District I 1625 N. Fgench 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 April 3, 2017

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
Type of action: Below grade tank registration Permit of a pit or proposed alternative method
Closure of a pit, below-grade tank, or proposed alternative method
☐ Modification to an existing permit/or registration ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: BP America Production Company OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: NEIL A 021
API Number: 3004527811 OCD Permit Number: U/L or Qtr/Qtr H Section 33 Township 32N Range 11W County: San Juan
Center of Proposed Design: Latitude 36.942247 Longitude -107.990187 NAD83
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
Dit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management ☐ Low Chloride Drilling Fluid ☐ yes ☐ no
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
■ Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 95 bbl Type of fluid: Produced Water
Tank Construction material. Steel
□ Secondary containment with leak detection □ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other Single wall/ Double bottom; sidewalls not visible 1000000000000000000000000000000000000
Liner type: Thickness mil
4.
☐ Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
s. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital,
institution or church)
Four foot height, four strands of barbed wire evenly spaced between one and four feet



Alternate. Please 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)	
7.	
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 accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable 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 300 feet 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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 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. 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:	

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 19.15.17.10 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 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 Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
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 a 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	
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. Fig. 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 ☐ NA
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 ☐ NA
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 ☐ NA
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	□ Vas □ Na
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes No

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
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plants 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 NMAC 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
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 believed to the best of my knowledge and believed.	
Name (Print): Title:	
Signature: Date:	
Signature	
e-mail address:	
	plsal
e-mail address: Telephone:	the closure report.
e-mail address: Telephone:	the closure report. complete this

22. Departor Closure Certification:	
	mitted with this closure report is true, accurate and complete to the best of my knowledge and blicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator
Signature:UTIN garifialos	Date: April 11, 2018
e-mail address: erin.garifalos@bp.com	Telephone: (832) 609-7048

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

NEIL A 021

API No. 3004527811

Unit Letter H Section 33 T 32N R 11W

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does 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 after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

General Closure Plan

1. BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement.

Notice is attached.

2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.

Notice was provided and is attached.

- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
 - c. Basin Disposal, Permit NM-01-0005 (Liquids)
 - d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
 - e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)

- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported for recycling.

5. BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.

All equipment associated with the BGT has been removed.

6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows;

Constituents	Testing Method	Release Verification	Sample
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.018
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.072
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	< 50
Chlorides	US EPA Method 300.0 or 4500B	620	<30

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

Soil under the BGT was sampled for chloride, TPH and BTEX with all concentrations below the stated limits. The field report and laboratory reports are attached.

7. BP shall notify the division District III office of its results on form C-141. C-141 is attached.

8. If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.

Sampling results indicate a release has not occurred. Attached is a laboratory report and C-141.

9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover, re-contour and re-vegetate the location. The location will be reclaimed if it is not with in the active process area

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report. The location will be reclaimed when the well is plugged and abandoned.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

14. Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves revegetation.

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation.

Closure report on C-144 form is included including photos of reclamation completion.

16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

District I

■ 1625 N. French Dr., Hobbs, NM 88240

District III

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

Oil Conservation Division Santa Fe, NM 87505

Form C-141 Revised April 3, 2017 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 South St. Francis Dr.

			Rele	ease Notific	cation	and Co	rrective A	ction	1					
						OPERA			Initia	al Report		Final Report		
				tion Company	_		Garifalos	7040						
Facility Na			rmingic	on, NM 87401			No. (832) 609- ne: Natural Ga							
Surface Ow				Mineral C						.300452	7011			
Surface Ow	ner. Fede	erai		'					AFINO	.300432	./011			
Unit Letter	Section	Township	Range	LOCA Feet from the		N OF REJ	Feet from the	Fact/	West Line	County				
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		w grade ta	nk - 95	bbl		n/a			n/a					
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By Whom?					•	Date and H					-			
Was a Water	course Read		Yes 🗸	l No		If YES, Vo	lume Impacting t	he Wat	ercourse.					
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II a watercoo	irse was iiii	pacted, Descri	be rully.											
	25 11			T. I										
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							d for Chloric							
					re sta	ndards. F	Field reports	and	aborato	ry results	are	attached.		
Describe Are	a Affected	and Cleanup A	Action Tak	en.* No actio	n nec	essarv. F	inal laborate	orv a	nalvsis d	determin	ed no			
						n is requ		J. J.	, , , , , ,					
I hereby certi	fy that the i	information gi	ven above	is true and comp	lete to th	ne best of my	knowledge and u	ndersta	nd that purs	suant to NM	OCD ru	iles and		
				nd/or file certain rece of a C-141 repo										
				investigate and retance of a C-141										
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Signature	run g	augalo	4											
Signature:	Frin G	arifalos				Approved by	Environmental S	pecialis	t:					
					-									
		onmenta			1	Approval Dat	e:		Expiration 1	Date:				
E-mail Addre	es: erin.	garifalos	@bp.	com		Conditions of	Approval:			Attached				
Date: April				(832) 609-70	048					Attached				
* Attach Addi				(302) 000 70						1				



BP America Production Company 380 Airport Rd Durango, CO 81303 Phone: (970) 247 6800

February 2, 2018

Bureau of Land Management Whitney Thomas 6251 College Suite A Farmington, NM 87402

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank Well Name: NEIL A 021

API #: 3004527811

Dear Mrs. Thomas,

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about February 8, 2018. If there aren't any unforeseen problems, the work should be completed within 10 working days.

As a point of clarification, BP will be closing the below grade tank and either operating without one or replacing it with an above ground tank, the well site will continue to operate.

If witnessing of the tank removal is required please contact me for a specific time (832)-609-7048.

Sincerely,

Erin Garifalos

BP America Production Company

From:

Buckley, Farrah (CH2M HILL)

To:

Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa, Fields@state.nm.us)

Cc:

ieffcblagg@aol.com; blagg_niv@yahoo.com; Garifalos, Erin

Subject: Date: BP Pit Close Notification - NEIL A 021 Friday, February 02, 2018 11:26:05 AM

> BP America Production Company 380 Airport Rd Durango, CO 81303 Phone: (970) 247 6800

SENT VIA E-MAIL TO: <u>CORY.SMITH@STATE.NM.US</u>; <u>VANESSA.FIELDS@STATE.NM.US</u>

February 2, 2018

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

RE: Notice of Proposed Below-Grade Tank (BGT) Closure

NEIL A 021 API 30-045-27811 (H) Section 33 – T32N – R11W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to a 95bbl and a 21bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around February 8, 2018.

Should you have any questions, please feel free to contact BP at our Durango office.

Sincerely,

Erin Garifalos

Field Environmental Coordinator - San Juan

Cell: 832-609-7048

A 1 ()

Farrah Buckley BGT Project Support 970-946-9199 -cell

This email and any attachments are intended only for the addressee(s) listed above and may contain confidential, proprietary, and/or privileged information. If you are not an intended recipient, please immediately advise the sender by return email, delete this email and any attachments, and destroy any copies of same. Any unauthorized review, use, copying disclosure or distribution of this email and any attachments is prohibited.

CLIENT: BP	P.O. BOX 87, BI	NGINEERING, INC. LOOMFIELD, NM 8	7413	API #: 300452	_
	(50	5) 632-1199		(if applicble):	A
FIELD REPORT:	(circle one): BGT CONFIRMATION /	RELEASE INVESTIGATION / OTHER	₹:	PAGE #: 1	of
SITE INFORMATION	J: SITE NAME: NEIL A	# 21		DATE STARTED: 02	/09/18
QUAD/UNIT: H SEC: 33 TWP:	32N RNG: 11W PM:	NM CNTY: SJ S	ST: NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 2,305'N / 1,12 LEASE #: SF078051		YPE: FEDERAL STATE / FEE STRIKE ONTRACTOR: BP - J. GONZ		ENVIRONMENTAL SPECIALIST(S):	JCB
REFERENCE POINT					
OF DCT (CM/DD) A		COORD.: 36.94218 X 42247 X 107.990187		GL ELEV.: RING FROM W.H.: 86', I	6,127 N73W
2)				RING FROM W.H.:	
3)				RING FROM W.H.:	
	GPS COORD.:		DISTANCE/BEAR	RING FROM W.H.:	OVM
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OF		901	5B/8021B/300.0 (CI)	(ppm)
1) SAMPLE ID:			0 11 010.	3B/802 1B/300.0 (CI)	0.0
3) SAMPLE ID:			NALYSIS:		
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB A	NALYSIS:		
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB AT	NALYSIS:		
SOIL DESCRIPTION SOIL COLOR: DARK YEL COHESION (ALL OTHERS): NON COHESIVE SLIGHTL CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY / SLIGHTLY MOIST MOIST / W SAMPLE TYPE: GRAB COMPOSITE # DISCOLORATION/STAINING OBSERVED: YES MARKED	LOWISH ORANGE Y COHESIVE / COHESIVE / HIGHLY COHESIVE DOSE FIRM / DENSE / VERY DENSE JET / SATURATED / SUPER SATURATED # OF PTS. 5	PLASTICITY (CLAYS): NON PLASTIC / SLIV DENSITY (COHESIVE CLAYS & SILTS HC ODOR DETECTED: YES NO EXPL ANY AREAS DISPLAYING WETNESS: Y	GHTLY PLASTIC / CO S): SOFT / FIRM / :	STIFF / VERY STIFF / HARD	GHLY PLASTIC
SITE OBSERVATION		YES NO EXPLANATION -			
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: BGT BEDDED ON PEA GRAVEL	ED AND/OR OCCURRED: YES NO EXPLAYES NO EXPLANATION - 105 BBL	ANATION:	VE-GRADE TAN	NK TO BE SET ATOP BG	LOCATION.
EXCAVATION DIMENSION ESTIMATION:	: NA ft. X NA	ft. X NA ft. EX	(CAVATION EST	IMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100'	NEAREST WATER SOURCE: >1,000'		,000' NMOC	D TPH CLOSURE STD: 1	,000 ppm
SITE SKETCH	BGT Located: off on site	PLOT PLAN circle:	attached 0\M	CALIB. READ. = 100.2	ppm RF=1.00
	(95)- FENCE PBG	TL	N TIME		ppm 02/09/18
	T.B. ~			EF#: P-929	
	BERM (x x x)			D: VHIXONEVE	12
			_	J#:	
SEPAR	RATOR →	TO	Pe	ermit date(s): 06/	14/10
GELA	WHOM I	W.H.			02/16
			Tan ID	ppm = parts per millior	1
			Α		
		Χ -	S.P.D.	BGT Sidewalls Visible: Y	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION			WELL HEAD;	BGT Sidewalls Visible: Y	
	.OW-GRADE TANK LOCATION;	The state of the s	M M	agnetic declination: 1	0 E
NOTES: GOOGLE EARTH IMAG		ONSITE: 02/09/18			

Analytical Report

Lab Order 1802640

Date Reported: 2/14/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 95 BGT(A) 5-pt. @ 5'

Project: NEIL A 21

Collection Date: 2/9/2018 12:20:00 PM

Lab ID: 1802640-001

Matrix: SOIL

Received Date: 2/10/2018 9:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	2/12/2018 10:35:16 AM	36462
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst:	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/12/2018 10:40:38 AM	36460
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/12/2018 10:40:38 AM	36460
Surr: DNOP	95.6	70-130	%Rec	1	2/12/2018 10:40:38 AM	36460
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	2/12/2018 9:55:03 AM	G49051
Surr: BFB	93.3	15-316	%Rec	1	2/12/2018 9:55:03 AM	G49051
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.018	mg/Kg	1	2/12/2018 9:55:03 AM	B49051
Toluene	ND	0.036	mg/Kg	1	2/12/2018 9:55:03 AM	B49051
Ethylbenzene	ND	0.036	mg/Kg	1	2/12/2018 9:55:03 AM	B49051
Xylenes, Total	ND	0.072	mg/Kg	1	2/12/2018 9:55:03 AM	B49051
Surr: 4-Bromofluorobenzene	94.2	80-120	%Rec	1	2/12/2018 9:55:03 AM	B49051

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 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Standard Project Name: NEIL A # 21 Application Standard Project Name: NEIL A # 21 Application Application Neil A # 21 Application Ap	C	hain-c	of-Cus	tody Record	Turn-Around T	ime:	SAME							-	RES.	FTE	20		ME	: NIT	ra i		
Project Name: Www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3107	Client:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	(Rush																	
Mailing Address: P.O. BOX 87 NEIL A # 21 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Tel. 505-345-3975 Fax 505-345-34107 Tel. 505-										e united										* # *		L R	
Project #: Tel. 505-345-3975 Fax 505-345-4107	Mailing A	ddress:	P.O. BO	X 87		NEIL A #	21		49	01 H										9			
Phone #: (505) 632-1199 email or Fax#: QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation) Accreditation: ☐ NELAP ☐ Other ☐ Sample Request ID Date Time Matrix Sample Request ID Time Time Matrix Sample Request ID Time Matrix Sample Request ID Time Time Time Time Remarks: BILDIRECTIV TO BP USING THE CONTACT WITH CORRESPONDING A RECEIVED BY: A REFERENCE WHISH NAPPLICABLE:			BLOOM	FIELD, NM 87413	Project #:			1											100				
ERIN GARIFALOS FRIN GARIFALOS FRI	Phone #:		(505) 63	2-1199	1			FI				Th				-	-						
Standard		ax#:			Project Manag	jer.													77		T		
2/9/18 1270 SOIL 95 BGT(A) 5-pt. @ 5		_		Level 4 (Full Validation)		ERIN GARI	FALOS	0218)	only)	MRO)			IS)		04,50	PCB's						0.	
2/9/18 1270 SOIL 95 BGT(A) 5-pt. @ 5	Accreditat	tion:			Sampler:	NELSON VI	ELEZ)8) €	(Gas	_	1	1	SIM		02,6	3082			wat			mpk	
2/9/18 1/20 SOIL 95 BGT(A) 5-pt. @ 5	□ NELAP	-	☐ Other					1	TPH	0/0	418.	504.	8270	10	03,1	sy/s		(A)	0.00				N
2/9/18 1/20 SOIL 95 BGT(A) 5-pt. @ 5		Гуре)				erature 3.6	-05(Gr)=3.1	ŧ	+	(GRC	po	bo	or	tals	N.	cide	F	-\-\-			<u>e</u>	osit	(70
2/9/18 270 SOIL 95 BGT(A) 5-pt. @ 5 4 oz1 Cool -00 V V V V V V V V V	Date	Time	Matrix	Sample Request ID	Type and #			BTEX +-MTB	BTEX + MTB	TPH 8015B	TPH (Meth	EDB (Meth	PAH (8310	RCRA 8 Me	Anions (F,0	8081 Pesti	8260B (VO	8270 (Sem	Chloride (so		Grab samp	5 pt. comp	Air Bubbles (Y or N)
Date: Time: Relinquished by: Received by: Date Time Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING A PART OF THE CONTACT WITH CORRESPONDING A	2/9/18	1220	SOIL	95 BGT(A) 5-pt. @ 5		Cool		٧		٧									٧			٧	
Date: Time: Relinquished by: Received by: Date Time Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING REFERENCE # WHEN APPLICABLE;																			П				
Date: Time: Relinquished by: Received by: Date Time Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING REFERENCE # WHEN APPLICABLE;	2/9/10		SOIL	24 DCT(9) 5 pt. @ (402, 1	Gool	002	4		4									4		7	4	-
2/9/18 1/15 All Black Charles 2/9/15 //1/15 8. REFERENCE # WHEN APPLICABLE;																			\Box		\neg		
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2/9/18 1/15 All Black Charles 2/9/15 //1/15 8. REFERENCE # WHEN APPLICABLE;		-						_			Н	_	Н	_	_	_	_			\vdash	\dashv	\dashv	
2/9/18 1/15 All Black Charles 2/9/15 //1/15 8. REFERENCE # WHEN APPLICABLE;											H	_			-	-	_	_	\square		\dashv	\dashv	
2/9/18 1/15 All Black Charles 2/9/15 //1/15 8. REFERENCE # WHEN APPLICABLE;	Deter	Time	Dellaguich	ad bug	Descined his		Data Time	Dow	arke	\bigsqcup		MARC		2.00	L	-	COAD				5003	-	
THE PART OF THE PA	2/9/18	le10	Jell	Blegg	CAAL A	Lhete					& REI	EREN	ICE#	WHE	N APP	LICA	BLE;		VIII	OKKE	PUNI	JING	VID
Date: Time: Refinquished by: Received by: Counter Date Time VID: VHIXONEVB2			Relinquish	ed by:	Received by:	courier	710	1							/ VA	NCE	nix()N					
2/q/18 1751 / Must Would Spl_ 02/10/18 0900 Reference # P-929 If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	2/9/18	1751	1 chr	est Waller	Spho	02/1			eren	ce#	_	P -	929	_									

Hall Environmental Analysis Laboratory, Inc.

WO#:

1802640

14-Feb-18

Client:

Blagg Engineering

Project:

NEIL A 21

Sample ID MB-36462

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

LCSS

Prep Date: 2/12/2018

Batch ID: 36462

RunNo: 49047

Prep Date: 2/12/2018

Analysis Date: 2/12/2018

SeqNo: 1579653

Units: mg/Kg

Qual

Analyte Chloride

Result PQL ND

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

RPDLimit

Client ID:

Sample ID LCS-36462

SampType: Ics Batch ID: 36462

RunNo: 49047

TestCode: EPA Method 300.0: Anions

Units: mg/Kg

110

Analyte

Analysis Date: 2/12/2018

1.5

SeqNo: 1579654 %REC

HighLimit

%RPD **RPDLimit**

Qual

Chloride

14

15.00

SPK value SPK Ref Val

0

91.9

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% 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 6

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#:

1802640

14-Feb-18

Client:

Blagg Engineering

Project:

NEIL A 21

Sample ID LCS-36460	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS		ID: 36			RunNo: 4		001011112121	ooo. rang	o organioo	
Prep Date: 2/12/2018	Analysis D				SeqNo: 1		Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.4	70	130			
Surr: DNOP	4.4		5.000		88.1	70	130			

Sample ID MB-36460	SampT	ype: ME	BLK	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 36460			RunNo: 49038						
Prep Date: 2/12/2018	Analysis Da	ate: 2/	12/2018	S	eqNo: 1	578735	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.0	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 4 of 6

- 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#:

1802640

14-Feb-18

Client:

Blagg Engineering

Project:

NEIL A 21

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

Batch ID: G49051

RunNo: 49051

Prep Date:

Analysis Date: 2/12/2018

SeqNo: 1579332

Units: mg/Kg

Analyte

Result PQL

LowLimit

LowLimit

15

RPDLimit

Gasoline Range Organics (GRO)

PBS

ND

%RPD

920

1000

91.8

316

HighLimit

Surr: BFB

TestCode: EPA Method 8015D: Gasoline Range

Sample ID 2.5UG GRO LCS Client ID: LCSS

SampType: LCS

SPK value SPK Ref Val

SPK value SPK Ref Val %REC

RunNo: 49051

Prep Date:

Surr: BFB

Batch ID: G49051

Analysis Date: 2/12/2018

PQL

5.0

SeqNo: 1579333

Units: mg/Kg

HighLimit

RPDLimit Qual

Analyte Gasoline Range Organics (GRO) Result 25 1100

25.00 1000

%REC 101 106

0

75.9 15

131 316 %RPD

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- 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
- J Analyte detected below quantitation limits
- Sample pH Not In Range P

Reporting Detection Limit

RL

Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1802640

14-Feb-18

Client:

Blagg Engineering

Project:

NEIL A 21

Sample ID RB Client ID: Prep Date:

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

LowLimit

RunNo: 49051

Analysis Date: 2/12/2018

Batch ID: **B49051**

SeqNo: 1579338

Units: mg/Kg HighLimit

%RPD **RPDLimit** Qual

RPDLimit

Qual

Analyte Result PQL SPK value SPK Ref Val %REC 0.025 Benzene ND ND 0.050 Toluene 0.050 Ethylbenzene ND ND 0.10 Xylenes, Total Surr: 4-Bromofluorobenzene 0.96

Client ID: LCSS

Sample ID 100NG BTEX LCS

SampType: LCS Batch ID: **B49051**

TestCode: EPA Method 8021B: Volatiles

80

RunNo: 49051

95.6

Units: mg/Kg

120

Prep Date: Analysis Date: 2/12/2018 SeqNo: 1579339 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 0.025 0.99 1.000 98.5 77.3 128 Benzene 0 79.2 Toluene 0.98 0.050 1.000 0 98.4 125 0.96 0.050 1.000 0 96.2 80.7 127 Ethylbenzene 0 98.4 81.6 Xylenes, Total 3.0 0.10 3.000 129 Surr: 4-Bromofluorobenzene 0.94 1.000 93.7 80 120

1.000

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
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 6 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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

Client Name: BLAGG Work Order N			umber: 1802640				RcptNo: 1			
Received By:	eived By: Sophia Campuzano 2/10/2018 9:00:00						Sophia Caga-			
Completed By: Sophia Campuzano 2/10/2018 11:49:12			AM .	AM .			Joghie Carpe			
Reviewed By:	A 02/12/18									
Labeled	By: The 02/10	118 /AT 0212	//					,		
Chain of Cus	tody									
1. Is Chain of Custody complete?			Yes	~	No		Not Present			
2. How was the sample delivered?			Cou	<u>rier</u>						
Log In										
Was an attempt made to cool the samples?			Yes	\checkmark	No		NA 🗆			
						_				
4. Were all samples received at a temperature of >0° C to 6.0°C			Yes	✓	No		NA 🗆			
5. Sample(s) in proper container(s)?			Yes	\checkmark	No					
C. Cufficient com	unto contrare for indicated to at	(a)2	V	✓	No					
6. Sufficient sample volume for indicated test(s)?			Yes	V	No					
7. Are samples (except VOA and ONG) properly preserved?8. Was preservative added to bottles?			Yes		No		NA 🗆			
o. was preserva	live added to bottles?		168		NO		14A L			
9. VOA vials have zero headspace?			Yes		No		No VOA Vials 🗹			
10. Were any sample containers received broken?		Yes		No	~	# of preserved	-			
					1		bottles checked			
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)			Yes	\checkmark	No	_	for pH: (<2 or	>12 unless noted)		
12. Are matrices correctly identified on Chain of Custody?			Yes	✓	No		Adjusted?			
13. Is it clear what analyses were requested?			Yes	V	No					
14. Were all holding times able to be met?			Yes	Y	No		Checked by:	_		
(If no, notify cu	ustomer for authorization.)									
Special Handl	ing (if applicable)									
15. Was client no	tified of all discrepancies wit	h this order?	Yes		No		NA 🗹			
Person	Notified:	Date:	T			and other		1		
By Who	om:	Via:	☐ eM	ail Ph	none 🗌	Fax	☐ In Person	İ		
Regardi										
Client Ir	nstructions:		1000 ×		797 9 9 - K	x x x				
16. Additional rer	marks:									
17. Cooler Information										
Cooler No	The state of the s	Seal Intact Seal No	Seal D	ate	Signed B	y				
0	3.1 Good Y	es								



