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 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 Ta	ınk, or	
6169	Proposed Alternation	tive Method Permit or		<u>Application</u>
	Closure of a Modification	pit or proposed alternative met a pit, below-grade tank, or prop on to an existing permit/or regis	osed alternative me tration	ethod permitted pit, below-grade tank,
	Instructions: Please submit one app	plication (Form C-144) per individ	lual pit, below-grade	tank or alternative request
	that approval of this request does not relie	eve the operator of liability should or	erations result in pollu	tion of surface water, ground water or the ental authority's rules, regulations or ordinances.
Operator: BP	America Production Company		OGRID #: 778	OIL CONS. DIV DIST, 3
	Energy Court, Farmington, NM 8	7401		01L 00110. DIV DIO 1. 0
	name: ATLANTIC B LS 003A			DEC 08 2017
	Contain three tones contained her	OCD Permit N	umber:	
U/L or Qtr/Qtr	004522989 I Section 04	Township 30N Range	e 10W Cour	nty: San Juan
Center of Propo	sed Design: Latitude 36.838249	Longitude -1	07.882266	NAD83
Surface Owner:	■ Federal □ State □ Private □ Tril	bal Trust or Indian Allotment		
☐ Permanent ☐ Lined ☐ U		mil LLDPE HDPE	PVC Other	
Volume: 95 Tank Construct Secondary Visible side	e tank: Subsection I of 19.15.17.11 N bbl Type of fluid: fon material: Steel containment with leak detection	Produced Water isible sidewalls, liner, 6-inch lift ar		
5. Fencing: Subse	exception request is required. Exception D of 19.15.17.11 NMAC (Applied	s to permanent pits, temporary pits	s, and below-grade ta	
institution or ch	ight, four strands of barbed wire evenly		thin 1000 feet of a per	rmanent residence, school, hospital,

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 acceptance 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
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
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 docattached. 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	documents are
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 ☐ 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 19.15.17.12 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	
13. Proposed Closure: 19.15.17.13 NMAC	
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	Total Management Dit
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F Alternative Proposed Closure Method: Waste Excavation and Removal	fuid Management Pit
☐ 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	
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	
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. In 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 ☐ 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	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	
Within a 100-year floodplain FEMA map	Yes No
7.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
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. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	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 beli	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
OCD Approval: ☐ Permit Application (including closure plan) ☑ Closure (Plan (only)) ☐ OCD Conditions (see attachment) OCD Representative Signature:	20/17
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: 10/11/2017	
20.	
Closure Method:	
■ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-lo ☐ If different from approved plan, please explain.	oop systems only)

22.	
Operator Closure Certification:	
	mitted with this closure report is true, accurate and complete to the best of my knowledge and plicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator
Signature:UTIN garifialos	Date: December 6, 2017
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

ATLANTIC B LS 003A

API No. 3004522989

Unit Letter I Section 04 T 30N R 10W

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	< 0.017
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.069
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<49
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.

BP did not meet the 60 closure completion requirement due to an error in internal tracking. 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 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

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notificat	tion	and Co	rrective A	ction	1					
		OPERAT	ГOR		Initia	al Report		Final Report		
Name of Company BP America Production Company	Contact Erin Garifalos Telephone No. (832) 609-7048									
Address 200 Energy Court, Farmington, NM 87401 Facility Name ATLANTIC B LS 003A	Telephone No. (832) 609-7048 Facility Type: Natural Gas Well									
			C. Natural Gas Wei	'	T . = = = =					
Surface Owner: Federal Mineral Own	ner: F	ederal			API No	.3004522989				
		OF REI								
		South Line	Feet from the		West Line	County	on	luon		
I 04 30N 10W 1,800 S	ou	th	825	Eas	st	3	an	Juan		
Latitude 36.838249	Lo	ngitude -10	07.882266	NAD	83					
		OF RELI								
Type of Release:: none			Release:: unkno			Recovered:: N				
Source of Release: below grade tank - 95 bbl		Date and H	our of Occurrence	e:	Date and n/a	Hour of Disc	overy:			
Was Immediate Notice Given?	. ,	If YES, To	Whom?							
Yes V No Not Requ	ired	Data and H								
By Whom? Was a Watercourse Reached?		Date and H	our lume Impacting t	he Wat	ercourse.					
☐ Yes ☑ No			1 0							
If a Watercourse was Impacted, Describe Fully.*										
Describe Cause of Problem and Remedial Action Taken.*	na o	f the soil	beneath the	BGT	was do	ne durino	rem	noval.		
· ·	_		d for Chlorid			_				
closure	star	ndards. F	ield reports	and I	aborato	y results	are	attached.		
Describe Area Affected and Cleanup Action Taken.*	2000	occar, E	inal laborate	251.01	anlunia e	lotormino	d no			
remedial a		-	inal laborato	ory ar	lalysis C	etermine	anc)		
Temediai a	CtiOi	i is requi	ieu.							
I hereby certify that the information given above is true and complete	to the	e best of my	knowledge and u	ndersta	nd that purs	uant to NMO	CD ru	les and		
regulations all operators are required to report and/or file certain release	se no	tifications an	d perform correc	tive act	ions for rele	eases which n	nay en	danger		
public health or the environment. The acceptance of a C-141 report be should their operations have failed to adequately investigate and reme										
or the environment. In addition, NMOCD acceptance of a C-141 repo										
federal, state, or local laws and/or regulations.			OIL CONS	CEDI	ATION	DIVISIO	NT.			
Orin Mrillala			OIL CON	SERV	ATION	DIVISIO	N			
Signature:		11	. 10							
Signature: Printed Name: Erin Garifalos	A	approved by	Environmental S _I	pecialis	t:					
Title: Field Environmental Coordinator	A	pproval Date	e:		Expiration I	Date:				
E-mail Address: erin.garifalos@bp.com		onditions of				Attached				
	1							The state of the s		

^{*} Attach Additional Sheets If Necessary

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

October 3, 2017

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: ATLANTIC B LS 003A API #: 3004522989

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 October 6, 2017. 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:

jeffcblagg@aol.com; blagg_njv@yahoo.com; Garifalos, Erin

Subject: Date: BP Pit Close Notification - ATLANTIC B LS 003A

Tuesday, October 03, 2017 1:55:47 PM

BP America Production Company

200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

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

October 3, 2017

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

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

ATLANTIC B LS 003A API 30-045-22989 (I) Section 4— T30N — R10W 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 close a 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around October 6, 2017.

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

Sincerely,

Erin Garifalos

Field Environmental Coordinator – San Juan Cell: 832-609-7048

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, B	NGINEERING, IN LOOMFIELD, NN 5) 632-1199		API #: 30045 TANK ID (if applicble):	22989 A
FIELD REPORT:	(circle one): BGT CONFIRMATION /	RELEASE INVESTIGATION / C	OTHER:	PAGE #: 1	of1
SITE INFORMATION	I: SITE NAME: ATLAN	TIC B LS #3A		DATE STARTED: 1	0/06/17
QUAD/UNIT: SEC: 4 TWP:	30N RNG: 10W PM:	NM CNTY: SJ	ST: NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 1,800'S / 829		YPE: FEDERAL/STATE/ STRIKE DNTRACTOR: MBF-R.F		ENVIRONMENTAL SPECIALIST(S):	NJV
REFERENCE POINT		COORD.: 36.8384		GL ELEV.:	6.407'
OF DOT (OM/DD)		38249 X 107.882266		RING FROM W.H.: 97.5	_
2)		700 10 X 1071002 200		RING FROM W.H.:	
3)				RING FROM W.H.:	
	GPS COORD.:			RING FROM W.H.:	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # 0			ACTION VETE.	OVM READING
1) SAMPLE ID: 5PC - TB @ 5' (9				15B/8021B/300.0 (CI)	(ppm)
	SAMPLE DATE:			100/00210/000.0 (01)	INA
	SAMPLE DATE:				
4) SAMPLE ID:					
SOIL DESCRIPTION	SAMPLE DATE:				
COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY/SLIGHTLY MOIST MOIST / W SAMPLE TYPE: GRAB (COMPOSITE) # DISCOLORATION/STAINING OBSERVED: YES [N	DOSE FIRM DENSE / VERY DENSE ET / SATURATED / SUPER SATURATED # OF PTS D EXPLANATION	DENSITY (COHESIVE CLAYS & HC ODOR DETECTED: YES NO ANY AREAS DISPLAYING WETNES YES NO EXPLANATION -	EXPLANATION -		
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: NMOCD OR REPS. NOT PRESE	DAND/OR OCCURRED: YES NO EXPL YES NO EXPLANATION - 105 BBL	ANATION: SHALLOW LOW PROFILE	ABOVE-GRADE TA	NK TO BE SET ATOP BO	GT LOCATION.
EXCAVATION DIMENSION ESTIMATION:	NA ft. X NA	ft. X NA ft.	EXCAVATION EST	TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,000'	NEAREST SURFACE WATER:	<1,000' NMOC	D TPH CLOSURE STD:	1,000 ppm
SITE SKETCH	BGT Located: off on site	PLOT PLAN circ	le: attached OVM	CALIB. READ. = NA	ppm RF =1.00
		W.H.			ppm NA OTES
CEDAL	RATOR				OTES
SEPA	RATOR COMPRESSOR	l .	_	VO: EF #: P-889	
				ID: VHIXONEV	11
BERM			_	J#:	-
				ermit date(s):	
WOODEN	X SEPARA	TOR		CD Appr. date(s):	
R.W.	(95)-A FENCE		Tar	ovM = Organic Vapo	
	PBGTL T.B. ~ 6' B.G.			pp. parte per min	
	D.G.	Y	(- S.P.D.	BGT Sidewalls Visible:	Y / N
NOTES: BGT = BELOWAGRADE TANK; E.D. = EXCAVATION	ON DEPRESSION; B.G. = BELOW GRADE: B = BE			BGT Sidewalls Visible:	Y / N
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGLE	OW-GRADE TANK LOCATION; SPD = SAMPLE PO E WALL; DW - DOUBLE WALL; SB - SINGLE BOTT	DINT DESIGNATION; R.W. = RETAINING OM; DB - DOUBLE BOTTOM.	WALL; NA - NOT N	lagnetic declination:	10° E
NOTES: GOOGLE EARTH IMAGE	ERY DATE: 3/15/2015.	ONSITE: 10/06/	17		

Analytical Report

Lab Order 1710437

Date Reported: 10/11/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 5' (95)-A

Project: ATLANTIC B LS #3A

Collection Date: 10/6/2017 1:15:00 PM

Lab ID: 1710437-001

Matrix: SOIL

Received Date: 10/7/2017 10:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	10/9/2017 1:34:36 PM	34306
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANIC	S			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	10/9/2017 10:52:58 AM	1 34298
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/9/2017 10:52:58 AM	1 34298
Surr: DNOP	98.0	70-130	%Rec	1	10/9/2017 10:52:58 AM	1 34298
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	10/9/2017 9:14:51 AM	G46204
Surr: BFB	91.5	54-150	%Rec	1	10/9/2017 9:14:51 AM	G46204
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.017	mg/Kg	1	10/9/2017 9:14:51 AM	B46204
Toluene	ND	0.035	mg/Kg	1	10/9/2017 9:14:51 AM	B46204
Ethylbenzene	ND	0.035	mg/Kg	1	10/9/2017 9:14:51 AM	B46204
Xylenes, Total	ND	0.069	mg/Kg	1	10/9/2017 9:14:51 AM	B46204
Surr: 4-Bromofluorobenzene	98.5	66.6-132	%Rec	1	10/9/2017 9:14:51 AM	B46204

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

C	hain-c	of-Cus	stody Record	Turn-Around 1	ime:	SAME				н	IAI	ı.	FI	NV	TE	20	MP	ME	NT	FAI		
Client:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	Rush _	DAY)													AT(
				Project Name:												ntal						
Mailing A	ddress:	P.O. BO	X 87	ATI	LANTIC B L	S #3A		490	01 H	lawki	ins N	IE -	Alb	uqu	erqı	ue, N	IM 8	7109	9			
		BLOOM	FIELD, NM 87413	Project #:						5-34						-345						
Phone #:		(505) 63	32-1199]			-		7	215	18	А	naly	ysis	Rec	ques	t	5 4				
email or F	ax#:			Project Manag	jer.									4)				1)	\Box			
QA/QC Pad Standa			Level 4 (Full Validation)		NELSON VI	ELEZ	(8021B)	only)	MRO)			12)		04,50	PCB's			er - 300.1)			a	
Accreditat	tion:			Sampler:	NELSON VI	ELEZ ny	.¥9 (8)	(Gas	/ DRO /	1	7	SIN		102,1	3082			/ water			sample	
□ NELAP		□ Other		EMPIRE WITH DESCRIPTION AND DESCRIPTION OF THE PERSON AND DESCRIPT	XI Yes y	THE RESIDENCE OF THE PARTY OF T	#	TPH	0/0	418	504	8270SIMS)	S	03,1	se / se		OA)	300.0 /				r N)
☐ EDD (Ty	/pe)	1		Sample Temp	erature 2 i		#	BE +	(GR	pou	hod	0	etal	CI,N	icide	(A)	ni-V			ble	posi	3 (70
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX +MT	BTEX + MTBE + TPH (Gas	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab sample	5 pt. composite	Air Bubbles (Y or N)
196/17	1315	SOIL	5PC-TB@ 5 /(95)-A	4 oz 1	Cool	7001	٧		٧					•				V			٧	
																					\neg	_
7917	1415	SOIL	3FC-TD@ 8 (21)-D	4021	Cool	2002	4		1									4	\dashv	\dashv	4	
									-													
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																						_
,																						
									,													
Date:	Time:	Relinquish	agriby 1/2	Received by:		Date Time	Rem	arks		BILL D							ACT V	VITH	ORRE	SPON	DING	VID
19/6/17	1500	71	my	(hor	Jalt "	0/6/17 1500	C	ONTA	ACT:	ERIN	GAR	RIFAL	.os	/ VA	NCE		N					
Date:	Time:	Relinquish	ed by:	Received by:	1.	Date Time				VHIX			11	n	_							
- Malla	1844	m	submitted to Hall Environmental may be si	Must	aforedited laborated	10/7/17 1635		eren			P-8		into ::	all be	oloort	notet	ad ac	the an	alvilos	I rene	rt	
	ii necessa	ay, samples s	ubilitied to Hall Environmental hidy be si	and a policy to other	CON CUITEU IBDOI BIONE	e. This serves as nouce of	uns p	Illuiceo	y. Al	ly sub-	outill a	oleu u	HEREN W	nii De	Jicai I	, notal	ou OII	uic all	ulyilled	repor	h-	

Hall Environmental Analysis Laboratory, Inc.

WO#:

1710437

11-Oct-17

Client:

Blagg Engineering

Project:

ATLANTIC B LS #3A

Sample ID MB-34306

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID: Prep Date:

PBS

Sample ID LCS-34306

10/9/2017

Batch ID: 34306 Analysis Date: 10/9/2017

SeqNo: 1472041

RunNo: 46208

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

Analyte Chloride

Result ND

SampType: Ics

Batch ID: 34306

PQL

PQL

1.5

TestCode: EPA Method 300.0: Anions RunNo: 46208

SeqNo: 1472042

Units: mg/Kg

Prep Date:

Client ID:

10/9/2017

LCSS

Analysis Date: 10/9/2017

0

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC LowLimit

%RPD **RPDLimit**

Qual

Result

1.5

15.00

90.2

90

HighLimit

Analyte Chloride

14

LowLimit

110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit **PQL**
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank

Sample container temperature is out of limit as specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1710437

11-Oct-17

Client:

Blagg Engineering

Project:

ATLANTIC B LS #3A

Sample ID LCS-34298	SampTy	pe: LC	S	Test	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch I	ID: 34 2	298	R	unNo: 4	6197				
Prep Date: 10/9/2017	7 Analysis Date: 10/9/2017 SeqNo: 1470767 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.3	73.2	114			
Surr: DNOP	4.2		5.000		83.3	70	130			

Sample ID MB-34298	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 34298			R	RunNo: 4	6197				
Prep Date: 10/9/2017	Analysis Date: 10/9/2017			S	SeqNo: 1	470768	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	9.8		10.00		98.1	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

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1710437

11-Oct-17

Client:

Blagg Engineering

Project:

ATLANTIC B LS #3A

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: G46204

RunNo: 46204

Analysis Date: 10/9/2017

%REC

HighLimit

Prep Date:

SeqNo: 1471397

Units: mg/Kg

Analyte Gasoline Range Organics (GRO)

ND 930

Result

PQL SPK value SPK Ref Val 5.0

LowLimit

54

150

%RPD

RPDLimit

Qual

Surr: BFB

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

93.3

LCSS Client ID:

Batch ID: G46204

5.0

RunNo: 46204

Prep Date:

SeqNo: 1471398

Units: mg/Kg

Analyte

Analysis Date: 10/9/2017 Result PQL

SPK value SPK Ref Val %REC LowLimit HighLimit

%RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) Surr: BFB

28 1100 25.00 1000

1000

114 107

76.4 54

125 150

Qualifiers:

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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1710437

11-Oct-17

Client:

Blagg Engineering

Project:

ATLANTIC B LS #3A

Sample ID RB	SampType: MBLK			Tes						
Client ID: PBS	Batch ID: B46204			RunNo: 46204						
Prep Date:	Analysis Date: 10/9/2017			8	SeqNo: 1	471413	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.4	66.6	132			

Sample ID 100NG BTEX LC	S Samp	Type: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: B4	6204	RunNo: 46204						
Prep Date:	Analysis [Analysis Date: 10/9/2017			SeqNo: 1	471414	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.7	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	66.6	132			

Qualifiers:

Value exceeds Maximum Contaminant Level.

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

В Analyte detected in the associated Method Blank

Value above quantitation range

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 Nam	e: BLAGG		Work Or	der Num	ber: 1710	437			RcptNo: 1		
Received E	By: Andy Free	eman	10/7/2017	10:35:00) AM		Andyl	_			
Completed	By: Anne Tho	me	AM		Andre S	1-					
Reviewed B	ly: V	_	10/9/17	2			O(IIII)				
Chain of (Custody										
1. Custody	seals intact on s	ample bottles	?		Yes		No [Not Present		
2. Is Chair	of Custody com		Yes	V	No [Not Present				
3. How wa	s the sample deli		Cou	rier							
Log In											
4. Was an	attempt made to	cool the sam	ples?		Yes	V	No [NA 🗆		
5. Were al	l samples receive	ed at a temper	ature of >0° C to	6.0°C	Yes	\checkmark	No [NA 🗆		
6. Sample	(s) in proper cont	ainer(s)?			Yes	V	No [
7. Sufficier	nt sample volume		Yes	V	No [
8. Are sam	ples (except VOA	and ONG) p	operly preserved	1?	Yes	V	No [
9. Was pre	servative added	to bottles?			Yes		No 5		NA 🗆		
10.VOA via	ls have zero head	dspace?			Yes	_	No [No VOA Vials		
11. Were a	ny sample contair	ners received i	broken?		Yes		No E	~	# of preserved		
	12. Does paperwork match bottle labels?						No [ם	bottles checked for pH:	or >12 unless noted)	
	(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody?						No [Adjusted?		
	14. Is it clear what analyses were requested?						No [
15. Were all	holding times ab	le to be met?			Yes	V	No [Checked by:		
()	,										
Special Ha	andling (if ap	olicable)									
16. Was clie	nt notified of all d	liscrepancies v	with this order?		Yes		No [NA 🗹	-	
Pe	rson Notified:		Chill Hillsdown cook day	Date	T	Dally And Athense Ad	TALLES AND	Manual.			
Ву	Whom:	Via:	☐ eMa	ail 🗌	Phone F	ax	☐ In Person				
	garding:										
	ent Instructions:] ,	
17. Addition	al remarks:										
18. Cooler			[] -	. , 1			1				
Coole 1	er No Temp °C 2.2	Good	Seal Intact S	Seal No	Seal Da	ate	Signed By				
Ľ.	15.5	:3000	169								



