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

1642	Proposed Alternative Method Permit of a proposed alternative in Below grade tank registration Permit of a pit or proposed alternative in Closure of a pit, below-grade tank, or proposed alternative in Closure plan only submitted for an exist proposed alternative method **structions: Please submit one application (Form C-144) per indications:	nethod roposed alternative method gistration ting permitted or non-permitted pit, be	JUL 19 2018
	approval of this request does not relieve the operator of liability should approval relieve the operator of its responsibility to comply with any		
Address:	Hilcorp Energy Company 382 Road 3100 Aztec, NM 87410 me: ALLISON UNIT 24		
API Number:	30-045-13187 OCD Permit Number:		
Center of Proposed	M (SW/SW) Section 07 Township 32N Range Design: Latitude 36.98994 □N Longitude -107.50511 Federal State Private Tribal Trust or Indian Allotment	<u>•W</u> NAD: ⊠1927 □ 1983	an
Temporary: Dr	on F, G or J of 19.15.17.11 NMAC rilling	PVC Other	
Volume: Tank Construction Secondary cor Visible sidewa	ank: Subsection I of 19.15.17.11 NMAC 120		
4. Alternative M Submittal of an exc	ethod: ception request is required. Exceptions must be submitted to the S	Santa Fe Environmental Bureau office for	consideration of approval.
Chain link, six institution or church	t, four strands of barbed wire evenly spaced between one and four	ed within 1000 feet of a permanent residen	ce, school, hospital,

Page 1 of 6

•	
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	
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 ☑ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
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. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ 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 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc 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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design 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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
11. 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 doc 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. 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. 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 19.15.17.11 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 H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan	documents are
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
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 F Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	luid Management Pit
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.	
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 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☐ No
within incorporated municipal boundaries of within a defined municipal fresh water well field covered under a municipal ordinance	

1	
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	Yes No
·	163 110
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by 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. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC 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 cannot 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
17. 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 believe	ef.
Name (Print):	
Signature: Date:	
e-mail address:	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number:	}
19. 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. □ Closure Completion Date: 06/01/2018	
20. Closure Method: Waste Excavation and Removal □ On-Site Closure Method □ Alternative Closure Method □ Waste Removal (Closed-loop)	
If different from approved plan, please explain.	op systems only)

,
22.
Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and
belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print) Priscilla Shorty Title: Operations Regulatory Technician Sr.
Signature: Jusulla Storty Date: 6/26/18
e-mail address: <u>pshorty@hilcorp.com</u> Telephone: (505) 324-5188

Hilcorp Energy Company San Juan Basin Below Grade Tank Closure Report

Lease Name: Allison Unit 24

API No.: 30-045-13187

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. HILCORP 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 or is not included in Paragraph (5) 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, HILCORP 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. HILCORP 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. HILCORP 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 HILCORP 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. HILCORP will test the soils beneath the below-grade tank to determine whether a release has occurred. HILCORP 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 HILCORP or the division determines that a release has occurred, then HILCORP shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

A release was not 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 HILCORP shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and revegetate 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 is attached.

9. The surface owner shall be notified of HILCORP'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 sent via email. (See Attached) (Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

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. HILCORP 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 be 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)

Priscilla Shorty

From:

Priscilla Shorty

Sent:

Tuesday, May 29, 2018 3:01 PM

To:

Fields, Vanessa, EMNRD; Smith, Cory, EMNRD

Cc:

'l1thomas@blm.gov'; 'aadeloye@blm.gov'; Jennifer Deal; Bobby Spearman; Ben Mitchell; Lisa Jones; Freddy Proctor;

Terry Gomez; Danny Roberts; Mandi Walker; 'emcnally@animasenvironmental.com';

'tknight@animasenvironmental.com'

Subject:

72 Hour BGT Closure Notification - Allison Unit 24

Subject: 72 Hour BGT Closure Notification

Anticipated Start Date: Friday, June 1, 2018 at approximately 10:00 a.m.

The subject well has a below-grade tank that will begin the closure process between 72 hours and one week from this notification. Please contact me at any time if you have any questions or concerns.

Well Name:

Allison Unit 24

API#:

3004513187

Location:

Unit M (SWSW), Section 07, T32N, R06W

Footages:

890' FSL & 990' FWL

Operator:

Hilcorp Energy

Surface Owner: FEE

Reason:

The well will be twinned with a new drill and facilities will be reset.

Priscilla A. Shorty

San Juan North Regulatory Technician **Hilcorp Energy Company** 505-324-5188 pshorty@hilcorp.com 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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011
bmit 1 Copy to appropriate District Office to

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.

			Rele	ease Notific	eation	and Co	orrective A	ction		
						OPERA'	ГOR	□ In	itial Report	Final Report
Name of Co	ompany H	ilcorp Energ	y Compa	ny		Contact Priscilla Shorty				
		00 Aztec N	-			Telephone No.(505) 324-5188				
Facility Na	Facility Name: Allison Unit 24						e: Gas Well			
Surface Ow	Surface Owner Private Mineral Owner							API 1	No.	
				LOCA	TIOI	OF RE	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line		
M	07	32N	06W	890		South	990	West	San Juan	
		1	_atitude _	36.9899	4	Long	itude107.5	0511		
				NAT	URE	OF REL	EASE			
Type of Rele						Volume of			e Recovered	
Source of Re	elease					Date and F	Hour of Occurrence	Date ar	d Hour of Discov	ery
Was Immedi	ate Notice (If YES, To	Whom?			
			Yes _	No Not Re	equired					
By Whom?						Date and H				
Was a Water	course Read		Yes 🛛 1	No		If YES, Vo	olume Impacting	the Watercourse.		
If a Watergo	urce wee Im	pacted, Descr								
N/A	uise was iiii	pacted, Desci	ibe runy.							
Describe Car	ise of Proble	em and Reme	dial Action	ı Taken.*						
		ered during								
and the same of th	a Affected	and Cleanup	Action Tak	en.*						
N/A										
I hereby cert	ify that the i	nformation of	ven above	is true and compl	ete to th	ne heet of my	knowledge and u	inderstand that n	irsuant to NMOCI	O rules and
									eleases which may	
public health	or the envir	ronment. The	acceptanc	e of a C-141 repo	rt by the	NMOCD m	arked as "Final R	eport" does not r	elieve the operator	r of liability
should their	operations h	ave failed to	adequately	investigate and re	emediate	e contaminati	on that pose a thr	eat to ground wa	ter, surface water,	human health
				tance of a C-141 r	report de	oes not reliev	e the operator of	responsibility for	compliance with	any other
federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION										
Signature:	The	sailla.	Xh?	the						
Approved by Environmental Specialist:										
Printed Nam	e: Priscilla	Shorty				Approved by	Environmental 3	pecialist.		
Title: Opera	tions Regula	atory Technic	ian Sr.			Approval Dat	e:	Expiratio	n Date:	
E-mail Addre	ess: ps	horty@hilcor	p.com			Conditions of Approval:]	
Date: 06/26/2018 Phone: (505) 324-5188										



June 25, 2018

Bobby Spearman Hilcorp Energy Company bspearman@hilcorp.com

RE: Below Grade Tank Closure Report

Allison Unit No. 24 API #3004513187

San Juan County, New Mexico

Dear Mr. Spearman:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at Hilcorp Energy Company (Hilcorp) Allison Unit No. 24, located in San Juan County, New Mexico. Tank removal had been completed by Hilcorp contractors while AES was on site.

1.0 Site Information

1.1 Location

Site Name – Allison Unit No. 24

API# – 3004513187

Legal Description – SW¼, SW¼, Section 7, T32N, R6W, San Juan County, New Mexico

Well Latitude/Longitude – N36.98992 and W107.50576, respectively

BGT Latitude/Longitude – N36.98983 and W107.50609, respectively

Land Jurisdiction – Private

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, June 2018

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

> 1911 Main, Ste 206 Durango, CO 81301 970-403-3084

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: A cathodic protection report form dated May 1991 reported the depth to groundwater as 60 feet below ground surface (bgs). (10 points)
- Wellhead Protection Area: The tank location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: A small unnamed wash is 1,050 feet northeast of the location. Cottonwood Canyon wash is located over 2,000 feet southeast of the location. (0 points)

1.3 BGT Closure Assessment

AES was initially contacted by Bobby Spearman of Hilcorp on May 29, 2018, and on June 1, 2018, Sam Glasses and Sheradan Jacquez of AES mobilized to the location. AES personnel collected one 5-point soil sample (BGT SC-1) composited from four perimeter samples and one center sample of the BGT footprint from below the BGT liner.

2.0 Soil Sampling

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

A portion of BGT SC-1 was utilized for field screening of volatile organic compound (VOC) vapors 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

Soil sample BGT SC-1 was also analyzed in the field for total petroleum hydrocarbons (TPH) 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' Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

2.1.3 Chlorides

Soil sample BGT SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

2.2 Laboratory Analyses

Soil sample BGT SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8260B;
- TPH as Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Motor Oil Range Organics (MRO) per USEPA Method 8015M/D; and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field sampling results and laboratory analytical results are summarized in Tables 1 and 2, respectively, and presented on Figure 2. The AES Field Sampling Report and the laboratory analytical report are attached.

Table 1. Soil Field VOCs, TPH, and Chloride Results Allison Unit No. 24 BGT Closure, June 2018

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	TPH 418.1 (mg/kg)	Field Chlorides (mg/kg)
	CD Action Level		100	250	
(NMAC 1	9.15.17.13E, 20	08)			
BGT SC-1	6/1/18	0.5	2.2	45.3	20

Table 2. Soil Laboratory Analytical Results Allison Unit No. 24 BGT Closure, June 2018

Sample ID	Date Sampled	Depth (ft)	Benzene (8021) (mg/kg)	Total BTEX (8021) (mg/kg)	TPH – GRO (8015) (mg/kg)	TPH – DRO (8015) (mg/kg	TPH – MRO (8015) (mg/kg	Chlorides (300.0) (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13E, 2008)		0.2	50		100		250	
BGT SC-1	6/1/18	0.5	<0.024	<0.219	<4.9	<10	<50	<30

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E (2008). Field TPH concentrations in BGT SC-1 were below the NMOCD action level of 100 mg/kg, with a concentration reported at 45.3 mg/kg. Laboratory analytical results reported benzene and total BTEX concentrations were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Laboratory analytical results also reported TPH (GRO, DRO, and MRO) concentrations in BGT SC-1 (per USEPA Method 8015) as below the NMOCD action levels. Chloride concentrations in BGT SC-1 were below the NMOCD action level of 250 mg/kg. Based on field sampling and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended at Allison Unit No. 24.

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

Sincerely,

David J. Reese

Environmental Scientist

David of Reme

Elizabeth McNally, P.E.

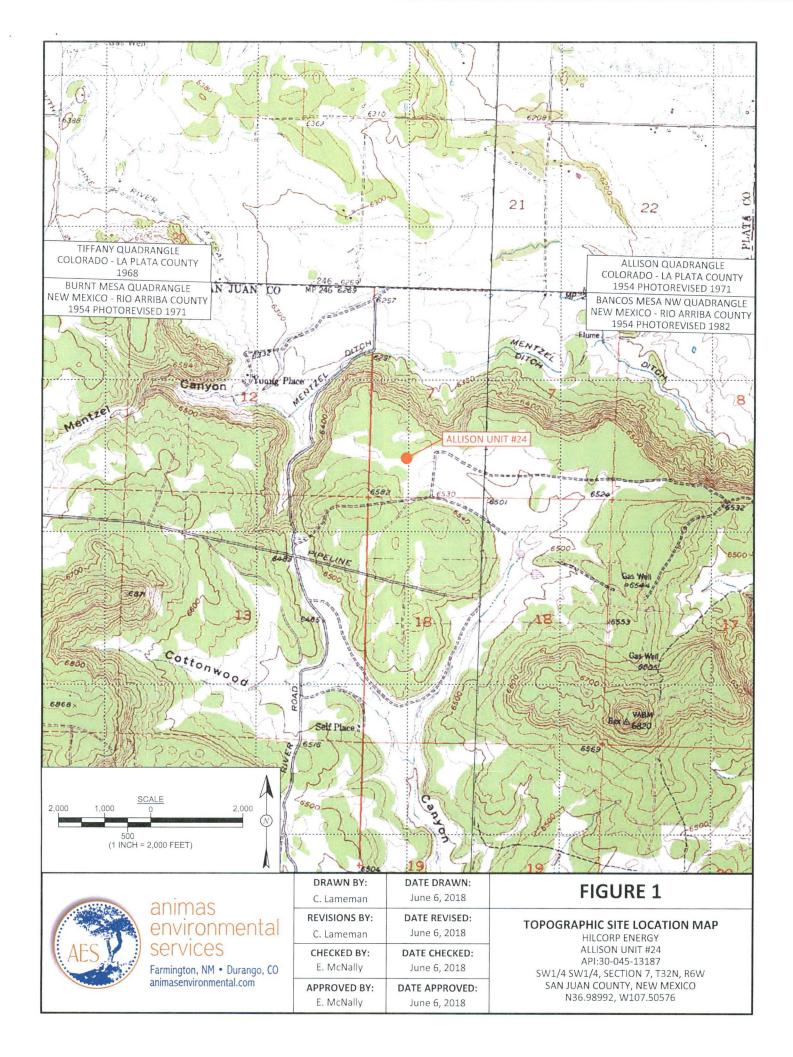
Elizabeth V MeNdly

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, June 2018 AES Field Sampling Report 060118 Hall Analytical Report 1806078

C:\Users\emcnally\Dropbox (Animas Environmental)\0000 aes server client projects dropbox\2018 Client Projects\Hilcorp\North Area\Allison 24\BGT Closure Report Allison 24 062118 DR EM.docx

Figures





Farmington, NM • Durango, CO

animasenvironmental.com

ALLISON UNIT #24 D. Reese June 21, 2018 API:30-045-13187 SW1/4 SW1/4, SECTION 7, T32N, R6W APPROVED BY: DATE APPROVED: SAN JUAN COUNTY, NEW MEXICO E. McNally June 21, 2018 N36.98992, W107.50576



AES Field Sampling Report



Client: Hilcorp Energy

Project Location: Allison Unit No. 24

Date: 6/1/2018

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	PID-OVM (ppm)	Field TPH*	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
Sample 15	Date	Time	Location	(ppiii)	(1118/18)	Time	(1118/118)	DI	IIIICIGIS
BGT SC-1	6/1/2018	11:08	Composite	2.2	45.3	11:19	20.0	1	SJ

DF

Dilution Factor

NA

Not Analyzed

PQL

Practical Quantitation Limit

*TPH concentrations recorded may be below PQL.

Analyst:

Total Petroleum Hydrocarbons - USEPA 418.1

Page 1 Report Finalized: 06/21/18





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

OrderNo.: 1806078

June 21, 2018

Elizabeth McNally
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401

TEL: (505) 564-2281 FAX (505) 324-2022

RE: Hilcorp Allison 24

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/2/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1806078

6/5/2018 7:04:44 PM

6/5/2018 7:04:44 PM

38467

38467

Date Reported: 6/21/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Hilcorp Allison 24

Surr: 4-Bromofluorobenzene

Surr: Toluene-d8

Lab ID: 1806078-001

Client Sample ID: BGT SC-1

Collection Date: 6/1/2018 11:08:00 AM **Received Date:** 6/2/2018 9:32:00 AM

Result PQL Qual Units **DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: MRA 38674 Chloride 6/20/2018 4:20:42 PM ND 30 mg/Kg 20 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: AG Gasoline Range Organics (GRO) ND 4.9 6/5/2018 7:04:44 PM 38467 mg/Kg 70-130 %Rec 6/5/2018 7:04:44 PM 38467 Surr: BFB 123 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: JME Diesel Range Organics (DRO) ND 10 mg/Kg 6/6/2018 7:00:58 AM 38463 Motor Oil Range Organics (MRO) ND 50 mg/Kg 6/6/2018 7:00:58 AM 38463 Surr: DNOP 97.4 70-130 %Rec 6/6/2018 7:00:58 AM 38463 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: AG Benzene ND 0.024 mg/Kg 6/5/2018 7:04:44 PM 38467 Toluene ND 0.049 mg/Kg 6/5/2018 7:04:44 PM 38467 0.049 6/5/2018 7:04:44 PM 38467 Ethylbenzene ND mg/Kg 0.097 6/5/2018 7:04:44 PM 38467 Xvlenes, Total ND mg/Kg

129

99.9

70-130

70-130

%Rec

%Rec

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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1806078

21-Jun-18

Client:

Animas Environmental Services

Project:

Hilcorp Allison 24

Sample ID MB-38674

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 38674

PQL

RunNo: 51988

Prep Date: 6/14/2018

Prep Date: 6/14/2018

Analysis Date: 6/14/2018

Result

SeqNo: 1700144

Units: mg/Kg HighLimit

%RPD

RPDLimit Qual

Analyte Chloride

ND 1.5

Batch ID: 38674

TestCode: EPA Method 300.0: Anions

Client ID:

Sample ID LCS-38674 LCSS

SampType: LCS

RunNo: 51988

Analysis Date: 6/14/2018

SeqNo: 1700145

Units: mg/Kg

Analyte

PQL

SPK value SPK Ref Val %REC 0

SPK value SPK Ref Val %REC LowLimit

LowLimit HighLimit %RPD **RPDLimit**

Qual

95.5

110

Result

15.00

90

Chloride

14

1.5

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 2 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1806078

21-Jun-18

Client:

Animas Environmental Services

Result

46

4.3

10

Project:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Hilcorp Allison 24

Sample ID MB-38463	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 38463	RunNo: 51754
Prep Date: 6/4/2018	Analysis Date: 6/6/2018	SeqNo: 1689350 Units: mg/Kg
Analyte	Result PQL SPK valu	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.0 10.0	00 90.3 70 130
Sample ID LCS-38463	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 38463	RunNo: 51754
Prep Date: 6/4/2018	Analysis Date: 6/6/2018	SeqNo: 1689351 Units: mg/Kg

LowLimit

70

70

92.0

86.2

HighLimit

130

130

%RPD

RPDLimit

SPK value SPK Ref Val %REC

50.00

5.000

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1806078

21-Jun-18

Client:

Animas Environmental Services

Project:

Hilcorp Allison 24

Project: Hilcory	p Allison 24																
Sample ID Ics-38467	SampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List																
Client ID: BatchQC	Batch	Batch ID: 38467 RunNo: 5175						3									
Prep Date: 6/4/2018	Analysis D	s Date: 6/5/2018 SeqNo: 1689409						g									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual							
Benzene	0.92	0.025	1.000	0	91.8	80	120										
Toluene	0.93	0.050	1.000	0	93.2	80	120										
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120										
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120										
Surr: 4-Bromofluorobenzene	0.58		0.5000		116	70	130										
Surr: Toluene-d8 0.49 0.5000 97.6 70 130																	
Sample ID mb-38467	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8260B: Volat	iles Short	List								
Client ID: PBS	Batch	1D: 38	467	R	RunNo: 5	1753											
Prep Date: 6/4/2018	te: 6/4/2018 Analysis Date: 6/5/2018 SeqNo: 1689410						10 Units: mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual							
Analyte Benzene	Result ND	PQL 0.025	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual							
			SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual							
Benzene	ND	0.025	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual							
Benzene Foluene Ethylbenzene	ND ND	0.025 0.050	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual							
Benzene Foluene	ND ND ND	0.025 0.050 0.050	SPK value 0.5000	SPK Ref Val	%REC	LowLimit 70	HighLimit	%RPD	RPDLimit	Qual							

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1806078

21-Jun-18

Client:

Animas Environmental Services

ND

610

5.0

500.0

Project:

Gasoline Range Organics (GRO)

Surr: BFB

Hilcorp Allison 24

Sample ID Ics-38467	SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 38467 RunNo: 51753								
Prep Date: 6/4/2018	Analysis Date: 6/5/2018	SeqNo: 1689389	Units: mg/Kg						
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual						
Gasoline Range Organics (GRO)	26 5.0 25.00	0 103 70	130						
Surr: BFB	540 500.0	109 70	130						
Sample ID mb-38467 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range									
Client ID: PBS	Batch ID: 38467 RunNo: 51753								
Prep Date: 6/4/2018	Analysis Date: 6/5/2018	SeqNo: 1689390	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual						

121

70

130

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 5 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



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

Cli	ent Name:	Animas Env	/ironmental	Work	Order Numb	er: 18060	78		RcptNo	: 1
Rei	ceived By:	Anne Thor	ne	6/2/201	8 9:32:00 A	М	a	ne A.		
	mpleted By: viewed By:	ENH ENH		6/4/201	8 10:58:49 A /18	M	Ü	ag	5	
L	B:	10								
Cha	ain of Cus	tody								
1.	ls Chain of Cu	ustody compl	ete?			Yes 5	N	lo 🖸	Not Present	
2.	How was the	sample delive	ered?			Courie				
Lo	g In									
-	Nas an attem	pt made to co	ool the sampl	es?		Yes 🛚	N	0	NA 🗆	
4. V	Vere all samp	les received	at a temperat	ture of >0° C t	to 6.0°C	Yes 🖢	e N	0	NA 🗆	
5. §	Sample(s) in p	proper contain	ner(s)?			Yes 🔽	N	o 🗆		
6. 8	Sufficient sam	ple volume fo	or indicated te	est(s)?		Yes 🗸	N	o 🗆		
				perly preserve	ed?	Yes 🗹	N			
	Vas preservat					Yes] No	· 🗹	NA 🗆	
9. v	OA vials have	e zero heads	pace?			Yes [] No		No VOA Vials	
10. V	Vere any sam	ple containe	rs received br	roken?		Yes [N	o 🗸	# of proposed	
					×				# of preserved bottles checked	.//
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				of Custody?		Yes 🗸] No		Adjusted?	
	it clear what					Yes 🗸				<i>x</i> -
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Client:	Client: Animas Environmental Services				X Standard □ Rush				= ANALYSIS LABORATORY											
				Project Name:				www.hallenvironmental.com												
Mailing Address: 604 W. Pinon St.				- Hilcorp Allison 24				4901 Hawkins NE - Albuquerque, NM 87109												
Farmington, NM 87401			Project #:				Tel. 505-345-3975 Fax 505-345-4107													
Phone #: 505-564-2281									Analysis Request											
Email or Fax#: emcnally@animasenvironmental.com			Project Manag	jer:	***************************************															
QA/QC Package:																				
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Accreditati ☐ NELAP		□ Othor		Sampler:	SG/SJ X Yes	O No.		SO/D												
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Date	Time	IVIALITA	Sample Request ID	Type and #	Туре	THE AC NO.	1	- 1	-0.										Bubl	
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6/1/18	11:08	Soil	BGT SC-1	2 - 4 oz jars	Cool	-001	X	Х	X											
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Date:	Time:	Relinquish	ed by:	Received by: Date Time				nark												
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ALLISON UNIT 24 30-045-13187 BACKFILL PHOTO

