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-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

	Propo	sed Alternative I	Method Permit of	r Closure Plan Appli	cation
14275	Type of action:		proposed alternative me	thod posed alternative method	RECEIVED By kcollins at 7:38 am, Mar 09, 2016
		☐ Modification to an☐ Closure plan only	n existing permit/or regi		d pit, below-grade tank,
	or proposed alte	rnative method			
			Ø (5050	idual pit, below-grade tank or a	
ease be advised to vironment. Nor	hat approval of this re does approval relieve	equest does not relieve the o the operator of its responsi	operator of liability should of ibility to comply with any of	perations result in pollution of su her applicable governmental auth	rface water, ground water or the ority's rules, regulations or ordinances.
i. Operator: <u>Burl</u>	ington Resources O	il & Gas Company, LP	OGRID #: <u>14538</u>		
Address: PO	BOX 4289, Farming	gton, NM 87499			
Facility or well i	name: Nye SRC 14				
API Number: _3	0-045-11663	OCD P	ermit Number:		
U/L or Qtr/Qtr	J Section	on13 Townsh	nip30N Rar	nge11WCounty: 1	San Juan
Center of Propos	sed Design: Latitude	e <u>36.809433 °N</u> Lor	ngitude107.9838879_	<u>W</u> NAD: □1927 ⊠ 1983	
Surface Owner:		Private Tribal Trus	st or Indian Allotment		
2.					
Pit: Subsec	ction F, G or J of 19	0.15.17.11 NMAC			
Гетрогагу:	Drilling 🔲 Worko	ver			
Permanent [Emergency Ca	avitation 🗌 P&A 📗 Mı	ulti-Well Fluid Manageme	nt Low Chloride Dr	illing Fluid 🗌 yes 🔲 no
Lined U	nlined Liner type:	Thicknessmil	LLDPE HDPE P	VC Other	
String-Reinfo					
Liner Seams:	Welded Factor	ry 🗌 Other	Volume:	bbl Dimensions: Lx	Wx D
3.					
⊠ <u>Below-grade</u>	tank: Subsection	I of 19.15.17.11 NMAC			
Volume:	120	bbl Type of fluid:	Produced Water		
Tank Constructi	on material:	Metal			
Secondary of	ontainment with lea	k detection Visible si	idewalls, liner, 6-inch lift a	and automatic overflow shut-off	
✓ Visible side	walls and liner	Visible sidewalls only	Other		
			PE PVC Other	LLDPE	
. Alternative	Wathada				
25		required. Exceptions mu	st be submitted to the Sant	a Fe Environmental Bureau offi	ce for consideration of approval.
	T 1	1 2			* *
Fencing: Subse	ction D of 19.15.17.	.11 NMAC (Applies to per	rmanent pits, temporary pi	ts, and below-grade tanks)	
	ix feet in height, two			vithin 1000 feet of a permanent i	residence, school, hospital,
	60	barbed wire evenly spaced	l between one and four fee	t	
Alternate. P	ease specify				

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
Monthly inspections (If netting or screening is not physically feasible)	
 Signs: Subsection C of 19.15.17.11 NMAC □ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers □ Signed in compliance with 19.15.16.8 NMAC 	
 8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. □ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No 図 NA
<u>Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.</u> NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☑ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland.	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NM Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dock attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	uments are NMAC 5.17.9 NMAC
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the document attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.1 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	15.17.9 NMAC

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.	documents are
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Quality Control/Quality Assurance Construction and Installation Plan ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan	
 □ Emergency Response Plan □ Oil Field Waste Stream Characterization □ Monitoring and Inspection Plan □ Erosion Control Plan 	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Flank Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only)	luid Management Pit
On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	
14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	rce material are Please refer to
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality								
	☐ Yes ☐ No							
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No							
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No							
Within a 100-year floodplain FEMA map								
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.13 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC							
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bel	ief.							
Name (Print): Title:								
Signature: Date:								
e-mail address: Telephone:								
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment)								
18.								
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment)								
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 04-05	-2016 g the closure report.							
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 04-05 Title: Environmental Specialist OCD Permit Number: OCD Permit Number:	-2016 g the closure report.							
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Environmental Specialist OCD Permit Number: Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	-2016 g the closure report.							

22. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure report is t belief. I also certify that the closure complies with all applicable closure requirements and	
Name (Print): Larissa Farrell Title: Regulatory Technician	
Signature: Lauria Farrell	Date: 2-5-14
e-mail address: Larissa.L.Farrell@cop.com Telephone: (505) 326-9504	

Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Closure Report

Lease Name: NYE SRC 14 API No.: 30-045-11663

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

General Plan:

1. BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.

The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.

2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.

3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

The below-grade tank was disposed of in a division-approved manner.

4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.

All on-site equipment associated with the below-grade tank was removed.

5. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.

A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.

Components	Tests Method	Limit (mg/kg)	
Benzene	EPA SW-846 8021B or 8260B	0.2	
BTEX	EPA SW-846 8021B or 8260B	50	
TPH	EPA SW-846 418.1	100	
Chlorides	EPA 300.0	250	

6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

A release was determined for the above referenced well.

7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.

- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

Notification was not found.

9. The surface owner shall be notified of BR's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via certified mail, return receipt requested.

The closure process notification to the landowner was not found.

10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The below-grade tank area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping including drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.

11. BR shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation (See Report)
 - Re-vegetation application rates and seeding techniques (See Report)
 - Photo documentation of the site reclamation (Included as an attachment)
 - Confirmation Sampling Results (Included as an attachment)
 - Proof of closure notice (Included as an attachment)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-141 Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Release Notification and Corrective Action									
	OPERA	OPERATOR							
Name of Company Burlington Resources Oil & Gas Company		Contact Crystal Tafoya							
Address 3401 East 30 th St, Farmington, NM Facility Name: Nye SRC 14		No.(505) 326-98	37						
	Facility Typ	e: Gas Well							
Surface Owner Mineral Own	er Federal (SF-	078198)	API No	0.30-045-11663					
	LOCATION OF RELEASE								
Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County J 13 30N 11W 1780 South 1570 East San Juan									
Latitude <u>36.80949</u> Longitude <u>107.93913</u>									
NATU	RE OF RELI	EASE		(E) (E)					
Type of Release Produced Fluids	Volume of			Recovered 514 cu. yds.					
Source of Release Below Grade Tank	Unknown	lour of Occurrenc	Date and July 28,	Hour of Discovery					
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Requi	If YES, To	Whom?	Outy 20;	2017					
By Whom?	Date and F	lour							
Was a Watercourse Reached?		lume Impacting t	he Watercourse.						
☐ Yes ☒ No									
If a Watercourse was Impacted, Describe Fully.*			OII CO	NS. DIV DIST. 3					
N/A		328	OIL OU	פ יו פוח אוח יפאו					
			NC	V 1 8 2014					
Describe Cause of Problem and Remedial Action Taken.* Below Grade Tank Closure Activities									
below Grade Talik Closure Activities									
Describe Area Affected and Cleanup Action Taken.*									
The below grade tank sample results were above regulatory stand									
was 31' X 28' X 16' and 514 cubic yards of soil was transported to Analytical results for TPH, BTEX and Chlorides were below the									
Leaks, Spills and Releases; therefore no further action is required				actifies for Remediation of					
**									
I hereby certify that the information given above is true and complete	to the best of my	knowledge and u	nderstand that pur	suant to NMOCD rules and					
regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report to	ase notifications are	nd perform correct arked as "Final R	ctive actions for rel enort" does not rel	ieve the operator of liability					
should their operations have failed to adequately investigate and reme	ediate contaminati	on that pose a thr	eat to ground wate	r, surface water, human health					
or the environment. In addition, NMOCD acceptance of a C-141 representation, state, or local laws and/or regulations.	ort does not reliev	e the operator of	responsibility for o	compliance with any other					
regerat, state, or local laws and/or regulations.		OIL CON	SERVATION	DIVISION					
Contral of Taloga			1						
Signature:	Ammuound hu	Environmental S	manialists //pe	my/11/11/11					
	Approved by	Environmental 3	pecialist.	X / wind					
Printed Name: Crystal Tafoya	-	11	<u> </u>	$\bigcirc \alpha$					
Title: Field Environmental Specialist	Approval Da	e: 1/5/15	Expiration	Date:					
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of	Approval:	ő	Attached					
Date: 11/17/2014 Phone: (505) 326-9837				80 d					
Attach Additional Sheets If Necessary		15005	2.00114						

Animas Environmental Services, LLC



November 7, 2014

Crystal Tafoya ConocoPhillips San Juan Business Unit Office 214-05 5525 Hwy 64 Farmington, New Mexico 87401

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: Initial Release Assessment and Final Excavation Report Nye SRC #14 San Juan County, New Mexico

Dear Ms. Tafoya:

On July 28, August 11, and September 18, 2014, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Nye SRC #14, located in San Juan County, New Mexico. The release consisted of historic contamination associated with produced water and condensate discovered during plugging and abandonment activities at the location. The initial release assessment was completed by AES on August 11, 2014, and the final excavation was completed by CoP contractors while AES' was at the location on September 18, 2014.

1.0 Site Information

1.1 Location

Site Name – Nye SRC #14

Location – NW¼ SE¼, Section 13, T30N, R11W, San Juan County, New Mexico

Well Head Latitude/Longitude – N36.80949 and W107.93913,
respectively

Release Location Latitude/Longitude – N36.80944 and W107.93888,
respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, July 2014

604 W. Piñon St. Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 970-403-3084

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 20 based on the following factors:

- **Depth to Groundwater:** The New Mexico Office of the State Engineer (NMOSE) database was searched, and NMOSE well SJ01720, located approximately 1,550 feet to the northwest and 50 feet lower in elevation, reported the depth to groundwater at 90 feet below ground surface (bgs). Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet bgs. (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Hampton Arroyo is located approximately 70 feet south of the location and drains to the northwest into the Animas River. (20 points)

1.3 Assessment

AES was initially contacted by Travis Andrews, CoP representative, on July 28, 2014, and on the same day, Stephanie Hinds and Laura Lane of AES conducted the initial release assessment field work. The assessment included collection and field sampling of 12 soil samples from five assessment trenches in and around the release area. Trenches were terminated between 7 and 15 feet below grade.

On August 11, 2014, AES returned to the location to conduct further release assessment field work. This assessment included collection and field sampling of 10 soil samples from four soil borings around the release area. Based on the field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On September 18, 2014, AES returned to the location to collect confirmation soil samples of the excavation area. The field sampling activities included collection of five confirmation soil samples from the walls and base of the excavation. The area of the final excavation measured approximately 31 feet by 28 feet by 16 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 22 soil samples from five assessment trenches (TH-1 through TH-5), four borings (SB-1 through SB-4) and five composite samples (SC-1 through SC-5) were collected during the assessments and excavation clearance work. All soil samples were field screened for

volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). One sample (TH-1) collected during the initial release assessment and five composite samples (SC-1 through SC-5) collected during the excavation clearance were submitted for confirmation laboratory analysis.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

2.2 Laboratory Analyses

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

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B; and
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

2.3 Field and Laboratory Analytical Results

On July 28, 2014, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in TH-2 up to 1,117 ppm in TH-1. Field TPH concentrations ranged from 36.2 mg/kg in TH-5 up to greater than 2,500 mg/kg in TH-1.

On August 11, 2014, field screening results for VOCs via OVM showed concentrations ranging from 0.1 ppm in SB-1 and SB-4 up to 1.2 ppm in SB-2. Field TPH concentrations ranged from 22.6 mg/kg in SB-1 at 5 feet up to 48.9 mg/kg in SB-1 at 12.5 feet.

On September 18, 2014, final excavation field screening results for VOCs via OVM ranged from 12.6 ppm in SC-3 up to 1,025 ppm in SC-5. Field TPH concentrations ranged from 32.8

mg/kg in SC-2 up to 103 mg/kg in SC-1. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Table 1. Field Sampling VOCs and TPH Results

Nye SRC #14 Initial Release Assessment and Final Excavation Clearance

July, August, and September 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMOCD Action Leve			100	100
		4.5	23.4	1,060
TH-1	7/28/14	7	55.4	>2,500
		15	1,117	1,670
TH 2	7/20/44	4.5	0.5	1,480
TH-2	7/28/14 -	7	0.0	103
TH 2	7/20/4	4.5	0.7	522
TH-3	7/28/14 -	7	0.1	81.0
		4.5	1.0	174
TH-4	7/28/14	7	21.6	1,890
		10	3.2	1,130
70.7	7/20/44	4.5	1.1	397
TH-5	7/28/14 -	7	0.6	36.2
		5	0.2	22.6
SB-1	8/11/14	7	0.1	28.2
		12.5	0.7	48.9
CD 2	0/11/11	5	1.2	26.8
SB-2	8/11/14 -	7	0.7	37.9
60.3	0/44/44	5	0.3	33.7
SB-3	8/11/14 -	7	0.2	NA
	42	5	0.1	NA
SB-4	8/11/14	7	0.3	26.8
	-	12.5	0.1	28.2
SC-1	9/18/14	1 to 16	103	103
SC-2	9/18/14	1 to 16	19.5	32.8
SC-3	9/18/14	1 to 16	12.6	55.1

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMOCD	Action Level*		100	100
SC-4	9/18/14	1 to 16	34.8	44.0
SC-5	9/18/14	16	1,025	80.3

NA – not analyzed

Laboratory analyses for TH-1 were used to confirm field sampling results of the initial release assessment. Benzene concentrations were reported below laboratory detection limits. Total BTEX concentrations were reported as 10 mg/kg. TPH concentrations (as GRO/DRO) were reported at 1,460 mg/kg.

Laboratory analyses for SC-1 through SC-5 were used to confirm field sampling results from the final excavation. Benzene concentrations in SC-1 through SC-5 were reported below laboratory detection limits. Total BTEX concentrations were below laboratory detection limits in SC-1 through SC-4 and were reported at 0.630 mg/kg in SC-5. TPH concentrations as GRO/DRO in SC-2 through SC-4 were reported below laboratory detection limits and were reported at 73 mg/kg in SC-1 and 71 mg/kg in SC-5. Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH Nye SRC #14 Initial Release Assessment and Final Excavation Clearance July, August, and September 2014

Sample Total						
Sample ID	Date Sampled	Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
NMOCD Action Level* 10 50 100						00
TH-1	7/28/14	15	<0.076	10	580	880
SC-1	9/18/14	1 to 16	<0.038	<0.191	<3.8	73
SC-2	9/18/14	1 to 16	<0.048	<0.24	<4.8	<10
SC-3	9/18/14	1 to 16	<0.049	<0.244	<4.9	<10
SC-4	9/18/14	1 to 16	<0.047	<0.235	<4.7	<10
SC-5	9/18/14	16	<0.036	0.630	29	42

^{*}Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

^{*}Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

3.0 Conclusions and Recommendations

On July 28 and August 11, 2014, AES conducted an initial assessment of petroleum contaminated soils associated with a historic release of produced water and condensate at the Nye SRC #14. Action levels for releases are determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993), and the site was assigned a rank of 20.

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH were reported in TH-1 through TH-5. The highest VOC concentration was reported in TH-1 with 1,117 ppm, and the highest TPH concentration was also reported in TH-1 with greater than 2,500 mg/kg.

Laboratory analyses for TH-1 were used to confirm field sampling results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations as GRO/DRO of 1,460 mg/kg exceeded the NMOCD action level of 100 mg/kg.

On September 18, 2014, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final walls of the excavation, except for SC-1 (north wall) which had a VOC concentration of 103 ppm. VOC concentrations also exceeded NMOCD action levels for the excavation base (SC-5), at 1,025 mg/kg. Field TPH concentrations were below the applicable NMOCD action level of 100 mg/kg for the final walls and base of the excavation, with the exception of SC-1 (north wall) which had a TPH concentration of 103 mg/kg. However, laboratory analytical results reported benzene, total BTEX, and TPH concentrations (as GRO/DRO) below applicable NMOCD action levels in SC-1 through SC-5.

Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the Nye SRC #14, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. No further work is recommended.

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

Sincerely,

David J. Reese

David of Rese

Environmental Scientist

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, July 2014

Figure 3. Release Assessment Sample Locations and Results, July and August 2014

Figure 4. Final Excavation Sample Locations and Results, September 2014

AES Field Sampling Report 072814

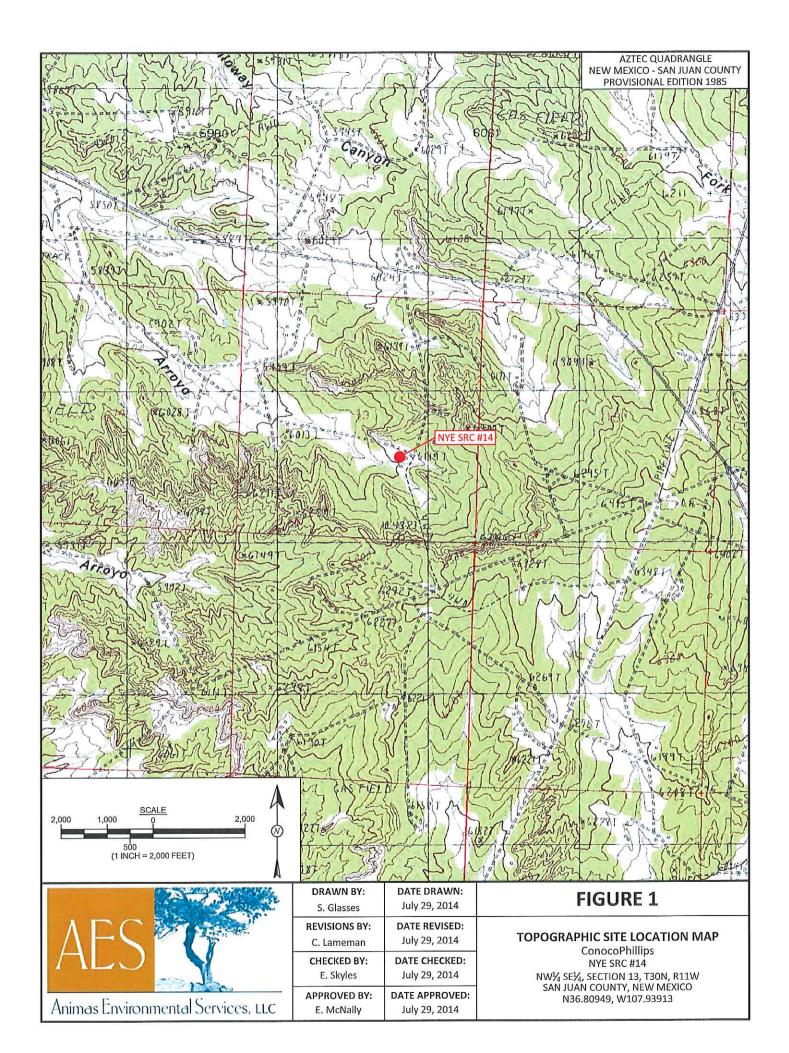
AES Field Sampling Report 081114

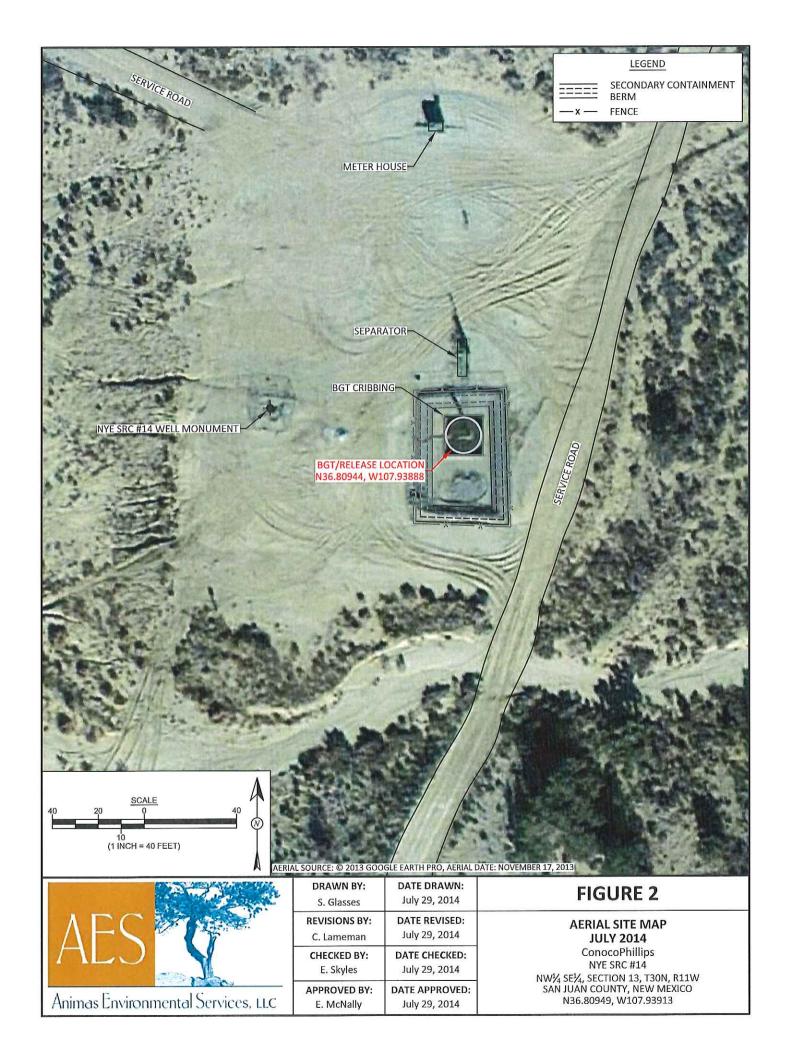
AES Field Sampling Report 091814

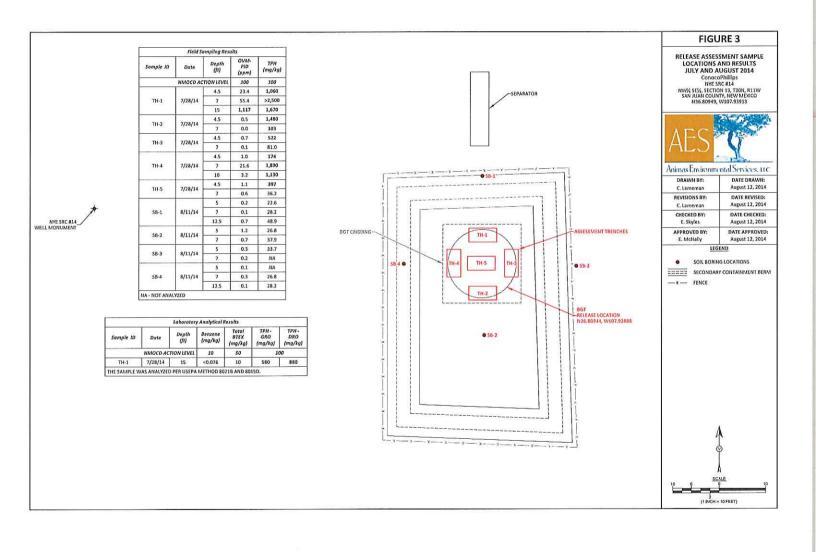
Hall Laboratory Analytical Report 1407D67

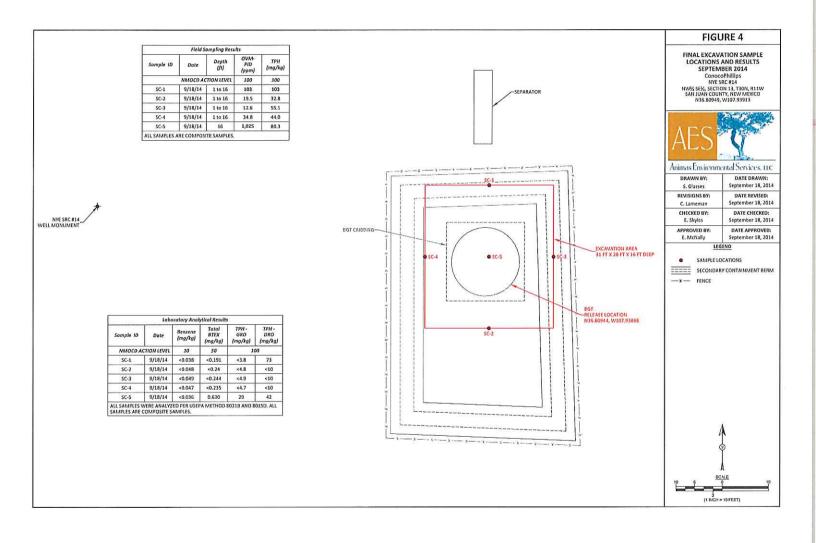
Hall Laboratory Analytical Report 1409946

C:\Users\emcnally\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2014 Projects\ConocoPhillips\Nye SRC #14\Nye SRC #14 Release and Final Excavation Report 110714.docx









AES Field Sampling Report



Client: ConocoPhillips

Project Location: Nye SRC #14

Date: 7/28/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1 @ 4.5'	7/28/2014	14:20	23.4	1,058	15:19	20.0	1	SAH
TH-1 @ 7'	7/28/2014	16:20	55.4	>2,500	16:47	20.0	1	SAH
TH-1 @ 15'	7/28/2014	17:35	1,117	1,673	17:58	20.0	1	SAH
TH-2 @ 4.5'	7/28/2014	14:22	0.5	1,481	15:22	20.0	1	SAH
TH-2 @ 7'	7/28/2014	16:00	0.0	103	16:15	20.0	1	SAH
TH-3 @ 4.5'	7/28/2014	14:24	0.7	522	15:25	20.0	1	SAH
TH-3 @ 7'	7/28/2014	16:22	0.1	81.0	16:50	20.0	1	SAH
TH-4 @ 4.5'	7/28/2014	14:26	1.0	174	15:27	20.0	1	SAH
TH-4 @ 7'	7/28/2014	16:24	21.6	1,891	16:53	20.0	1	SAH
TH-4 @ 10'	7/28/2014	17:30	3.2	1,127	17:55	20.0	1	SAH
TH-5 @ 4.5'	7/28/2014	14:28	1.1	397	15:30	20.0	1	SAH
TH-5 @ 7'	7/28/2014	16:26	0.6	36.2	16:56	20.0	1	SAH

Sample ID	Collection	Collection	OVM	Field TPH*	Field TPH Analysis	TPH PQL	DF	TPH Analysts Initials
Sample ID	Date	Time	(ppm)	(mg/kg)	Time	(mg/kg)	DF	Initials

DF NA **Dilution Factor** Not Analyzed

Practical Quantitation Limit

PQL *Field TPH concentrations recorded may be below PQL. Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Atyphanie A. Hinds

AES Field Sampling Report



Client: ConocoPhillips

Project Location: Nye SRC #14

Date: 8/11/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 5'	8/11/2014	9:41	0.2	22.6	10:20	20.0	1	EMS
SB-1 @ 7'	8/11/2014	9:45	0.1	28.2	10:23	20.0	1	EMS
SB-1 @ 12.5	8/11/2014	11:14	0.7	48.9	11:22	20.0	1	EMS
SB-2 @ 5'	8/11/2014	10:23	1.2	26.8	10:48	20.0	1	EMS
SB-2 @ 7'	8/11/2014	10:30	0.7	37.9	10:51	20.0	1	EMS
SB-3 @ 5'	8/11/2014	10:05	0.3	33.7	10:53	20.0	1	EMS
SB-3 @ 7'	8/11/2014	10:10	0.2		Not	Analyzed for T	PH	
SB-4 @ 5'	8/11/2014	9:52	0.1		Not	Analyzed for T	PH	
SB-4 @ 7'	8/11/2014	9:57	0.3	26.8	10:26	20.0	1	EMS
SB-4 @ 12.5	8/11/2014	11:38	0.1	28.2	11:55	20.0	1	EMS

DF

Dilution Factor

NA

Not Analyzed

PQL

Practical Quantitation Limit

Total Petroleum Hydrocarbons - USEPA 418.1

Page 1 Report Finalized: 8/11/14

Sample ID	Collection	Collection	OVM	Field TPH*	Field TPH Analysis Time	TPH PQL	DF	TPH Analysts Initials
Sample ID	Date	Time	(ppm)	(mg/kg)	Time	(mg/kg)	DF	Initials

*Field TPH concentrations recorded may be below PQL.

Analyst: Sinh Sh

AES Field Sampling Report



Client: ConocoPhillips

Project Location: Nye SRC #14

Date: 9/18/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	9/18/2014	10:50	103	103	11:23	20.0	1	EMS
SC-2	9/18/2014	9:27	19.5	32.8	10:35	20.0	1	EMS
SC-3	9/18/2014	10:55	12.6	55.1	11:25	20.0	1	EMS
SC-4	9/18/2014	9:35	34.8	44.0	10:37	20.0	1	EMS
SC-5	9/18/2014	9:29	1,025	80.3	10:33	20.0	1	EMS

DF Dilution Factor NA Not Analyzed

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Suih Syl

Page 1 Report Finalized: 9/18/14



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

July 31, 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071

FAX

RE: CoP Nye SRC #14

OrderNo.: 1407D67

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/30/2014 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1407D67

Date Reported: 7/31/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: TH-1 @ 15'

Project: CoP Nye SRC #14

Collection Date: 7/28/2014 5:35:00 PM

Lab ID: 1407D67-001

Matrix: MEOH (SOIL) Received Date: 7/30/2014 6:45:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	: BCN
Diesel Range Organics (DRO)	880	100		mg/Kg	10	7/30/2014 1:35:02 PM	14492
Surr: DNOP	0	57.9-140	S	%REC	10	7/30/2014 1:35:02 PM	14492
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	580	15		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Surr: BFB	1700	80-120	S	%REC	5	7/30/2014 2:07:54 PM	R20250
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.076		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Toluene	ND	0.15		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Ethylbenzene	ND	0.15		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Xylenes, Total	10	0.30		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Surr: 4-Bromofluorobenzene	248	80-120	S	%REC	5	7/30/2014 2:07:54 PM	R20250

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 4

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 14

1407D67

31-Jul-14

Client:

Animas Environmental

Project:

CoP Nye SRC #14

Sample ID MB-14492	SampT	уре: М	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch	1D: 14	492	F	RunNo: 2	0232				
Prep Date: 7/30/2014	Analysis D	ate: 7/	30/2014	8	SeqNo: 5	88345	Units: mg/k	⟨g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		102	57.9	140			

Sample ID LCS-14492	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range C	Organics	
Client ID: LCSS	Batch	ID: 14	492	F	RunNo: 2	0232				
Prep Date: 7/30/2014	Analysis D	ate: 7/	30/2014	S	SeqNo: 5	88346	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.1	68.6	130			
Surr: DNOP	4.7		5.000		94.8	57.9	140			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 2 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#:

1407D67

31-Jul-14

Client: Project: Animas Environmental

Sample ID MB-14473

CoP Nye SRC #14

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS**

Batch ID: 14473

PQL

RunNo: 20250

Prep Date: 7/29/2014

Analysis Date: 7/30/2014

SeqNo: 588715

Analyte

Units: %REC

Surr: BFB

Result 870

Result

Result

ND

870

22

980

SPK value SPK Ref Val %REC 1000

LowLimit 87.0 80

LowLimit

80

HighLimit %RPD 120

Qual

Sample ID LCS-14473

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

LCSS

Batch ID: 14473

RunNo: 20250

Analyte

Prep Date: 7/29/2014

Analysis Date: 7/30/2014

PQL

SeqNo: 588716 %REC

Units: %REC

Qual

Surr: BFB

980

1000

97 8

HighLimit 120 **RPDLimit**

RPDLimit

Sample ID MB-14473 MK

SampType: MBLK

Analysis Date: 7/30/2014

SPK value SPK Ref Val

TestCode: EPA Method 8015D: Gasoline Range

Client ID: Prep Date:

PBS

Batch ID: R20250

RunNo: 20250

SeqNo: 588721

Units: mg/Kg

Analyte

PQL

SPK value SPK Ref Val

%REC

LowLimit HighLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) Surr: BFB

5.0

1000

87.0

80

120

%RPD

Sample ID LCS-14473 MK

LCSS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range RunNo: 20250

Client ID: Prep Date:

Batch ID: R20250 Analysis Date: 7/30/2014

PQL

5.0

SeqNo: 588722

LowLimit

Units: mg/Kg

HighLimit

134

120

Analyte Gasoline Range Organics (GRO) Surr: BFB

Result

25.00 1000

SPK value SPK Ref Val

%REC 86.0 97.8

71.7 80 %RPD

RPDLimit

Qual

Qualifiers:

E

0

- Value exceeds Maximum Contaminant Level.
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit R RPD outside accepted recovery limits

Value above quantitation range

- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit P Sample pH greater than 2.
- Reporting Detection Limit RL

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#:

1407D67

31-Jul-14

Client: Project:

Animas Environmental CoP Nye SRC #14

Sample ID MB-14473 MK	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batcl	1 ID: R2	0250	F	RunNo: 2	0250				
Prep Date:	Analysis D	ate: 7/	30/2014	S	SeqNo: 5	88740	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID LCS-14473 MK	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: R2	0250	F	RunNo: 2	0250				
Prep Date:	Analysis [Date: 7/	30/2014	5	SeqNo: 5	88741	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.050	1.000	0	86.8	80	120			
Toluene	0.86	0.050	1.000	0	86.1	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

1					
Client Name: Animas Environmental Wor	rk Order Number: 1407	D67		RcptNo	: 1
Received by/date:	114		(7)	ě	
	2014 6:45:00 AM	Struk	Hlygo		
	2014 7:35:41 AM	tinale	Hlows		
1 1 1 1	.014 1.00.41 7111	0.0	77-00-0		
Reviewed By: A 67(30/19	•) is it	2 %	21		
Chain of Custody	Yes	ET No) [†] :	Not Present ✓	
11. Custody seals intact on sample bottles?	Yes		**	Not Present	
2. Is Chain of Custody complete?			•	HOLF FOOD.	
3. How was the sample delivered?	Cou	rier			
<u>Log In</u>		*			
4. Was an attempt made to cool the samples?	Yes	N N	ا: ٥	NA	
* * * * * * * * * * * * * * * * * * *					
5. Were all samples received at a temperature of >0	° C to 6.0°C Yes	✓ No	11	NA '	
6. Sample(s) in proper container(s)?	Yes	N N	o !		
o. Sample(s) in proper container(s)?		1 Date:			
7. Sufficient sample volume for Indicated test(s)?	Yes	✓ No	·		
8. Are samples (except VOA and ONG) properly pres) ! [:]		
9. Was preservative added to bottles?	Yes	No.		NA	*
HOUSE THE STATE OF	Van	[] · No	o i l	No VOA Vials	10 j
10.VOA vials have zero headspace?		+ 17	o W . :		<u></u>
11. Were any sample containers received broken?	100	N 168009		# of preserved bottles checked	
12.Does paperwork match bottle labels?	Yes	(v) N	o .	for pH:	
· (Note discrepancies on chain of custody)		1.2 N		(<) Adjusted?	2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custo	25.	V N	25 000	2 10 DELLE	
14. Is it clear what analyses were requested? 15. Were all holding times able to be met?		Z N		Checked by	r.
(If no, notify customer for authorization.)	, 65	Maria de la companya della companya	:		
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this or	der? Yes	ij N	o · Ì	NA ✓	•
Person Notified:	Date:	TOO TO HEREINA THE STREET STREET	· Hitcheson		
By Whom:	Via: │ i eM	lail Phone	Fax	In Person	
Regarding:					
Client Instructions:	500 Sec 16				
17. Additional remarks:					
18. <u>Cooler Information</u>		SWY	1/24		
Cooler No Temp °C Condition Seal Inte	act Seal No Seal D	ate Signed	Ву		
1 2.4 Good Yes					
Page 1 of 1	ROT 18 19 19	e pos e me			

ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Regulest	BTEX + MTBE + TPH (Gas only) TPH 8015B (GRO, DRO, MRO) TPH (Method 504.1) EDB (Method 504.1)		Date Time Remarks: Bull to Conscord Multips USCUID: KCARCIA Oct codo: C200 Area: 3 Area: 5 Suparvisor: Harry Dee Ordercolby: Travis Andrews accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time: Standard Rush SWW d.u. Project Name: OP Nye SRC # 4- Project #:	Press		
ain-of-Custon Invited Environment Environm	#. Colo Court or Fax#: Package: Ilfation AP	28-14 1735 Soil S-1@15'	Date: Time: Relinquished by:



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

September 25, 2014

Emilee Skyles Animas Environmental 624 East Comanche Farmington, NM 87401 TEL: (505) 564-2281

FAX

RE: CoP NYE SRC #14 OrderNo.: 1409946

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 5 sample(s) on 9/19/2014 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1409946

Date Reported: 9/25/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP NYE SRC #14

Lab ID: 1409946-001

Client Sample ID: SC-1

Collection Date: 9/18/2014 10:50:00 AM

Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	73	10		mg/Kg	1	9/19/2014 12:10:58 PM	15397
Surr: DNOP	89.1	57.9-140		%REC	1	9/19/2014 12:10:58 PM	15397
EPA METHOD 8015D: GASOLINE RAN	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Surr: BFB	130	80-120	S	%REC	1	9/19/2014 11:16:33 AM	R21331
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.038		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Toluene	ND	0.038		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Ethylbenzene	ND	0.038		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Xylenes, Total	ND	0.077		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Surr: 4-Bromofluorobenzene	98.5	80-120		%REC	1	9/19/2014 11:16:33 AM	R21331

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 11

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409946

Date Reported: 9/25/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: CoP NYE SRC #14

Collection Date: 9/18/2014 9:27:00 AM

Lab ID: 1409946-002

Matrix: SOIL

Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/23/2014 2:33:06 PM	15397
Surr: DNOP	100	57.9-140	%REC	1	9/23/2014 2:33:06 PM	15397
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/23/2014 9:40:51 PM	15402
Surr: BFB	94.5	80-120	%REC	1	9/23/2014 9:40:51 PM	15402
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.048	mg/Kg	1	9/23/2014 9:40:51 PM	15402
Toluene	ND	0.048	mg/Kg	1	9/23/2014 9:40:51 PM	15402
Ethylbenzene	ND	0.048	mg/Kg	1	9/23/2014 9:40:51 PM	15402
Xylenes, Total	ND	0.096	mg/Kg	1	9/23/2014 9:40:51 PM	15402
Surr: 4-Bromofluorobenzene	99.5	80-120	%REC	1	9/23/2014 9:40:51 PM	15402

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 11

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409946

Date Reported: 9/25/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP NYE SRC #14

Lab ID: 1409946-003

Client Sample ID: SC-3

Collection Date: 9/18/2014 10:55:00 AM

Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	ORGANICS				Analys	:: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/23/2014 3:03:07 PM	15397
Surr: DNOP	99.9	57.9-140	%REC	1	9/23/2014 3:03:07 PM	15397
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/23/2014 10:09:29 PM	15402
Surr: BFB	95.6	80-120	%REC	1	9/23/2014 10:09:29 PM	15402
EPA METHOD 8021B: VOLATILES					Analys	:: NSB
Benzene	ND	0.049	mg/Kg	1	9/23/2014 10:09:29 PM	15402
Toluene	ND	0.049	mg/Kg	1	9/23/2014 10:09:29 PM	15402
Ethylbenzene	ND	0.049	mg/Kg	1	9/23/2014 10:09:29 PM	1 15402
Xylenes, Total	ND	0.097	mg/Kg	1	9/23/2014 10:09:29 PM	15402
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	9/23/2014 10:09:29 PM	15402

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 3 of 11

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409946

Date Reported: 9/25/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP NYE SRC #14

Lab ID: 1409946-004

Client Sample ID: SC-4

Collection Date: 9/18/2014 9:35:00 AM

Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	ORGANICS				Analyst	: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/23/2014 3:33:22 PM	15397
Surr: DNOP	95.2	57.9-140	%REC	1	9/23/2014 3:33:22 PM	15397
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/23/2014 10:38:07 PM	15402
Surr: BFB	94.7	80-120	%REC	1	9/23/2014 10:38:07 PM	15402
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.047	mg/Kg	1	9/23/2014 10:38:07 PM	15402
Toluene	ND	0.047	mg/Kg	1	9/23/2014 10:38:07 PM	15402
Ethylbenzene	ND	0.047	mg/Kg	1	9/23/2014 10:38:07 PM	15402
Xylenes, Total	ND	0.094	mg/Kg	1	9/23/2014 10:38:07 PM	15402
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	9/23/2014 10:38:07 PM	15402

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 4 of 11

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409946

Date Reported: 9/25/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

CoP NYE SRC #14

Lab ID: 1409946-005

Project:

Client Sample ID: SC-5

Collection Date: 9/18/2014 9:29:00 AM

Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	42	10		mg/Kg	1	9/19/2014 12:32:37 PM	15397
Surr: DNOP	95.0	57.9-140		%REC	1	9/19/2014 12:32:37 PM	15397
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	29	3.6		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Surr: BFB	431	80-120	S	%REC	1	9/19/2014 11:45:08 AM	R21331
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.036		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Toluene	0.060	0.036		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Ethylbenzene	ND	0.036		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Xylenes, Total	0.57	0.072		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Surr: 4-Bromofluorobenzene	118	80-120		%REC	1	9/19/2014 11:45:08 AM	R21331

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 5 of 11

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:	1409946
	25-Sep-14

Client: Anima	as Environmental			
Project: CoP N	IYE SRC #14			1.12.04.41
Sample ID MB-15363	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: PBS	Batch ID: 15363	RunNo: 21269		
Prep Date: 9/18/2014	Analysis Date: 9/18/2014	SeqNo: 620601	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	10 10.00	100 57.9	140	
Sample ID LCS-15363	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: LCSS	Batch ID: 15363	RunNo: 21269		
Prep Date: 9/18/2014	Analysis Date: 9/18/2014	SeqNo: 620602	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	5.2 5.000	104 57.9	140	
Sample ID MB-15397	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: PBS	Batch ID: 15397	RunNo: 21309		
Prep Date: 9/19/2014	Analysis Date: 9/19/2014	SeqNo: 622102	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 10 8.6 10.00	86.2 57.9	140	
Suii. Divor		ALL POLICE TO THE PARTY OF THE	12 7 200/	
Sample ID LCS-15397	SampType: LCS		8015D: Diesel Range C	Organics
Client ID: LCSS	Batch ID: 15397	RunNo: 21309	44.W #21	
Prep Date: 9/19/2014	Analysis Date: 9/19/2014	SeqNo: 622103	Units: mg/Kg	
Analyte	CONTROL IN THE PARTY OF THE PAR	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	48 10 50.00 4.3 5.000	0 95.9 68.6 85.6 57.9	130 140	
	West Control of the C		UP 3/10/00	
Sample ID LCS-15369	SampType: LCS		8015D: Diesel Range C	Organics
Client ID: LCSS	Batch ID: 15369	RunNo: 21309	United 0/ DEC	
Prep Date: 9/18/2014	Analysis Date: 9/19/2014	SeqNo: 622110	Units: %REC	
Analyte		SPK Ref Val %REC LowLimit 100 57.9	HighLimit %RPD 140	RPDLimit Qual
Surr: DNOP	5.0 5.000	100 57.9	140	
Sample ID MB-15369	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	Organics
Client ID: PBS	Batch ID: 15369	RunNo: 21309		
Prep Date: 9/18/2014	Analysis Date: 9/19/2014	SeqNo: 622115	Units: %REC	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
O DNIOD	0.0	00.2 57.0	4.40	

Qualifiers:

Surr: DNOP

Value exceeds Maximum Contaminant Level.

8.9

10.00

- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank

57.9

140

- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- P Reporting Detection Limit
 - Sample pH greater than 2.

Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

RPDLimit

1409946

25-Sep-14

Qual

Qual

Qual

Qual

Client: Project: Animas Environmental CoP NYE SRC #14

1409878-002AMS Sample ID

SampType: MS

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: **BatchQC**

Sample ID 1409878-002AMSD

Batch ID: 15369

RunNo: 21309

Units: %REC HighLimit

Prep Date: Analyte

9/18/2014

Analysis Date: 9/19/2014 **PQL**

SeqNo: 623164

Surr: DNOP

Result 5.1 SPK value SPK Ref Val %REC LowLimit

%RPD

Client ID: BatchQC SampType: MSD Batch ID: 15369 TestCode: EPA Method 8015D: Diesel Range Organics

RunNo: 21309

4.975

9/18/2014 Prep Date:

Analysis Date: 9/19/2014

SeqNo: 623165

Units: %REC

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result PQL I owl imit S 140 Surr: DNOP 7.1 4.955 143 57 9

Sample ID 1409854-001AMS

SampType: MS

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: BatchQC Batch ID: 15363

RunNo: 21369

9/18/2014 Prep Date:

Analysis Date: 9/22/2014

SeqNo: 624223

Units: %REC

140

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

Sample ID 1409854-001AMSD

SampType: MSD

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: BatchQC

Batch ID: 15363

4.5

RunNo: 21369

90.7

Prep Date: 9/18/2014 Analysis Date: 9/22/2014 SeaNo: 624224 Units: %REC

57.9

57.9

Analyte

Surr: DNOP

SPK value SPK Ref Val %REC LowLimit

%RPD **RPDLimit** HighLimit

Surr: DNOP

4.970

49.65

4.965

4.931

140 0 0

Client ID:

Prep Date:

Surr: DNOP

Sample ID 1409946-002AMS SampType: MS

Result

96.5

RunNo: 21369

Batch ID: 15397 Analysis Date: 9/23/2014

SeqNo: 624251

TestCode: EPA Method 8015D: Diesel Range Organics

PQL SPK value Result Analyte Diesel Range Organics (DRO) 57 9.9

0

0

SPK Ref Val

57.9

40.1

57.9

Units: mg/Kg

LowLimit HighLimit %RPD 152 40.1

140

SampType: MSD

99.8

%REC

115

TestCode: EPA Method 8015D: Diesel Range Organics

Sample ID 1409946-002AMSD

SC-2

9/19/2014

Client ID: SC-2

Batch ID: 15397

RunNo: 21369

Prep Date: 9/19/2014 Analysis Date: 9/23/2014

5.0

SegNo: 624424

Units: mg/Kg

Analyte

Result

RPDLimit 32.1

Diesel Range Organics (DRO) Surr: DNOP

PQL 54 9.9

4.8

SPK value SPK Ref Val 49.70

P

4.970

%REC LowLimit 109

97.5

HighLimit 152

140

%RPD 4.80

0

RPDLimit

Qual 0

Qualifiers:

R

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank B
- Holding times for preparation or analysis exceeded H
- Not Detected at the Reporting Limit
- Sample pH greater than 2. Reporting Detection Limit
- Page 7 of 11