



Northeast Blanco Unit #247 – Incident nAPP2502370622

History: On 1/11/2025 a produced water release was called into the BLM by a hunter who then notified IKAV/SIMCOE. Upon investigation IKAV identified a valve on the wellhead tubing line had frozen, causing it to split and leak produced water to the ground. IKAV installed a berm around the wellhead in order to recover released water with a water truck until the release could be stopped.

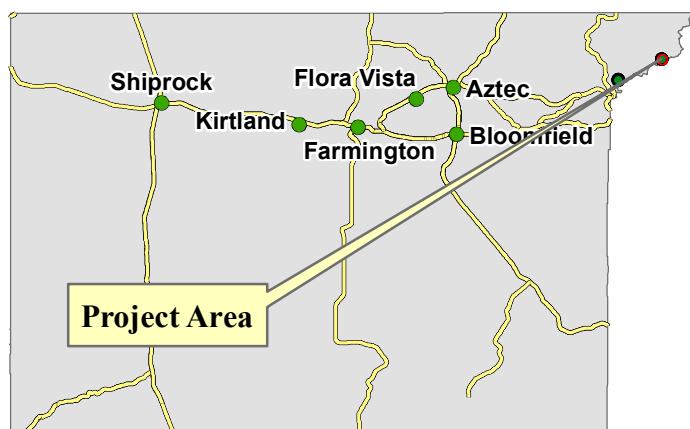
Sampling and Site Assessment: On 2/6/2025 Cottonwood consulting along with IKAV was onsite to complete initial soil sampling and site assessment. Seven soil samples were collected within the release area and the outer boundary of the spill area. One sample returned outside of the Table 1 parameters, failing high for TPH(DRO,ORO). See pages 2-26.

On 3/24/2025 one additional 5-point composite sample (SS08) was collected from the excavation of SS06, which is the area of failed initial sampling. Approximately 10 yards of contaminated soil were removed and hauled to the land farm, with the sample taking place after the dig.

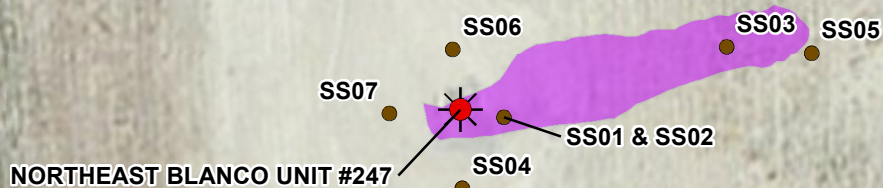
The final sample results determined the impacted materials have been removed from the location. See attached sample results on page 32 of this report.

Remediation: On 3/24/2025 a roustabout crew was on location to remove approximately 10 yards of contaminated soil from the area of SS06. Before the dig area was backfilled with clean fill dirt a 5-point composite sample was taken from the depth of the dig area. See page 31 of this report.

Conclusion: The final sample results indicate that the contaminated soil was removed from location in both areas that failed the Table 1 parameters. SIMCOE is asking for closure on this release.





San Juan County, New Mexico



Notes: All samples collected 2/6/2025.

Legend

-  Oil & Gas Wells
-  Soil Sample
-  Release Area (2/6/2025)

Cottonwood
CONSULTING

Mapping by: K. O'Brien, 2/7/2025
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: Sec 20 T31N R6W NMPM

NEBU #247
Project Map
Simcoe LLC



NEBU #247
Photographic Log
Simcoe LLC



Photo 1: NEBU #247 well sign.



Photo 2: Overall site.



NEBU #247
Photographic Log
Simcoe LLC



Photo 3: SS01 collected as a vertical delineation grab sample 3.5 feet below ground surface, adjacent to the point of release.

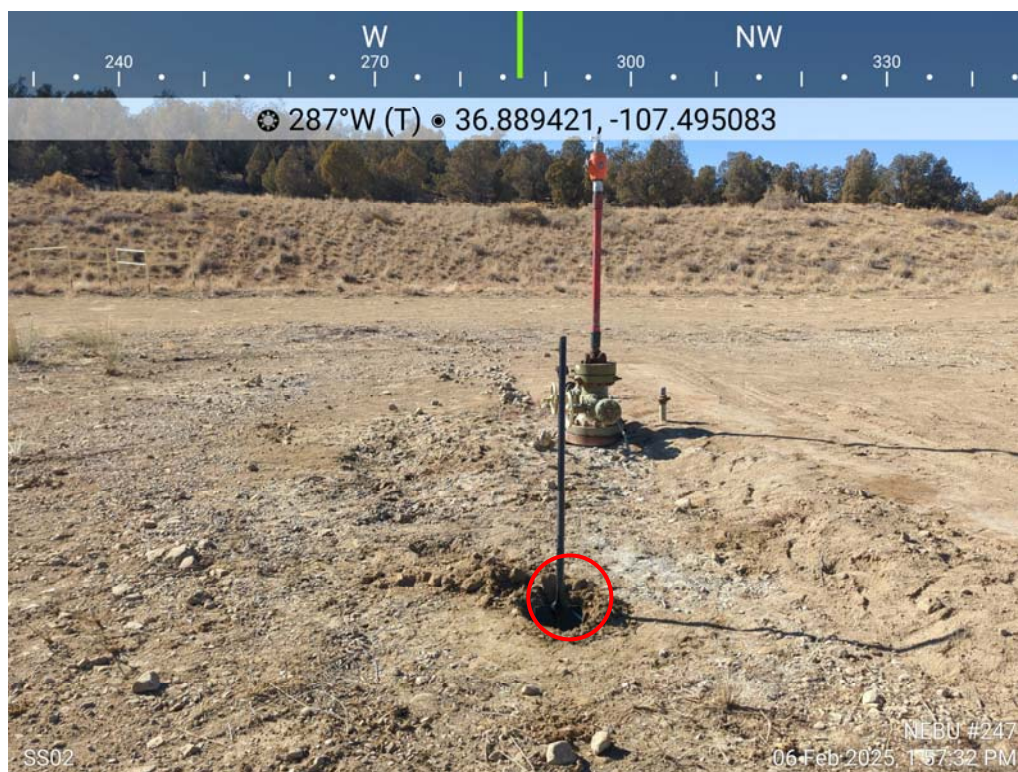


Photo 4: SS02 collected as a vertical delineation grab sample 0-1 feet below ground surface, adjacent to the point of release.



NEBU #247
Photographic Log
Simcoe LLC

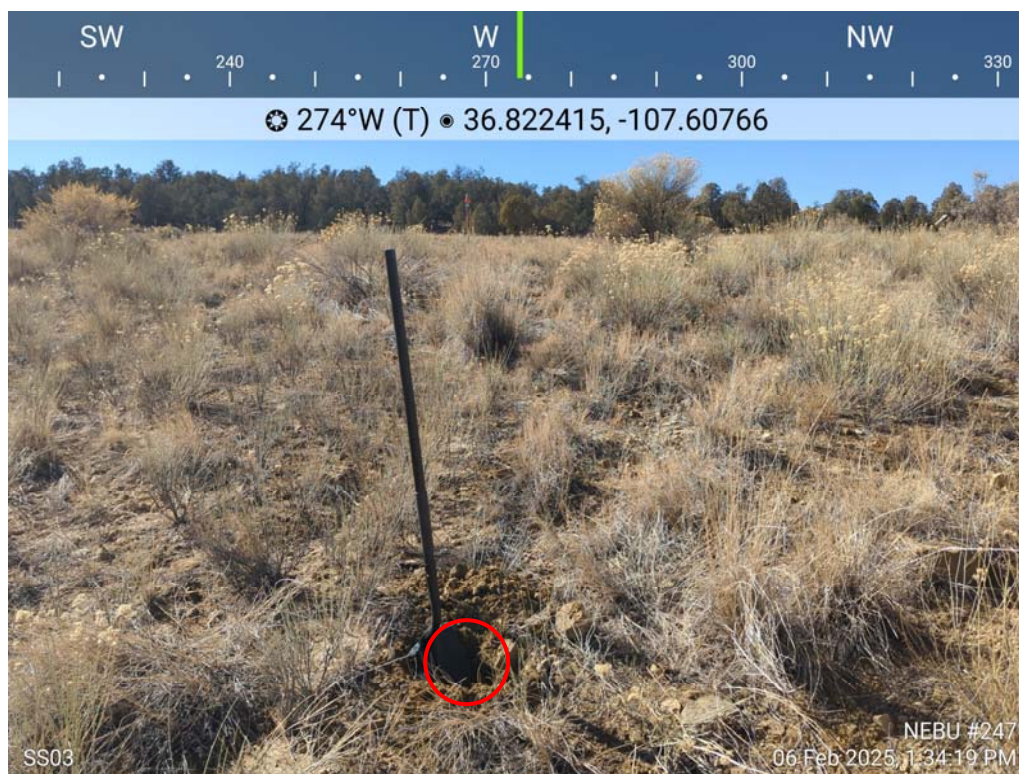


Photo 5: SS03 collected as a grab sample from within the flowpath.



Photo 6: SS04 collected as a grab sample south of the flowpath.



NEBU #247
Photographic Log
Simcoe LLC



Photo 7: SS05 collected as a grab sample east of the flowpath.



Photo 8: SS06 collected as a grab sample north of the flowpath.



NEBU #247
Photographic Log
Simcoe LLC



Photo 9: SS07 collected as a grab sample west of the flowpath.



Soil Sampling Results
NEBU #247
Simcoe LLC

Parameter	SS01 2/6/2025 Point of Release	SS02 2/6/2025 Point of Release	SS03 2/6/2025 Flowpath	SS04 2/6/2025 South of Flowpath	SS05 2/6/2025 East of Flowpath	SS06 2/6/2025 North of Flowpath	SS07 2/6/2025 West of Flowpath	Units
Depth	3.5	0-1	0-1	0-1	0-1	0-1	0-1	feet bgs
Field, PID	0.1	0.2	0.2	0.1	0.3	0.1	0.2	ppm
Chloride	<20.0	173	211	<20.0	<20.0	<20.0	<20.0	mg/kg
Benzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	mg/kg
Toluene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	mg/kg
Ethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	mg/kg
Total Xylenes	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	mg/kg
Total BTEX	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	mg/kg
TPH (GRO)	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	mg/kg
TPH (DRO)	<25.0	<25.0	<25.0	<25.0	<25.0	41.1	<25.0	mg/kg
TPH (EXT DRO)	<50.0	<50.0	<50.0	<50.0	<50.0	71.0	<50.0	mg/kg
Total TPH	<95.0	<95.0	<95.0	<95.0	<95.0	112.1	<95.0	mg/kg

Notes: All samples collected as grab samples

PID - Photoionization Detector

BTEX - Benzene, Toluene, Ethylbenzene, & Total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

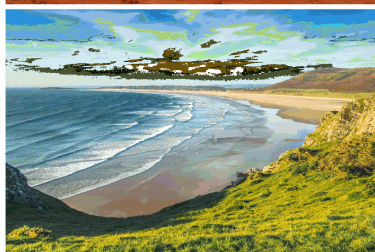
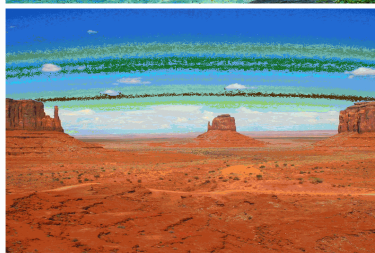
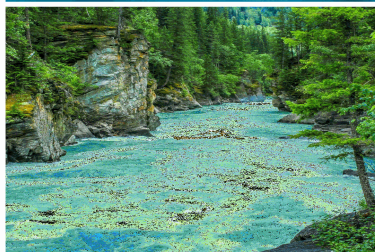
ppm - parts per million

bgs - below ground surface

mg/kg - milligrams per kilogram

Values reported below the laboratory detection limit are considered zero in Total TPH calculations.

Report to:
Kyle Siesser



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Cottonwood Consulting

Project Name: NEBU #247

Work Order: E502060

Job Number: 20035-C-0001

Received: 2/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/13/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/13/25

Kyle Siesser
PO Box 1653
Durango, CO 81302



Project Name: NEBU #247
Workorder: E502060
Date Received: 2/7/2025 12:15:00PM

Kyle Siesser,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2025 12:15:00PM, under the Project Name: NEBU #247.

The analytical test results summarized in this report with the Project Name: NEBU #247 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Cottonwood Consulting	Project Name:	NEBU #247	Reported:
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	02/13/25 08:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01	E502060-01A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.
SS02	E502060-02A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.
SS03	E502060-03A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.
SS04	E502060-04A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.
SS05	E502060-05A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.
SS06	E502060-06A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.
SS07	E502060-07A	Soil	02/06/25	02/07/25	Glass Jar, 4 oz.



Sample Data

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project Name: NEBU #247
Project Number: 20035-C-0001
Project Manager: Kyle Siesser

Reported:
2/13/2025 8:53:42AM

SS01

E502060-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2507006	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/10/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		02/10/25	02/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2507013	
Chloride	ND	20.0	1	02/10/25	02/10/25	



Sample Data

Cottonwood Consulting	Project Name:	NEBU #247	Reported: 2/13/2025 8:53:42AM
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	

SS02

E502060-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID	84.8 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.6 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2507006	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/10/25	
Surrogate: n-Nonane	115 %	61-141		02/10/25	02/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2507013	
Chloride	173	20.0	1	02/10/25	02/10/25	



Sample Data

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project Name: NEBU #247
Project Number: 20035-C-0001
Project Manager: Kyle Siesser

Reported:
2/13/2025 8:53:42AM

SS03

E502060-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.6 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2507006	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/10/25	
<i>Surrogate: n-Nonane</i>						
	118 %	61-141		02/10/25	02/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2507013	
Chloride	211	20.0	1	02/10/25	02/10/25	



Sample Data

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project Name: NEBU #247
Project Number: 20035-C-0001
Project Manager: Kyle Siesser

Reported:
2/13/2025 8:53:42AM

SS04

E502060-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507001
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.9 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507001
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507006
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/10/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		02/10/25	02/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2507013
Chloride	ND	20.0	1	02/10/25	02/10/25	



Sample Data

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project Name: NEBU #247
Project Number: 20035-C-0001
Project Manager: Kyle Siesser

Reported:
2/13/2025 8:53:42AM

SS05

E502060-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2507006	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	02/10/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2507013	
Chloride	ND	20.0	1	02/10/25	02/10/25	



Sample Data

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project Name: NEBU #247
Project Number: 20035-C-0001
Project Manager: Kyle Siesser

Reported:
2/13/2025 8:53:42AM

SS06

E502060-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.7 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2507006	
Diesel Range Organics (C10-C28)	41.1	25.0	1	02/10/25	02/10/25	
Oil Range Organics (C28-C36)	71.0	50.0	1	02/10/25	02/10/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/10/25	02/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2507013	
Chloride	ND	40.0	2	02/10/25	02/10/25	



Sample Data

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project Name: NEBU #247
Project Number: 20035-C-0001
Project Manager: Kyle Siesser

Reported:
2/13/2025 8:53:42AM

SS07

E502060-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.5 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.2 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2507006	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/10/25	
<i>Surrogate: n-Nonane</i>	110 %	61-141		02/10/25	02/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2507013	
Chloride	ND	20.0	1	02/10/25	02/10/25	



QC Summary Data

Cottonwood Consulting	Project Name:	NEBU #247	Reported:
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	2/13/2025 8:53:42AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507001-BLK1)

Prepared: 02/10/25 Analyzed: 02/10/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	5.81		8.00		72.7	70-130			

LCS (2507001-BS1)

Prepared: 02/10/25 Analyzed: 02/10/25

Benzene	4.32	0.0250	5.00		86.3	70-130			
Ethylbenzene	4.32	0.0250	5.00		86.5	70-130			
Toluene	4.38	0.0250	5.00		87.7	70-130			
o-Xylene	4.30	0.0250	5.00		85.9	70-130			
p,m-Xylene	8.80	0.0500	10.0		88.0	70-130			
Total Xylenes	13.1	0.0250	15.0		87.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.14		8.00		76.7	70-130			

LCS Dup (2507001-BSD1)

Prepared: 02/10/25 Analyzed: 02/10/25

Benzene	4.53	0.0250	5.00		90.6	70-130	4.88	20	
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130	4.89	20	
Toluene	4.59	0.0250	5.00		91.7	70-130	4.51	20	
o-Xylene	4.47	0.0250	5.00		89.4	70-130	4.01	20	
p,m-Xylene	9.22	0.0500	10.0		92.2	70-130	4.70	20	
Total Xylenes	13.7	0.0250	15.0		91.3	70-130	4.47	20	
Surrogate: 4-Bromochlorobenzene-PID	6.21		8.00		77.6	70-130			



QC Summary Data

Cottonwood Consulting	Project Name:	NEBU #247	Reported:
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	2/13/2025 8:53:42AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507001-BLK1) Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.9	70-130			

LCS (2507001-BS2) Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			

LCS Dup (2507001-BSD2) Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.4	70-130	0.180	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.05		8.00		101	70-130			



QC Summary Data

Cottonwood Consulting	Project Name:	NEBU #247	Reported:
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	2/13/2025 8:53:42AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507006-BLK1)					Prepared: 02/10/25 Analyzed: 02/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	61-141			

LCS (2507006-BS1)					Prepared: 02/10/25 Analyzed: 02/10/25				
Diesel Range Organics (C10-C28)	259	25.0	250		104	66-144			
Surrogate: n-Nonane	54.8		50.0		110	61-141			

Matrix Spike (2507006-MS1)					Source: E502060-05		Prepared: 02/10/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	57.9		50.0		116	61-141			

Matrix Spike Dup (2507006-MSD1)					Source: E502060-05		Prepared: 02/10/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	10.6	20	
Surrogate: n-Nonane	52.4		50.0		105	61-141			



QC Summary Data

Cottonwood Consulting	Project Name:	NEBU #247	Reported:
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	2/13/2025 8:53:42AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2507013-BLK1)					Prepared: 02/10/25 Analyzed: 02/10/25				
Chloride	ND	20.0							
LCS (2507013-BS1)					Prepared: 02/10/25 Analyzed: 02/10/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2507013-MS1)					Source: E502060-04		Prepared: 02/10/25 Analyzed: 02/10/25		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2507013-MSD1)					Source: E502060-04		Prepared: 02/10/25 Analyzed: 02/10/25		
Chloride	252	20.0	250	ND	101	80-120	0.293	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Cottonwood Consulting	Project Name:	NEBU #247	
PO Box 1653	Project Number:	20035-C-0001	Reported:
Durango CO, 81302	Project Manager:	Kyle Siesser	02/13/25 08:53

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 1

Client: Cottonwood Consulting				Bill To		Lab Use Only				TAT				EPA Program	
Project: NEBU #247				Attention:		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Kyle Siesser				Address:		E502060		20035-L-0001					X		
Address: PO Box 1653				City, State, Zip		Analysis and Method									RCRA
City, State, Zip Durango, CO 81302				Phone:		DRO 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				
Phone: 970-764-7356				Email:											
Email: ksiesser@cottonwoodconsulting.com				Report due by:											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				Remarks
1310	2/6/25	Soil	1	SS01	1	✓	✓	✓		✓					
1300	2/6/25	Soil	1	SS02	2	↓	↓	↓		↓					
1250	2/6/25	Soil	1	SS03	3	↓	↓	↓		↓					
1240	2/6/25	Soil	1	SS04	4	↓	↓	↓		↓					
1230	2/6/25	Soil	1	SS05	5	↓	↓	↓		↓					
1220	2/6/25	Soil	1	SS06	6	↓	↓	↓		↓					
1210	2/6/25	Soil	1	SS07	7	↓	↓	↓		↓					
Additional Instructions: please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															
Relinquished by: (Signature)						Received by: (Signature)						Lab Use Only			
Date 2/7/25						Time 12:15						Received on ice: Y / N			
Relinquished by: (Signature)						Received by: (Signature)						T1 T2 T3			
Relinquished by: (Signature)						Received by: (Signature)						AVG Temp °C 4			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

Envirotech Analytical Laboratory

Printed: 2/7/2025 1:38:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Cottonwood Consulting	Date Received:	02/07/25 12:15	Work Order ID:	E502060
Phone:	970-764-7356	Date Logged In:	02/07/25 13:30	Logged In By:	Noe Soto
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	02/14/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: DSComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

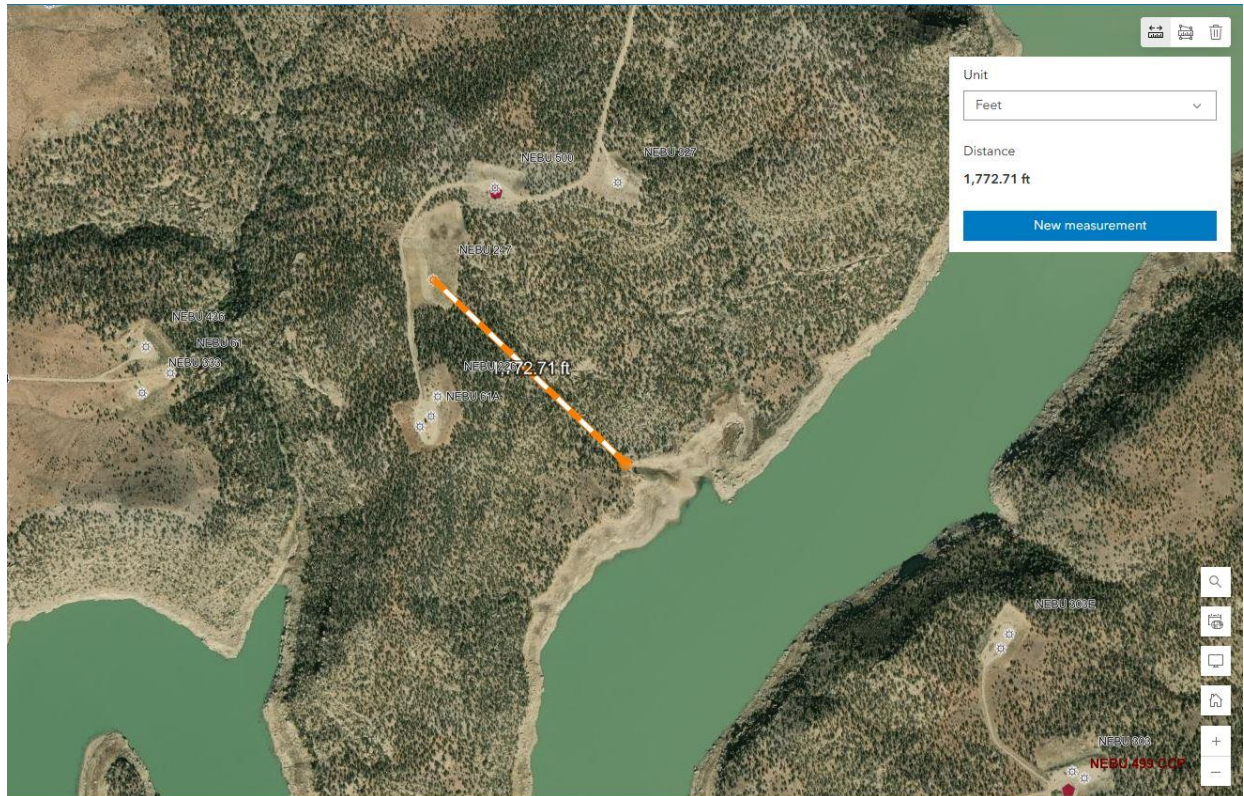


envirotech Inc.



Northeast Blanco Unit #247 – Incident nAPP2502370622

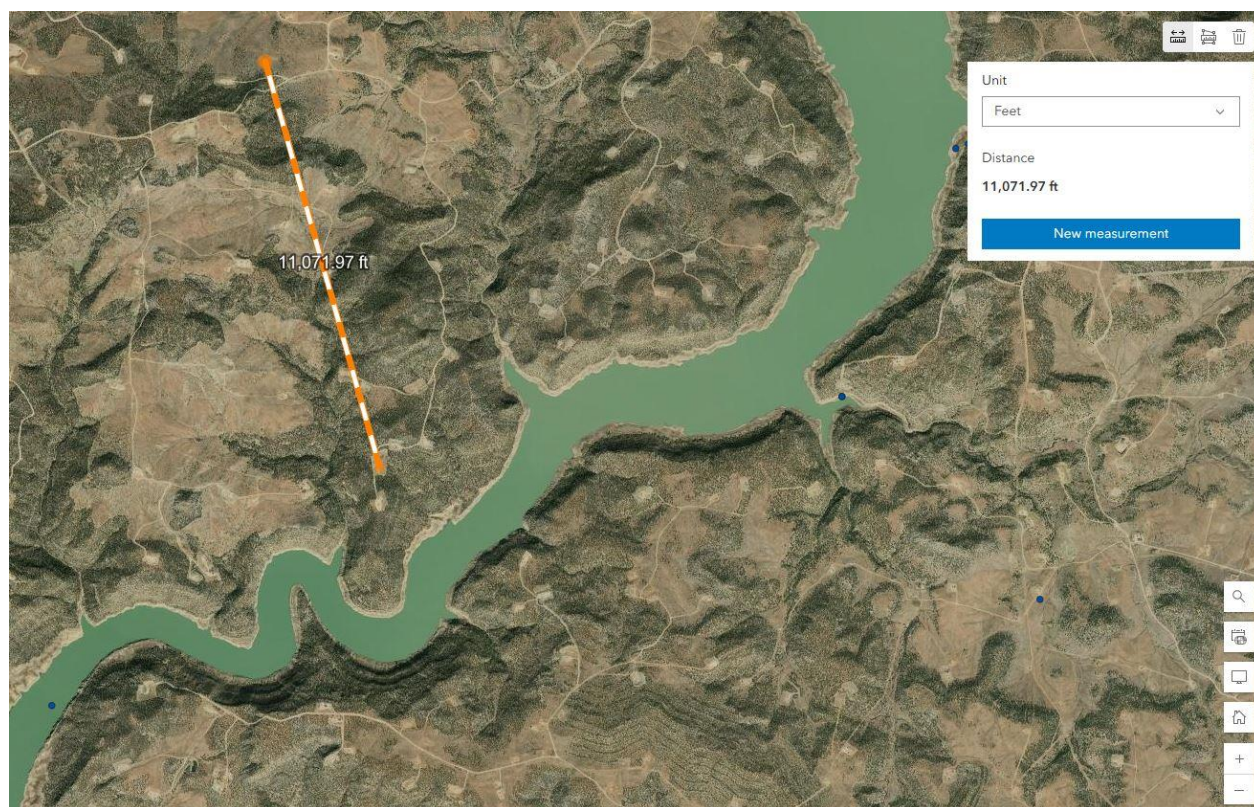
Distance to Nearest Watercourse: 1,772'





Northeast Blanco Unit #247 – Incident nAPP2502370622

Distance to nearest water well: 11,071'

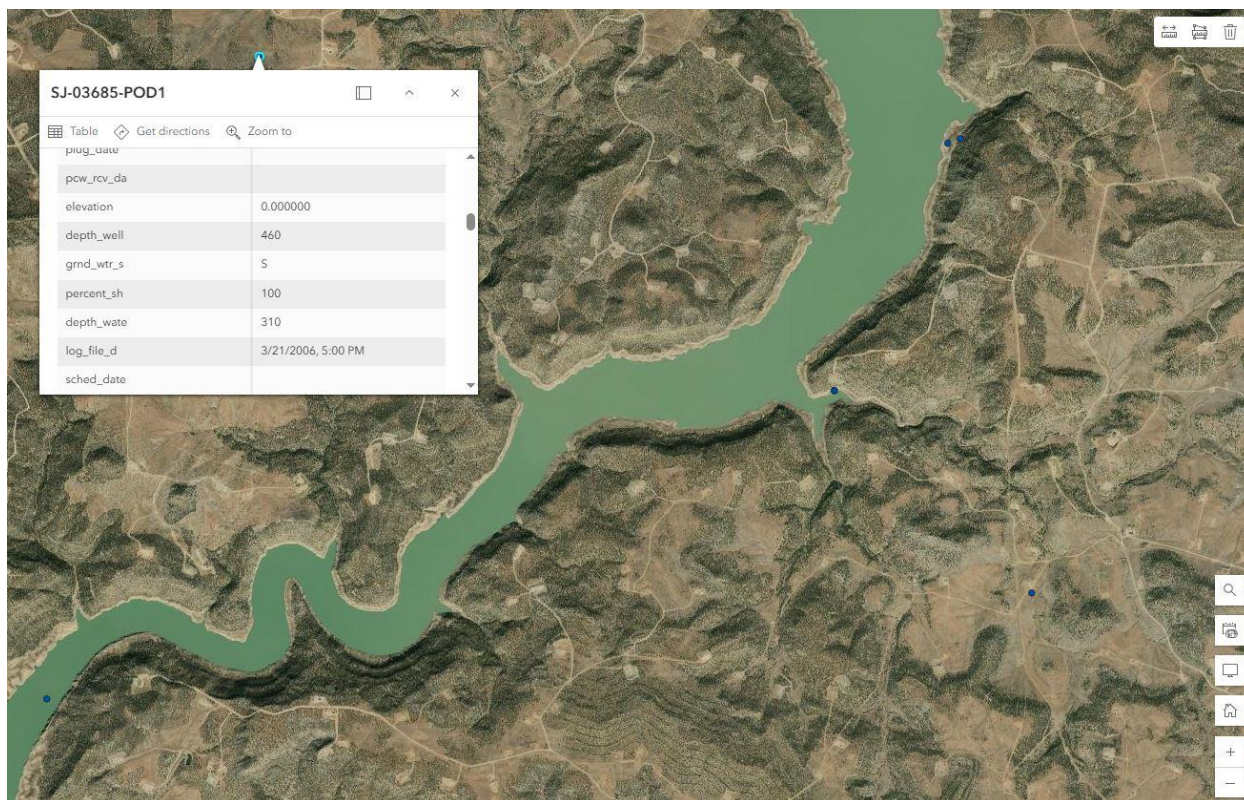




Northeast Blanco Unit #247 – Incident nAPP2502370622

Water well information for groundwater depth:

SJ-03685-POD1 - 310'





Northeast Blanco Unit #247 – Incident nAPP2502370622

Closure sampling photos





Northeast Blanco Unit #247 – Incident nAPP2502370622



Report to:
Jerrid Brann



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

IKAV Energy Inc.

Project Name: NEBU 247

Work Order: E503215

Job Number: 20095-0001

Received: 3/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 4/1/25

Jerrid Brann
1199 Main Ave. Suite 242
Durango, CO 81301

Project Name: NEBU 247
Workorder: E503215
Date Received: 3/25/2025 12:16:00PM

Jerrid Brann,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2025 12:16:00PM, under the Project Name: NEBU 247.

The analytical test results summarized in this report with the Project Name: NEBU 247 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

IKAV Energy Inc. 1199 Main Ave. Suite 242 Durango CO, 81301	Project Name:	NEBU 247	Reported: 04/01/25 08:39
	Project Number:	20095-0001	
	Project Manager:	Jerrid Brann	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08	E503215-01A	Soil	03/24/25	03/25/25	Glass Jar, 4 oz.



Sample Data

IKAV Energy Inc.
1199 Main Ave. Suite 242
Durango CO, 81301

Project Name: NEBU 247
Project Number: 20095-0001
Project Manager: Jerri Brann

Reported:
4/1/2025 8:39:10AM

SS08

E503215-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2513049	
Benzene	ND	0.0250	1	03/25/25	03/26/25	
Ethylbenzene	ND	0.0250	1	03/25/25	03/26/25	
Toluene	ND	0.0250	1	03/25/25	03/26/25	
o-Xylene	ND	0.0250	1	03/25/25	03/26/25	
p,m-Xylene	ND	0.0500	1	03/25/25	03/26/25	
Total Xylenes	ND	0.0250	1	03/25/25	03/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		112 %	70-130	03/25/25	03/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2513049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/25	03/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	03/25/25	03/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2513047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/25	03/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/25	03/26/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	03/25/25	03/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2513062	
Chloride	ND	20.0	1	03/26/25	03/26/25	



QC Summary Data

IKAV Energy Inc. 1199 Main Ave. Suite 242 Durango CO, 81301	Project Name:	NEBU 247	Reported: 4/1/2025 8:39:10AM
	Project Number:	20095-0001	
	Project Manager:	Jerrid Brann	

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2513049-BLK1) Prepared: 03/25/25 Analyzed: 03/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

LCS (2513049-BS1) Prepared: 03/25/25 Analyzed: 03/25/25

Benzene	5.59	0.0250	5.00		112	70-130			
Ethylbenzene	5.41	0.0250	5.00		108	70-130			
Toluene	5.53	0.0250	5.00		111	70-130			
o-Xylene	5.40	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

Matrix Spike (2513049-MS1) Source: E503213-06 Prepared: 03/25/25 Analyzed: 03/25/25

Benzene	5.38	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.20	0.0250	5.00	ND	104	70-130			
Toluene	5.31	0.0250	5.00	ND	106	70-130			
o-Xylene	5.17	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	70-130			

Matrix Spike Dup (2513049-MSD1) Source: E503213-06 Prepared: 03/25/25 Analyzed: 03/25/25

Benzene	5.50	0.0250	5.00	ND	110	70-130	2.27	27	
Ethylbenzene	5.33	0.0250	5.00	ND	107	70-130	2.56	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	2.43	20	
o-Xylene	5.32	0.0250	5.00	ND	106	70-130	2.88	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	2.55	23	
Total Xylenes	16.1	0.0250	15.0	ND	108	70-130	2.66	26	
Surrogate: 4-Bromochlorobenzene-PID	8.46		8.00		106	70-130			



QC Summary Data

IKAV Energy Inc. 1199 Main Ave. Suite 242 Durango CO, 81301	Project Name:	NEBU 247	Reported: 4/1/2025 8:39:10AM
	Project Number:	20095-0001	
	Project Manager:	Jerrid Brann	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2513049-BLK1) Prepared: 03/25/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS (2513049-BS2) Prepared: 03/25/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			

Matrix Spike (2513049-MS2) Source: E503213-06 Prepared: 03/25/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike Dup (2513049-MSD2) Source: E503213-06 Prepared: 03/25/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	0.859	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			



QC Summary Data

IKAV Energy Inc. 1199 Main Ave. Suite 242 Durango CO, 81301	Project Name:	NEBU 247	Reported: 4/1/2025 8:39:10AM
	Project Number:	20095-0001	
	Project Manager:	Jerrid Brann	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2513047-BLK1)					Prepared: 03/25/25 Analyzed: 03/26/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	61-141			

LCS (2513047-BS1)					Prepared: 03/25/25 Analyzed: 03/26/25				
Diesel Range Organics (C10-C28)	254	25.0	250		101	66-144			
Surrogate: n-Nonane	49.5		50.0		99.1	61-141			

Matrix Spike (2513047-MS1)					Source: E503213-06		Prepared: 03/25/25 Analyzed: 03/26/25		
Diesel Range Organics (C10-C28)	293	25.0	250	73.9	87.7	56-156			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

Matrix Spike Dup (2513047-MSD1)					Source: E503213-06		Prepared: 03/25/25 Analyzed: 03/26/25		
Diesel Range Organics (C10-C28)	300	25.0	250	73.9	90.5	56-156	2.31	20	
Surrogate: n-Nonane	50.9		50.0		102	61-141			



QC Summary Data

IKAV Energy Inc. 1199 Main Ave. Suite 242 Durango CO, 81301	Project Name:	NEBU 247	Reported: 4/1/2025 8:39:10AM
	Project Number:	20095-0001	
	Project Manager:	Jerrid Brann	

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2513062-BLK1)					Prepared: 03/26/25 Analyzed: 03/26/25				
Chloride	ND	20.0							
LCS (2513062-BS1)					Prepared: 03/26/25 Analyzed: 03/26/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2513062-MS1)					Source: E503213-06		Prepared: 03/26/25 Analyzed: 03/26/25		
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2513062-MSD1)					Source: E503213-06		Prepared: 03/26/25 Analyzed: 03/26/25		
Chloride	267	20.0	250	ND	107	80-120	0.810	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

IKAV Energy Inc.	Project Name:	NEBU 247	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	04/01/25 08:39

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Page 1 of 1

envirotech

Envirotech Analytical Laboratory

Printed: 3/25/2025 12:28:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	IKAV Energy Inc.	Date Received:	03/25/25 12:16	Work Order ID:	E503215
Phone:	(970) 828-4060	Date Logged In:	03/25/25 12:27	Logged In By:	Caitlin Mars
Email:	jerrid.brann@ikavenergy.com	Due Date:	04/01/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Jerrid BrannComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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1220 S. St Francis Dr.
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QUESTIONS

Action 449100

QUESTIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 449100
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502370622
Incident Name	NAPP2502370622 NORTHEAST BLANCO UNIT #247 @ 30-045-34319
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-34319] NORTHEAST BLANCO UNIT #247

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	NORTHEAST BLANCO UNIT #247
Date Release Discovered	01/11/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Freeze Well Produced Water Released: 21 BBL Recovered: 10 BBL Lost: 11 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 449100

QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID:
	329736
	Action Number:
	449100
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Julie Best Title: Environmental Specialist Email: julie.best@ikavenergy.com Date: 01/23/2025
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QUESTIONS, Page 3

Action 449100

QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID:
	329736
	Action Number:
	449100
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	211
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	112.1
GRO+DRO (EPA SW-846 Method 8015M)	41.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/24/2025
On what date will (or did) the final sampling or liner inspection occur	03/24/2025
On what date will (or was) the remediation complete(d)	03/24/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	60
What is the estimated volume (in cubic yards) that will be remediated	10

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 449100

QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID:	329736
	Action Number:	449100
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #2 [FEEM0112336756]
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@ikavenergy.com Date: 04/08/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 449100

QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 449100
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 449100

QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID:
	329736
	Action Number:
	449100
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	449120
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/24/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	60

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	60
What was the total volume (cubic yards) remediated	10
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Approximately 10 yards of soil were removed and replaced in the sample area that failed initial testing, it was then resampled to verify remediation.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@ikavenergy.com Date: 04/08/2025

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QUESTIONS, Page 7

Action 449100

QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 449100
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 449100

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 449100
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	4/30/2025