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 <u>District IV</u> 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 Applic	ation
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 or proposed alternative method	pit, below-grade tank,
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or all Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surfactivironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority.	ace water, ground water or the
operator: BP America Production Company OGRID #: 778	
Operator: Address: BP America Production Company OGRID #: 778 200 Energy Court, Farmington, NM 87401	LCONS. DIV DIST. 3
Facility or well name: NEBU 327M	NOV 2 1 2017
API Number: 3003927500 OCD Permit Number: U/L or Qtr/Qtr O Section 20 Township 31N Range 06W County: San	Juan
Center of Proposed Design: Latitude 36.879245 Longitude -107.482782	NAD02
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	NAD83
2.	
□ Pit: 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 Drill □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced 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: 80	ible
4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office.	e for consideration of approval.
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 reinstitution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet	sidence, school, hospital,

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)	
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.	
5. 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 acceptate 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 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - 'US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC
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 do 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 19.15.17.10 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 Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan 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: Places complete the applicable boxes Royes 14 through 18 in regards to the proposed closure plan	
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 Fallernative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
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
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 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	
Within a 100-year floodplain.	Yes No
- 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 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 (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC
17. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	ief.
Name (Print): Title:	
Signature: Date:	
Signature: Date: e-mail address: Telephone:	
e-mail address:	
e-mail address: Telephone:	
e-mail address:	the closure report.
e-mail address: Telephone:	the closure report.

22.	
Operator Closure Certification:	
	with this closure report is true, accurate and complete to the best of my knowledge and le closure requirements and conditions specified in the approved closure plan.
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator
Signature: Utin garifalos	Date: November 17, 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

NEBU 327M

API No. 3003927500

Unit Letter O Section 20 T 31N R 06W

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
	80 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.019
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.077
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.

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-ground tank to be est 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-ground tank to be est 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-ground tank to be est 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-ground tank to be est 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-ground tank to be est 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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141 Revised April 3, 2017

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

			Rele	ease Notific	cation	n and Co	orrective A	ctioi	1					
						OPERA'	ГOR		Initia	al Report 🔳 Fin	al Report			
Name of Co	mpany BP	America Produc	tion Compar	ny		ContactErin								
Address 200	Energy Cour	t, Farmington, N	M 87401			Telephone 1	Vo. (832) 609-7048							
Facility Na	ne NEBU 32	7M				Facility Typ	e: Natural Gas Wel	I						
Surface Ow	ner : Federa	1		Mineral C)wner:	Federal			API No	.3003927500				
							EACE							
Unit Letter	Section	Township	Danga	Feet from the		N OF RE	Feet from the	East/	West Line	County				
			Range							San J	uan			
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			Latitud	_e 36.879245	L	ongitude1	07.482782	NAD	83					
				NAT	URE	OF REL	EASE							
Type of Rele	ase:: none	9			0143		Release:: unkno	own	Volume F	Recovered:: N/A				
Source of Re	lease: belo	w grade ta	nk - 80	Iour of Occurrence	e:		Hour of Discovery:							
Was Immedia						n/a If YES, To	Whom?		n/a					
Was Illinear	ate monee v		Yes	No Not Re	equired	11 125, 10	WHOM:							
By Whom?						Date and H	Iour							
Was a Water	course Read	ched?		Lav		If YES, Vo	olume Impacting t	he Wat	ercourse.					
			Yes _	No										
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*											
Describe Cov	as of Brobl	em and Reme	dial Astice	Tokon *										
Describe Cat	ise of Frobi	em and Keme	diai Actioi	Sam	oling o	of the soil	beneath the	BG1	was do	ne during remov	al.			
				Soil a	analys	sis resulte	d for Chlorid	les, E	STEX, ar	d TPH below BO	ΤÉ			
				closu	re sta	andards. F	Field reports	and I	aborato	ry results are atta	ached.			
Describe Are	a Affected	and Cleanup A	Action Tak	en.*										
				No actio				ory a	nalysis d	determined no				
				remedia	actic	n is requ	ired.							
										uant to NMOCD rules a				
										eases which may endang eve the operator of liab				
										, surface water, human				
or the environ	nment. In a	addition, NMC	CD accep							ompliance with any other				
federal, state,	or local la	ws and/or regu	llations.				OIL COM	CEDI	ATION	DIVICION				
,	1414 0	ATTEN A	.)				OIL CON:	SERV	ATION	DIVISION				
C:	own g	orifale	14											
Signature:		16.1				Approved by	Environmental S	pecialis	t:					
Printed Name	Erin (arifalos												
Title: Field	Envir	onmenta	l Coo	rdinator		Approval Dat	e:		Expiration l	Date:				
		garifalos				Conditions of								
						Conditions of	прриочан.			Attached				
Date: Noven	nber 17, 2	01/	Phone:	(832) 609-7048										

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

September 14, 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: NEBU 327M API #: 3003927500

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 September 18, 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 (505)-326-9497.

Sincerely,

Steven Moskal

BP America Production Company

From:

Buckley, Farrah (CH2M HILL)

To:

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

Cc:

jeffcblagg@aol.com; blagg_niv@yahoo.com; Moskal, Steven; Garifalos, Erin

Subject: Date: BP Pit Close Notification - NEBU 327M Friday, September 15, 2017 11:32:43 AM

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>

September 15, 2017

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

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

NEBU 327M API 30-039-27500 Section 20– T31N – R06W 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 80bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around September 18, 2017.

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

Sincerely,

Steven Moskal BP Field Environmental Coordinator

(505) 326-9497

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	CIG one): BGT CONFRIMATION / RELEASE INVESTIGATION / OTHER: PAGE #: 1 SITE NAME NEBU # 327M IN RNG: 6W PM: NIM CNTY: RA ST. NIM SW/SE LEASE TYPE: FEDERALL STATE / FEE / INDIAN STRIKE D. FORMATION: MV/DK CONTRACTOR: BP - J. GONZALES WELL HEAD (W.H.) GPS COORD.: 36.879245 X 107.482782 GPS COORD.: 36.879245 X 107.482782 GPS COORD.: DISTANCEBEARING FROM WH: GRAME DATE DATE SAMPLETINE DISTANCEBEARING FROM WH: GRAME DATE DATE SAMPLETINE DATE SAMPLETI	27500 A		
		•		(if applicble):	A
FIELD REPORT:	(circle one): BGT CONFIRMATION	/ RELEASE INVESTIGATION / OTHER:		PAGE #:	of
SITE INFORMATION				DATE STARTED: 0	9/18/17
QUAD/UNIT: O SEC: 20 TWP:	31N RNG: 6W PM:	NM CNTY: RA ST	NM_	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 620'S / 1,660		CTDUCE			NJV
REFERENCE POINT				GI ELEV:	6 345'
1) 80 BGT (DW/DB)				400	', S34E
2)		OF OR TO A TOTAL OR			
3)					
4)			DISTANCE/BEA	RING FROM W.H.:	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # 0	DR LAB USED: HAII			OVM READING
	(80) SAMPLE DATE: 09/18		LYSIS: 801	15B/8021B/300.0 (CI)	(ppm) NA
2) SAMPLE ID:					
3) SAMPLE ID:					
4) SAMPLE ID: 5) SAMPLE ID:					
SOIL DESCRIPTION	* COULTY/DE CAND / CILTY CAND /	CUT CUTY OLAY OLAY CDA FLOT	IED OLAVOT	TONE/GUALE	
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 / M	DOSE / FIRM / DENSE / VERY DENSE ET SATURATED / SUPER SATURATED F OF PTS	DENSITY (COHESIVE CLAYS & SILTS): HC ODOR DETECTED: YES NO EXPLAY ANY AREAS DISPLAYING WETNESS: YES MUD SURFACE, DRY DIRECTLY	SOFT FIRM NATION - NATION - NO EXPLANBENEATH.	STIFF VERY STIFF / HARD	NT CLAYEY
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: [OTHER: NMOCD OR BLM NOT PRESEN imagery date below]. BGT TILTED WEXCAVATION DIMENSION ESTIMATION:	DAND/OR OCCURRED: YES NO EXPL YES NO EXPLANATION - 105 BB T TO WITNESS CONFIRMATION S ITH DOWNWARD SIDE ON NORT NA ft. X NA	ANATION: L SHALLOW LOW PROFILE ABOVE SAMPLING. GPS COORDINATES DE HERN QUADRANT. ORIGIN OF W 1. X NA 1. EXC.	E-GRADE TAI DERIVED FRO ETNESS BEN CAVATION EST	NK TO BE SET ATOP BO DM GOOGLE EARTH PR IEATH BGT UNDETERM FIMATION (Cubic Yards) :	GT LOCATION. O (see IINED. NA
)00' NMOC	CD TPH CLOSURE STD:	5,000 ppm
SITE SKETCH TO WH.	BGT Located: off on sit	e PLOT PLAN circle: at	OVM	CALIB. GAS = NA : NA am/pm DATE:	ppm RF = 1.00
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO	PBGTL T.B. ~ 4.5' B.G.	X - S ELOW; T.H. = TEST HOLE; ~= APPROX.; W.H. = W	P.O. Tar	JO: EF #: P-897 ID: VHIXONEV J #: ermit date(s): 09 CD Appr. date(s): 10 OVM = Organic Vapo ppm = parts per milli BGT Sidewalls Visible: V BGT Sidewalls Visible: V	111 0/12/08 0/20/09 r Meter on Y / N
	OW-GRADE TANK LOCATION; SPD = SAMPLE F E WALL; DW - DOUBLE WALL; SB - SINGLE BOT	POINT DESIGNATION; R.W. = RETAINING WALL; N. TOM; DB - DOUBLE BOTTOM.	A-NO1 <u>N</u>	lagnetic declination:	10 E
NOTES: GOOGLE EARTH IMAG	ERY DATE: 10/5/2016.	ONSITE: 09/18/17			

Analytical Report

Lab Order 1709996

Date Reported: 9/21/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

1709996-001

Client Sample ID: 5PC-TB @ 4.5' (80)

Project: NEBU #327M

Lab ID:

Collection Date: 9/18/2017 12:50:00 PM

Matrix: SOIL

Received Date: 9/19/2017 8:45:00 AM

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	9/19/2017 12:43:31 PM	33942
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	6			Analyst	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/19/2017 11:53:12 AM	33938
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/19/2017 11:53:12 AM	33938
Surr: DNOP	89.0	70-130	%Rec	1	9/19/2017 11:53:12 AM	33938
EPA METHOD 8015D: GASOLINE RANG	Ε				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	9/19/2017 11:47:03 AM	G45720
Surr: BFB	99.8	54-150	%Rec	1	9/19/2017 11:47:03 AM	G45720
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.019	mg/Kg	1	9/19/2017 11:47:03 AM	B45720
Toluene	ND	0.039	mg/Kg	1	9/19/2017 11:47:03 AM	B45720
Ethylbenzene	ND	0.039	mg/Kg	1	9/19/2017 11:47:03 AM	B45720
Xylenes, Total	ND	0.077	mg/Kg	1	9/19/2017 11:47:03 AM	B45720
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	9/19/2017 11:47:03 AM	B45720

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
 - % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 5 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

	c1/81/b	Date:	(8)	Date:												9/18/17	Date	☐ EDD (Type)	□ NELAP	Accreditation:	✓ Standard		email or Fay#	Phone #:		Mailing Address:		Client:	
If necessa	1826	Time:	11/2	Time:												1250	Time	ype)		ion:	ard	dan.	thy.			dress:		BLAG	nain-c
ıry, samples s	7	Relinquished by:	1	Relinguished												SOIL	Matrix		□ Other					(505) 6	BLOOM	P.O. BOX 87		G ENGR	Sun-Ic
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	Mist Cont	led by:	The state of the s	ed.bv:												5PC-TB @ 4,5 (80)	Sample Request ID				Level 4 (Full Validation)			(505) 632-1199	BLOOMFIELD, NM 87413	X 87		BLAGG ENGR. / BP AMERICA	Chain-or-Custody Record
ubcontracted to other	1	Received by:	26	Received by:												4 oz 1	Container Type and # MAHELT	Same admental and s	On Ise	Sampler:		- Indept Manager	Droiget Manag		Project #:		Project Name:	Standard	
accredited laboratorie	1	- Janor	A													Cool	Preservative Type	e autre	E Yes	NELSON VELEZ	NELSON VELEZ		OF:			NEBU #327M		☑ Rush	1
s. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	11/1/20	Date Time	1	Date Time												70)	HEALING TAGESTI		i) No	ELEZ NY	ELEZ					7M		DAY	SAME
this po	Refe	2		Rem												7	BTEX +MTB	E+	TME	+ (8	021B)							П	
ssibility	Reference #	VID:		narks	_					_							BTEX + MTB	-		-	-		-		Tel	490			
, Any	#				+	_				_	_		_			<	TPH 8015B	_			/ MRC)	-		Tel. 505-345-3975	4901 Hawkins NE -			
Sub-o	L _	HIX	REFE	-	+	-	_			-	-	-					TPH (Meth	_	-				-		-345	Wkir	×	>	I
ontract	P - 897	VHIXONEVB2	RENCE		+	-		_		-	-	-		-			EDB (Meth		_	_	AC)		-		-397)S NE	WW.	2	HALL
ed dat	7	B2	# W1	9	+	-				-	\vdash				_		PAH (8310 RCRA 8 Me	_		USIN	/15)		-	An			halle		
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rly no		VHIXONEVB2	& REFERENCE # WHEN APPLICABLE:	8		-											8260B (VO	_	-		. 00		-	Analysis Request	Fax 505-345-4107	que,	www.hallenvironmental.com	5	D
ated o		NO				1		_									8270 (Sem		DA)					st	5-41	Z	al.co	BC	ž
n the a				BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID	_	1										٧	Chloride (so			/ wa	ter - 30	0.1)			07	Albuquerque, NM 87109	3	LABORATORY	ENVIRONMENTAL
malytic				CORR																						9		2	7
al repo				ESPO													Grab samp	le										0	7
¥				DING												٧	5 pt. comp	osit	e sa	mp	le							7	
				VID O													Air Bubbles	(Yo	rN)				7					-	4

Air Bubbles (Y or N)

Chain-of-Custody Record

Turn-Around Time:

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709996

21-Sep-17

Client:

Blagg Engineering

Project:

NEBU #327M

Sample ID MB-33942

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

Batch ID: 33942

RunNo: 45725

9/19/2017 Prep Date:

Analysis Date: 9/19/2017

SeqNo: 1453030

Units: mg/Kg

%RPD

RPDLimit

Qual

Analyte Chloride

Result PQL ND 1.5

Sample ID LCS-33942

SampType: Ics

TestCode: EPA Method 300.0: Anions RunNo: 45725

HighLimit

Client ID:

LCSS

Batch ID: 33942

PQL

1.5

Prep Date:

9/19/2017

Analysis Date: 9/19/2017

SeqNo: 1453031

Units: mg/Kg

%RPD **RPDLimit**

Qual

Result

0

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC LowLimit

Analyte

Chloride

14

15.00

94.8

90

LowLimit

HighLimit 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- 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 2 of 5

^{*}QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709996

21-Sep-17

Client:

Blagg Engineering

Project:

NEBU #327M

Sample ID MB-33938	SampT	уре: МЕ	BLK	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	ID: PBS Batch ID: 33938 RunNo: 45710									
Prep Date: 9/19/2017	Analysis D	ate: 9/	19/2017	S	eqNo: 1	451362	Units: mg/K	(g		
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	9.3		10.00		92.9	70	130			

Sample ID LCS-33938	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 33938 RunNo: 45710									
Prep Date: 9/19/2017	Analysis Da	ate: 9/	19/2017	SeqNo: 1451448 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	73.2	114			
Surr: DNOP	4.6		5.000		92.1	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

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

*QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709996

21-Sep-17

Client: Project:

Blagg Engineering **NEBU #327M**

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

54

Client ID:

Batch ID: G45720

RunNo: 45720

%REC

Prep Date:

Analyte

Analysis Date: 9/19/2017

SeqNo: 1451976

Units: mg/Kg

PQL Result ND 5.0 SPK value SPK Ref Val

0

HighLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

960

1000

96.1

150

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

%RPD

%RPD

Client ID: LCSS

Batch ID: G45720

RunNo: 45720

Prep Date:

SeqNo: 1451977

Units: mg/Kg

Analyte

Analysis Date: 9/19/2017 Result PQL

5.0

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit

RPDLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

22 1100

25.00 1000 90.0 109

54

150

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η 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
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709996

21-Sep-17

Client:

Blagg Engineering

Project:

NEBU #327M

Sample ID RB	SampType: MBLK			Tes						
Client ID: PBS	Batch	Batch ID: B45720			RunNo: 45720					
Prep Date:	Analysis D	oate: 9/	19/2017	8	SeqNo: 1	451989	Units: mg/K	g		
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	1.0		1.000		103	66.6	132			

Sample ID 100NG BTEX LC	S Samp	Гуре: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	Batch ID: B45720			RunNo: 4					
Prep Date:	Analysis [Date: 9/	19/2017	5	SeqNo: 1	451990	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	80	120			
Toluene	0.98	0.050	1.000	0	98.0	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132			

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
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- S % Recovery outside of range due to dilution or matrix
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- Page 5 of 5

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



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

Sample Log-In Check List

Client Name: BLAGG	Work Order Number:	1709996		RcptNo:	1
Received By: Anne Thorne	9/19/2017 8:45:00 AM		am Il-	_	
Completed By: Anne Thorne	9/19/2017 9:39:48 AM		ann Am	_	
Reviewed By: /	allall7		,		
Chain of Custody					
1. Custody seals intact on sample bottles?	Yes	No 🗆	Not Present		
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?		Courier			
<u>Log In</u>					
4. Was an attempt made to cool the sample	s?	Yes 🗹	No 🗆	na 🗆	
5. Were all samples received at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated test	t(s)?	Yes 🗹	No 🗌		
8. Are samples (except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?		Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace?		Yes	No 🗆	No VOA Vials 🗹	
11. Were any sample containers received bro	ken?	Yes	No 🗹	# of preserved	
12. Does paperwork match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH:	
(Note discrepancies on chain of custody)					>12 unless noted)
13. Are matrices correctly identified on Chain	of Custody?	Yes 🗹	No 🗀	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🗸	No 📙	Checked by:	
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	· No ∐ [
Create Handing (if applicable)					
Special Handling (if applicable)			🗖		
16. Was client notified of all discrepancies with	this order?	Yes _	No 🗆	NA 🗹	ſ
Person Notified:	Date				
By Whom:	Via:	eMail _	Phone Fax	☐ In Person	
Regarding: Client Instructions:					
17. Additional remarks:					
18. Cooler Information				ii.	
Cooler No Temp °C Condition		Seal Date	Signed By		
1 1.0 Good Y	BS				



