

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2136454686
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Morningstar Operating LLC	OGRID 330132
Contact Name Vanessa Fields Agent	Contact Telephone 505-787-9100
Contact email vanessa@walsheng.net	Incident # (assigned by OCD) NAPP2136454686
Contact mailing address 332 RD 3100 Aztec, NM 87410	

Location of Release Source

Latitude 36.5195465 Longitude -107.6489182
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Burroughs #011	Site Type Gas
Date Release Discovered: 12/30/2021	API# (if applicable) 30-045-26619

Unit Letter	Section	Township	Range	County
B	02	26N	08W	San Juan

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 2	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) Volume was determined by the flowrate measured by the volume made by the time of the release event.	Volume/Weight Recovered (provide units)

Cause of Release:

Internal corrosion occurred and bradenhead was closed. Isolation occurred to the valve to stop the active leak at that time. All surface fluids were removed, and the release was isolated. 19.15.29 will be followed for remediation.


State of New Mexico
Oil Conservation Division

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	NAPP2136454686
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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? Release was determined to be in a sensitive area. Morning Star Operating submitted a 24-hour release notification via email and phone call.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was submitted to Adriane Sandoval and Cory Smith	

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 checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Vanessa Fields</u>	Title: <u>Agent/Regulatory Compliance Manager</u>
Signature: 	Date: <u>3/4/2022</u>
email: <u>vanessa@walsheng.net</u>	Telephone: <u>505-787-9100</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

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District RP	
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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?	<u><50</u> (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 checked="" type="checkbox"/> Yes <input 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.

State of New Mexico
Oil Conservation Division

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

Printed Name: Vanessa Fields Title: Agent/Regulatory Compliance Manager

Signature: [Signature] Date: 3/4/2022

email: vanessa@walsheng.net Telephone: 505-787-9100

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Closure

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

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

- ☒ 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: Vanessa Fields Title: Agent/Regulatory Manager

Signature:  Date: 3/4/2022

email: vanesssa@walsheng.net Telephone: 505-787-9100

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: Nelson Velez Date: 03/17/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Samanntha Avarello

From: Samanntha Avarello
Sent: Thursday, December 30, 2021 4:13 PM
To: ocd.enviro@state.nm.us
Subject: FW: MSO 24HR Release Notification

From: Samanntha Avarello
Sent: Thursday, December 30, 2021 4:10 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Adrienne.Sandoval@state.nm.us
Cc: Mike Howe <MHowe@ctfieldsvcs.com>; Dan Guillotte <DGuillotte@mspartners.com>; John Hampton <JHampton@ctfieldsvcs.com>
Subject: MSO 24HR Release Notification

Hello,

Morningstar Operating discovered a produced water leak of approximately 2 bbl. from the breaddenhead at the Burroughs #011 on 12/30/2021 located in B2-26N-08W, L2, 1450 FEL, 1080 FNL, 36.51913, -107.64682, San Juan County.

Cause of leak due to internal corrosion. Breaddenhead valve was closed immediately to isolate leak. Water leaked off location into a small drainage. A crew is scheduled to begin remediation of affected location

Due to the release being near a sensitive area, Morningstar Operating is notifying the NMOCD of a major release.

Regards

Samanntha Avarello

MorningStar Partners LLC/Cross Timbers Energy LLC/Southland Royalty Co LLC
 400 W 7th St, Fort Worth, TX 76102
 817-334-7747



Vanessa Fields

From: Vanessa Fields
Sent: Wednesday, January 19, 2022 4:11 PM
To: Velez, Nelson, EMNRD; Smith, Cory, EMNRD; Johnson, David
Cc: John Hampton; Samanntha Avarello; John Hampton Jr; Vern Andrews
Subject: RE: [EXTERNAL] Confirmation Sampling Burroughs #011 API # 30-045-26619 INC# NAPP2136454686 Tuesday January 18, 2021 at 11:00 am

Good afternoon Nelson,

Sampling was conducted yesterday in accordance with 19.15.29. If the analytical results are above regulatory standards, the NMOCD will be notified when final confirmation sampling will occur again. If they are below the standards, the Final C-141 will be submitted into E-Permitting.

Have a great day!

Thank you,

Vanessa Fields

Environmental /Regulatory Compliance Manager

Walsh Engineering

O: 505-327-4892

C: 505-787-9100

vanessa@walsheng.net



From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

Sent: Tuesday, January 18, 2022 8:29 AM

To: Vanessa Fields <vanessa@walsheng.net>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Johnson, David <djohnson@slo.state.nm.us>

Cc: John Hampton <JHampton@ctfieldsvcs.com>; Samanntha Avarello <savarello@mspartners.com>; John Hampton Jr <jdhampton@walsheng.net>; Vern Andrews <vern@walsheng.net>

Subject: RE: [EXTERNAL] Confirmation Sampling Burroughs #011 API # 30-045-26619 INC# NAPP2136454686 Tuesday January 18, 2021 at 11:00 am

Good morning Vanessa,

Thank you for the notice. If an OCD representative is not on-site at the date or time given, please sample per 19.15.29 NMAC. If for some reason the date/time changes please notify the OCD as soon as possible so we may adjust our schedules. Failure to notify the OCD of date/time changes may result in the closure sample(s) not being accepted.

Thanks and have a good day!

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

From: Vanessa Fields <vanessa@walsheng.net>

Sent: Friday, January 14, 2022 5:02 PM

To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Johnson, David <djohnson@slo.state.nm.us>

Cc: John Hampton <JHampton@ctfieldsvcs.com>; Samanntha Avarello <savarello@mspartners.com>; John Hampton Jr <jdhampton@walsheng.net>; Vern Andrews <vern@walsheng.net>

Subject: [EXTERNAL] Confirmation Sampling Burroughs #011 API # 30-045-26619 INC# NAPP2136454686 Tuesday January 18, 2021 at 11:00 am

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

Good afternoon Cory, Nelson and David,

Walsh Engineering on behalf of MorningStar Operating LLC is providing 48 hour notice of confirmation sampling for the release on the Burroughs #011 API # 30-045-26619 INC# NAPP2136454686 On Tuesday January 18, 2021 at 11:00 am

Please let me know if you should have any questions or concerns.

Thank you,

Vanessa Fields

Environmental /Regulatory Compliance Manager

Walsh Engineering

O: 505-327-4892

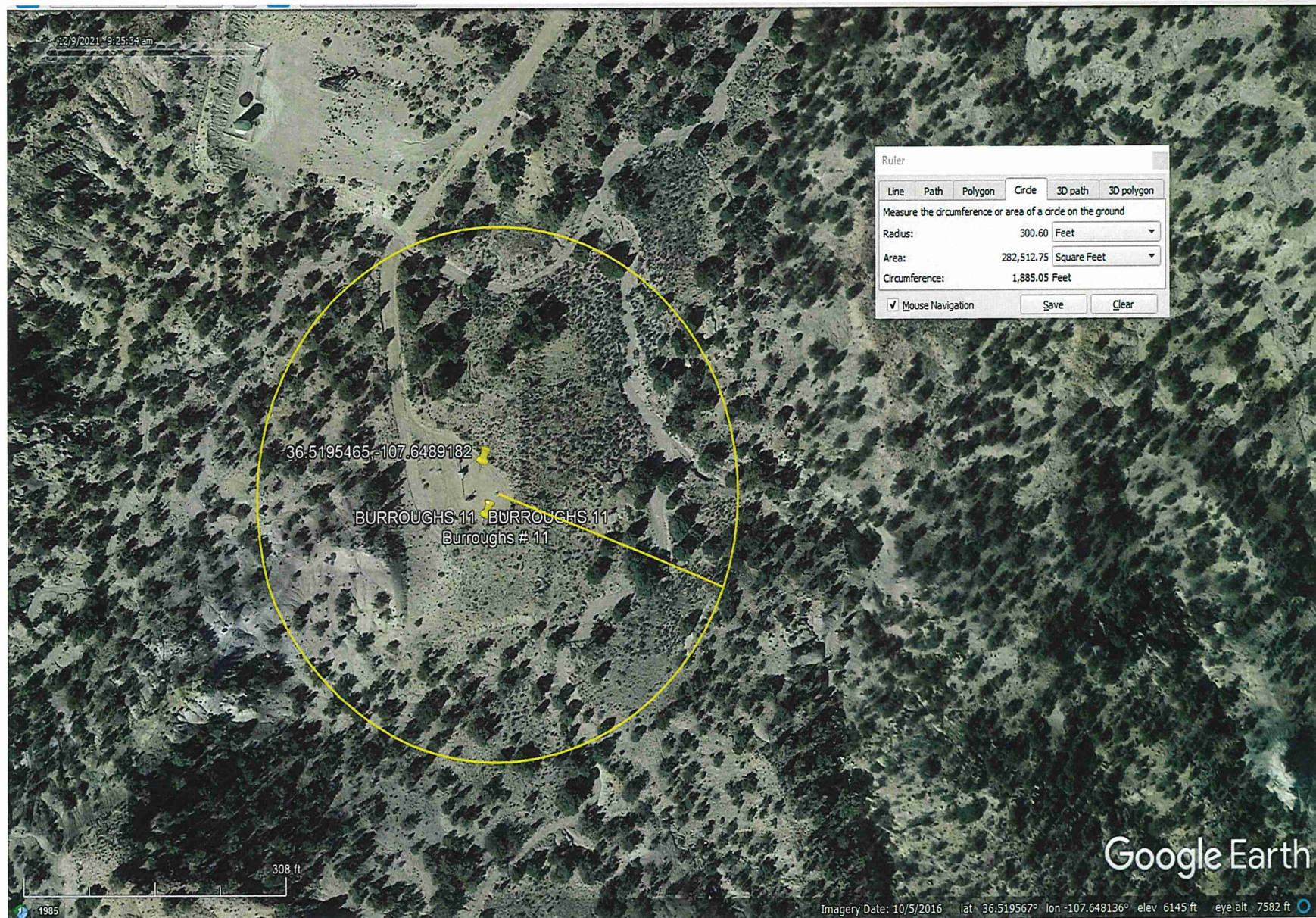
C: 505-787-9100

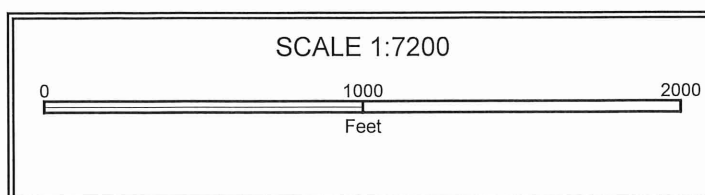
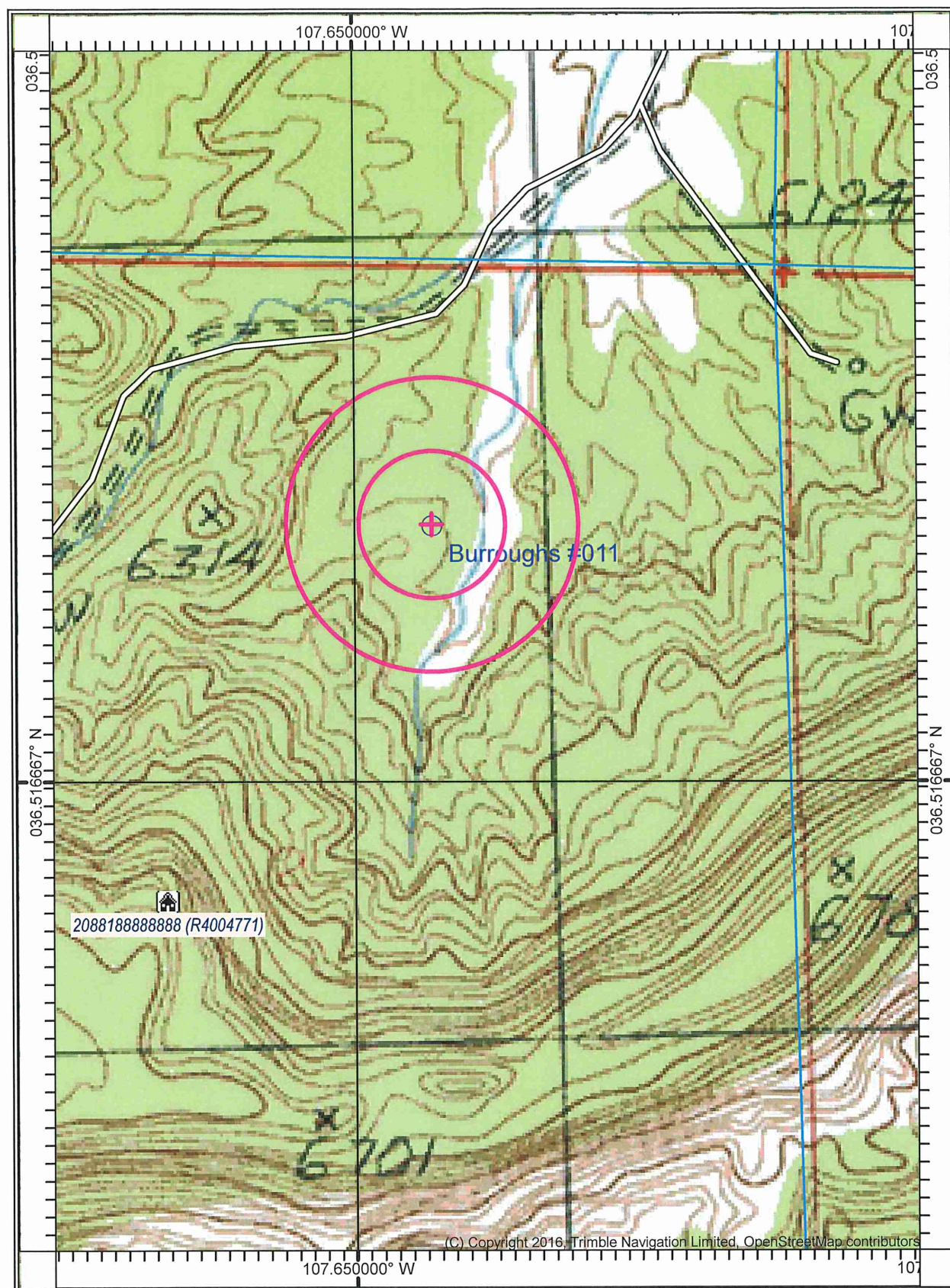
vanessa@walsheng.net

WALSH
ENGINEERING & PRODUCTION CORP.

www.walsheng.net

30-045-26619 BURROUGHS #011 Siting Criteria

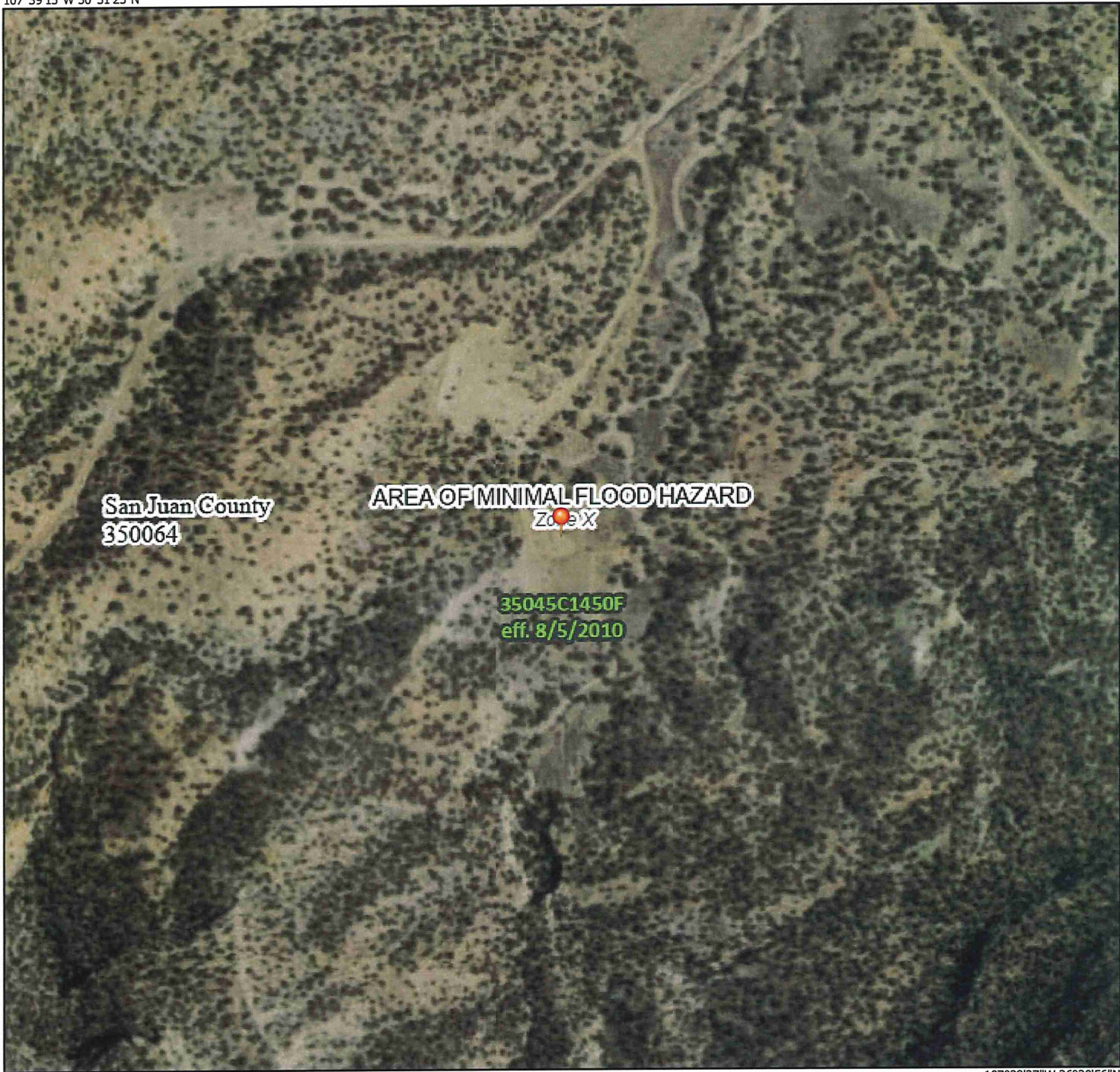




National Flood Hazard Layer FIRMette



107°39'15"W 36°31'25"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/4/2022 at 12:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

107°38'37"W 36°30'56"N



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): 02 Township: 26N Range: 08W

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.

3/4/22 10:25 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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): 03 Township: 26N Range: 08W

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.

3/4/22 10:25 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



(NAD83 UTM in meters)

No records found.

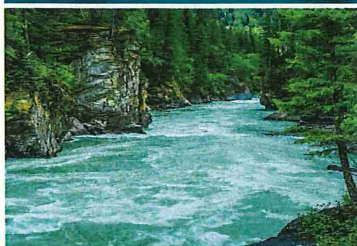
Range: 08W

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.

3/4/22 10:25 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Report to:
Vanessa Fields



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Morningstar Operating LLC.

Project Name: Burroughs #011

Work Order: E201099

Job Number: 20100-0001

Received: 1/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/22

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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/28/22

Vanessa Fields
811 S. Main Ave.
Aztec, NM 87410



Project Name: Burroughs #011
Workorder: E201099
Date Received: 1/21/2022 2:11:00PM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/21/2022 2:11:00PM, under the Project Name: Burroughs #011.

The analytical test results summarized in this report with the Project Name: Burroughs #011 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Burroughs #011
Project Number: 20100-0001
Project Manager: Vanessa Fields

Reported:
01/28/22 17:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB# 001	E201099-01A	Soil	01/18/22	01/21/22	Glass Jar, 4 oz.
SB# 002	E201099-02A	Soil	01/18/22	01/21/22	Glass Jar, 4 oz.
SB# 003	E201099-03A	Soil	01/18/22	01/21/22	Glass Jar, 4 oz.
SB# 004	E201099-04A	Soil	01/18/22	01/21/22	Glass Jar, 4 oz.



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Burroughs #011
Project Number: 20100-0001
Project Manager: Vanessa Fields

Reported:
1/28/2022 5:57:46PM

SB# 001

E201099-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2205019
Benzene	ND	0.0250	1	01/24/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/28/22	
Toluene	ND	0.0250	1	01/24/22	01/28/22	
o-Xylene	ND	0.0250	1	01/24/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/28/22	
Surrogate: 4-Bromochlorobenzene-PID	98.2 %	70-130		01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2205019
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.2 %	70-130		01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2205025
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
Surrogate: n-Nonane	104 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205003
Chloride	ND	20.0	1	01/24/22	01/25/22	



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Burroughs #011
Project Number: 20100-0001
Project Manager: Vanessa Fields

Reported:
1/28/2022 5:57:46PM

SB# 002

E201099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2205019
Benzene	ND	0.0250	1	01/24/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/28/22	
Toluene	ND	0.0250	1	01/24/22	01/28/22	
o-Xylene	ND	0.0250	1	01/24/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2205019
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.0 %	70-130	01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2205025
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/25/22	01/26/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2205003
Chloride	ND	20.0	1	01/24/22	01/25/22	



Sample Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Burroughs #011 Project Number: 20100-0001 Project Manager: Vanessa Fields	Reported: 1/28/2022 5:57:46PM
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SB# 003

E201099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2205019
Benzene	ND	0.0250	1	01/24/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/28/22	
Toluene	ND	0.0250	1	01/24/22	01/28/22	
o-Xylene	ND	0.0250	1	01/24/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/28/22	
Surrogate: 4-Bromochlorobenzene-PID	98.3 %	70-130		01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2205019
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2205025
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
Surrogate: n-Nonane	104 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205003
Chloride	ND	20.0	1	01/24/22	01/26/22	



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Burroughs #011
Project Number: 20100-0001
Project Manager: Vanessa Fields

Reported:
1/28/2022 5:57:46PM

SB# 004

E201099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2205019
Benzene	ND	0.0250	1	01/24/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/28/22	
Toluene	ND	0.0250	1	01/24/22	01/28/22	
o-Xylene	ND	0.0250	1	01/24/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2205019
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	01/24/22	01/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2205025
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	01/25/22	01/26/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2205003
Chloride	ND	20.0	1	01/24/22	01/25/22	



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Burroughs #011 Project Number: 20100-0001 Project Manager: Vanessa Fields	Reported: 1/28/2022 5:57:46PM
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Volatile Organics by EPA 8021B

Analyst: RKS

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 (2205019-BLK1)

Prepared: 01/24/22 Analyzed: 01/28/22

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	7.83		8.00		97.8	70-130			

LCS (2205019-BS1)

Prepared: 01/24/22 Analyzed: 01/28/22

Benzene	4.26	0.0250	5.00		85.3	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.42	0.0250	5.00		88.3	70-130			
o-Xylene	4.40	0.0250	5.00		88.0	70-130			
p,m-Xylene	8.78	0.0500	10.0		87.8	70-130			
Total Xylenes	13.2	0.0250	15.0		87.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.3	70-130			

Matrix Spike (2205019-MS1)

Source: E201090-03

Prepared: 01/24/22 Analyzed: 01/28/22

Benzene	4.53	0.0250	5.00	ND	90.7	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.7	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
o-Xylene	4.67	0.0250	5.00	ND	93.4	63-131			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike Dup (2205019-MSD1)

Source: E201090-03

Prepared: 01/24/22 Analyzed: 01/28/22

Benzene	4.40	0.0250	5.00	ND	88.0	54-133	2.99	20	
Ethylbenzene	4.46	0.0250	5.00	ND	89.2	61-133	2.70	20	
Toluene	4.57	0.0250	5.00	ND	91.4	61-130	2.76	20	
o-Xylene	4.55	0.0250	5.00	ND	91.0	63-131	2.62	20	
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	63-131	2.63	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.9	63-131	2.62	20	
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			



QC Summary Data

Morningstar Operating LLC.	Project Name:	Burroughs #011	Reported:
811 S. Main Ave.	Project Number:	20100-0001	
Aztec NM, 87410	Project Manager:	Vanessa Fields	1/28/2022 5:57:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2205019-BLK1)

Prepared: 01/24/22 Analyzed: 01/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

LCS (2205019-BS2)

Prepared: 01/24/22 Analyzed: 01/28/22

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

Matrix Spike (2205019-MS2)

Source: E201090-03

Prepared: 01/24/22 Analyzed: 01/28/22

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2205019-MSD2)

Source: E201090-03

Prepared: 01/24/22 Analyzed: 01/28/22

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130	3.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Burroughs #011 Project Number: 20100-0001 Project Manager: Vanessa Fields	Reported: 1/28/2022 5:57:46PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2205025-BLK1)

Prepared: 01/25/22 Analyzed: 01/26/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	50-200			

LCS (2205025-BS1)

Prepared: 01/25/22 Analyzed: 01/26/22

Diesel Range Organics (C10-C28)	559	25.0	500		112	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2205025-MS1)

Source: E201090-02

Prepared: 01/25/22 Analyzed: 01/26/22

Diesel Range Organics (C10-C28)	557	25.0	500	ND	111	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2205025-MSD1)

Source: E201090-02

Prepared: 01/25/22 Analyzed: 01/26/22

Diesel Range Organics (C10-C28)	572	25.0	500	ND	114	38-132	2.66	20	
Surrogate: n-Nonane	53.8		50.0		108	50-200			



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Burroughs #011 Project Number: 20100-0001 Project Manager: Vanessa Fields	Reported: 1/28/2022 5:57:46PM
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Anions by EPA 300.0/9056A

Analyst: RAS

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 (2205003-BLK1)

Prepared: 01/24/22 Analyzed: 01/25/22

Chloride ND 20.0

LCS (2205003-BS1)

Prepared: 01/24/22 Analyzed: 01/25/22

Chloride 251 20.0 250 100 90-110

Matrix Spike (2205003-MS1)

Source: E201081-02

Prepared: 01/24/22 Analyzed: 01/25/22

Chloride 1100 20.0 250 888 84.9 80-120

Matrix Spike Dup (2205003-MSD1)

Source: E201081-02

Prepared: 01/24/22 Analyzed: 01/25/22

Chloride 1100 20.0 250 888 84.0 80-120 0.217 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

Morningstar Operating LLC.	Project Name:	Burroughs #011	
811 S. Main Ave.	Project Number:	20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Vanessa Fields	01/28/22 17:57

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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[illegible]

Envirotech Analytical Laboratory

Printed: 1/21/2022 2:29:07PM

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:	Morningstar Operating LLC.	Date Received:	01/21/22 14:11	Work Order ID:	E201099
Phone:	(505) 419-6055	Date Logged In:	01/21/22 14:22	Logged In By:	Caitlin Christian
Email:	Vanessa@walsheng.net	Due Date:	01/28/22 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: Nicole Alley

Comments/Resolution

Sample 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? No

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.

Burroughs #011 API 30-045-26619

Remediation Summary

Incident Number NaPP2136454686

On December 30, 2021, Morningstar

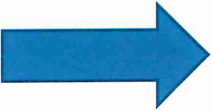
Morningstar Operating submitted the initial C-141 to the NMOCD and was given incident number **NaPP2136454686**. All surface fluids were removed. No evidence of any residual soil was noted after clean- up efforts were conducted. The release from the Cathodic determined no hydrocarbon constitutions were evident.

Sampling was conducted on January 21, 2022, the NMOCD nor the State Land Office were present for sampling. (5) 5 composite samples were collected along the release paths as demonstrated in the attached photos at 1 foot below grade surface. Sample path was each 100' x2' in length. Photos will demonstrate that no staining was observed. All analytical results came below regulatory standards

Sample Data Table

<i>Date Sampled</i>	<i>Sample Area 5-point composite</i>	<i>8021 BTEX</i>	<i>Benzene</i>	<i>8015 DRO</i>	<i>8015 GRO</i>	<i>8015 ORO</i>	<i>Chloride</i>
1/21/2022	SB 1 (1) 5point composite	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect
1/21/2022	SB 2 (1) 5point composite	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect
1/21/2022	SB 3 (1) 5point composite	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect
1/21/2022	SB 4 (1) 5point composite	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet 	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Sampling Map



Sampling Photo Log















District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 88666

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 88666
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/17/2022