received Date: 2/7/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	110	60		mg/Kg	20	2/7/2020 1:55:51 PM	50328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	11	9.9		mg/Kg	1	2/7/2020 1:11:41 PM	50322
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2020 1:11:41 PM	50322
Surr: DNOP	103	55.1-146		%Rec	1	2/7/2020 1:11:41 PM	50322
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/7/2020 12:36:14 PM	50313
Surr: BFB	81.8	66.6-105		%Rec	1	2/7/2020 12:36:14 PM	50313
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/7/2020 12:36:14 PM	50313
Toluene	ND	0.049		mg/Kg	1	2/7/2020 12:36:14 PM	50313
Ethylbenzene	ND	0.049		mg/Kg	1	2/7/2020 12:36:14 PM	50313
Xylenes, Total	ND	0.099		mg/Kg	1	2/7/2020 12:36:14 PM	50313
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	2/7/2020 12:36:14 PM	50313

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002280

10-Feb-20

Client: Animas Environmental Services**Project:** Harvest Midstream Rosa 89

Sample ID: MB-50328	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 50328	RunNo: 66427								
Prep Date: 2/7/2020	Analysis Date: 2/7/2020	SeqNo: 2282379	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-50328	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 50328	RunNo: 66427								
Prep Date: 2/7/2020	Analysis Date: 2/7/2020	SeqNo: 2282380	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	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 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2002280

10-Feb-20

Client: Animas Environmental Services

Project: Harvest Midstream Rosa 89

Sample ID: MB-50322	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 50322	RunNo: 66379								
Prep Date: 2/7/2020	Analysis Date: 2/7/2020	SeqNo: 2281223	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.0	55.1	146			

Sample ID: LCS-50322	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 50322	RunNo: 66379								
Prep Date: 2/7/2020	Analysis Date: 2/7/2020	SeqNo: 2281224	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	70	130			
Surr: DNOP	4.4		5.000		87.4	55.1	146			

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002280

10-Feb-20

Client: Animas Environmental Services**Project:** Harvest Midstream Rosa 89

Sample ID: ics-50313	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 50313	RunNo: 66388								
Prep Date: 2/6/2020	Analysis Date: 2/7/2020	SeqNo: 2282531	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.2	80	120			
Surr: BFB	920		1000		92.1	66.6	105			

Sample ID: mb-50313	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 50313	RunNo: 66388								
Prep Date: 2/6/2020	Analysis Date: 2/7/2020	SeqNo: 2282532	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	840		1000		84.4	66.6	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 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

QC SUMMARY REPORT

WO#: 2002280

Hall Environmental Analysis Laboratory, Inc.

10-Feb-20

Client: Animas Environmental Services**Project:** Harvest Midstream Rosa 89

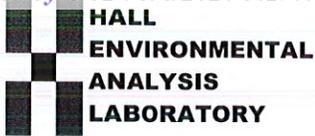
Sample ID: LCS-50313	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 50313	RunNo: 66388								
Prep Date: 2/6/2020	Analysis Date: 2/7/2020	SeqNo: 2282556	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.94	0.050	1.000	0	94.5	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	80	120			

Sample ID: mb-50313	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 50313	RunNo: 66388								
Prep Date: 2/6/2020	Analysis Date: 2/7/2020	SeqNo: 2282557	Units: mg/Kg							
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	0.96		1.000		95.6	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 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



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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **2002280** RcptNo: **1**

Received By: **Desiree Dominguez** 2/7/2020 8:00:00 AM

Completed By: **Leah Baca** 2/7/2020 8:20:16 AM

Reviewed By: **DAD 2-7-20**

DD
Leah Baca

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature 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) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels?
 (Note discrepancies on chain of custody) Yes No
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met?
 (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *SR 2/7/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				

Chain-of-Custody Record

Client: Animas Environmental Services
 Mailing Address: 624 E. Comanche St.,
Farrington NM 87401
 Phone #: 505.564.2281
 email or Fax#: emenv@animasenvironmental.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) _____

Turn-Around Time: 2

Standard Rush 2-Day TAT
 Project Name: Harvest Midstream
Rosa B9

Project #: _____

Project Manager: Elizabeth McNulty / Karen Lupton

Sampler: CL & GB

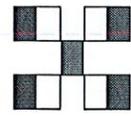
On Ice: Yes No

of Coolers: 1

Cooler Temp (including CP): 0.3 + 0.0 = 0.3°C

Container Type and # 2-4oz jars Preservative Type 2-Cool HEAL No. 2002280

Date	Time	Matrix	Sample Name
2-6-20	10:40	Soil	SC-1
2-6-20	10:45	Soil	SC-2
2-6-20	10:51	Soil	SC-3



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Analysis Request

Analysis Request	TPH:8015D(GRO / DRO / MRO)	BTEX / MTBE / TMS (8021)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
	X	X								X (Clonides (300.0))
	X	X								X
	X	X								X

Remarks:

Date: 2/6/20 Relinquished by: [Signature] Received by: Christine Waters Date: 2/6/20 Time: 10:51
 Date: 2/6/20 Relinquished by: [Signature] Received by: [Signature] Date: 2/7/20 Time: 8:00