Form C-144 July 21, 2008

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

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

District Office.
Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: BPX ENERGY INC. (formerly BP America Production Co.) Address: 1199 Main Ave., Suite 101, Durango, CO 81301 Facility or well name: NORTHEAST BLANCO UNIT 247 API Number: 3004534319 OCD Permit Number: U/L or Qtr/Qtr D Section 20.0 Township 31.0N Range 06W County: San Juan County Center of Proposed Design: Latitude 36.890467 Longitude -107.495083 NAD: 1927 1983 Surface Owner: Federal State Private Tribal Trust or Indian Allotment
2. Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3. Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other Liner Seams: Welded Factory Other
Subsection I of 19.15.17.11 NMAC Tank ID: A
☐ Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office 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 residence, school, but institution or church)	nospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	
7.	
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)	
8. 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	
Administrative Approvals 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:	
Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau of	office for
consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept	table source
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate approval from the approximation approximatio	oriate district
office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dryi	
above-grade tanks associated with a closed-loop system.	□ Vaa □ Na
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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).	☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No ☐ NA
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
 (Applies to permanent pits) Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	∐ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☐ No
watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; 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	
Within 500 feet of a wetland.	□ Vaa □ Na
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ 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.	☐ Yes ☐ No
- 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

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment 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 (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 19.15.17.11 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 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:
Closed-loop Systems Permit Application Attachment 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. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
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 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 Gil Field Waste Stream Characterization Monitoring and Inspection Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the 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 F 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 G of 19.15.17.13 NMAC

16. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tank	s or Haul-off Bins Only: (19.15.17.13.D N	JMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluid facilities are required.		
· 1	acility Permit Number:	
	acility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur on or in Yes (If yes, please provide the information below) No	areas that will not be used for future service	e and operations?
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirement Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.1 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.	7.13 NMAC	
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 provided below. Requests regarding changes to certain siting criteria may require administry considered an exception which must be submitted to the Santa Fe Environmental Bureau of demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	ative approval from the appropriate district fice for consideration of approval. Justifica	t office or may be
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained for	rom nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained for	rom 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 for	rom nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant wat lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ercourse or lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	e at the time of initial application.	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five h watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in exist. NM Office of the State Engineer - iWATERS database; Visual inspection (certification)	istence at the time of initial application.	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained	-	Yes No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection	1 (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Minera		Yes No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Society; Topographic map	l Resources; USGS; NM Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map		Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subsection Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate re Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NM Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.1 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.1 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.	of 19.15.17.10 NMAC a F of 19.15.17.13 NMAC equirements of 19.15.17.11 NMAC upon the appropriate requirements of 19.15.17 AC of Subsection F of 19.15.17.13 NMAC F of 19.15.17.13 NMAC or in case on-site closure standards cannot be 17.13 NMAC	17.11 NMAC

Operator Application Certification: I hereby certify that the information submitted with this application is true, ac	ecurate and complete to the best of my knowledge and belief.
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:
20. OCD Approval: ☐ Permit Application (including closure plan) ☑ Closure	
OCD Representative Signature:	Approval Date:
Title: Environmental Specalist	OCD Permit Number: BGT A
Closure Report (required within 60 days of closure completion): Subsect Instructions: Operators are required to obtain an approved closure plan pri The closure report is required to be submitted to the division within 60 days section of the form until an approved closure plan has been obtained and the	for to implementing any closure activities and submitting the closure report. of the completion of the closure activities. Please do not complete this
	Closure Completion Date:
22. Closure Method: Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alto If different from approved plan, please explain.	ernative Closure Method Waste Removal (Closed-loop systems only)
two facilities were utilized. Disposal Facility Name: Disposal Facility Name: Were the closed-loop system operations and associated activities performed on Yes (If yes, please demonstrate compliance to the items below) Note Required for impacted areas which will not be used for future service and oper Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24. Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Soil Backfilling and Cover Installation	drilling fluids and drill cuttings were disposed. Use attachment if more than Disposal Facility Permit Number: Disposal Facility Permit Number: nor in areas that will not be used for future service and operations? **rations:* g items must be attached to the closure report. Please indicate, by a check
Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	ngitude107.495083 NAD: □1927 🗷 1983
25. Operator Closure Certification: Lhamby contiffs that the information and attachments submitted with this closure.	are compart to time appropriate and accordate to the base Co. I. I. I. I. I.
I hereby certify that the information and attachments submitted with this closure belief. I also certify that the closure complies with all applicable closure requirements.	irements and conditions specified in the approved closure plan.
Name (Print): Erin Dunman Docusigned by:	Title: Field Environmental Coordinator October 4, 2019
Signature: Crin Dunman	Date:
e-mail address: Erin.Dunman@bpx.com	Telephone: 832-609-7048

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

BPX ENERGY

(formally BP America Production Company) SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Northeast Blanco Unit # 247 – Tank ID: A

API #: 3004534319

Unit Letter D, Section 20, T31N, R06W

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BPX Energy (BPX) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BPX 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. BPX 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 BPX's NMOCD approved BGT design attached to the BPX Design and Construction Plan. BPX 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 BPX's NMOCD approve BGT Design attached to the BPX Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BPX 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. BPX 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. BPX 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 documented in the attached email.

- 3. BPX 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. BPX 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. BPX Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)
 - f. BPX Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
 - g. BPX Operated GCU 259 SWD, API 30-045-20006 (Liquids)
 - h. BPX Operated GCU 306 SWD, API 30-045-24286 (Liquids)
 - i. BPX Operated GCU 307 SWD, API 30-045-24248 (Liquids)
 - i. BPX Operated GCU 328 SWD, API 30-045-24735 (Liquids)
 - k. BPX Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

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

4. BPX 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. BPX 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. BPX shall test the soils beneath the BGT to determine whether a release has occurred. BPX 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
		(mg/Kg)	Results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.020
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.080
TPH	US EPA Method SW-846 418.1	100	<45
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<61

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.

<u>Soil beneath the BGT was sampled for TPH, BTEX, and chloride. All test parameters</u> were below the stated limits. A field and laboratory reports are attached.

7. BPX 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 BPX will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.

Sampling results reveal no evidence of a release has occurred.

9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BPX 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

<u>Sampling results reveal no evidence of a release has occurred.</u> Area was backfilled with clean, earthen material and is within the active well pad.

10. BPX 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. BPX 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 BGT area has been backfilled with clean, earthen material and is within the active well pad. Reclamation will be completed within the allowable timeframe and will meet the specified requirements of 19.15.17.13 NMAC.

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 BGT area has been backfilled with clean, earthen material and is within the active well pad. Reclamation will be completed within the allowable timeframe and will meet the specified requirements of 19.15.17.13 NMAC.

12. BPX 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 BGT area has been backfilled with clean, earthen material and is within the active well pad. Reclamation will be completed within the allowable timeframe and will meet the specified requirements of 19.15.17.13 NMAC.

13. BPX 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 BGT area has been backfilled with clean, earthen material and is within the active well pad. Reclamation will be completed within the allowable timeframe and will meet the specified requirements of 19.15.17.13 NMAC.

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

 BPX will notify NMOCD when re-vegetation is successfully completed.
- 15. Within 60 days of closure completion, BPX 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.

<u>Closure report on C-144 form is included & contains a photo of the current reclamation</u> requirements completed.

16. BPX 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.

BP Closure Notification – Northeast Blanco Unit 247

From: Patti Campbell (BPX)
To: Smith, Cory, EMNRD

Cc: Sabre Beebe (BPX), Erin Dunman (BPX), Steve Moskal (BPX), I1thomas@blm.gov (BLM), Adeloye Abiodun (BLM), Nelson Velez,

Jefferey Blagg

Date: Monday, August 12, 2019 2:22 PM MDT

SENT VIA E-MAIL TO: CORY.SMITH@STATE.NM.US

August 12, 2019

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

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

Northeast Blanco Unit 247
API 30-045-34319
(D) Section 20 – T31N – R06W
San Juan County, New Mexico

Dear Mr. Cory Smith,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 80 bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around August 15, 2019.

Should you have any questions, please feel free to contact BP.

Sincerely,

Patti Campbell

Regulatory Analyst
BP America Production Company
BPX Energy Inc.
(970) 712-5997
patti.campbell@bpx.com



bp



BP America Production Company 1199 Main Ave., Suite 101 Durango, CO 81301 Phone: (970) 712-5997

August 12, 2019

Bureau of Land Management Emmanuel Abiodun Adeloye 6251 College, Suite A Farmington, NM 87402

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank Well Name: Northeast Blanco Unit 247 API# - 3004534319

Dear Mr. Adeloye,

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 August 15, 2019. Barring any unforeseen issues, the work should be completed within 10 working days.

The NEBU 248 well on this site has been plugged and abandoned and the NEBU 247 is planned for a plug and abandonment. BP is decommissioning the NEBU 248 equipment and below grade tank shared by the wells.

If witnessing of the tank removal is required, please contact Steve Moskal on (505)-330-9179 or Erin Dunman on (281) 810-2578 for a specific time.

Sincerely,

Patti Campbell BPX – San Juan

Patti Campbell

Regulatory Analyst

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-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party BPX Energy (formerly BP America Production Co.)			y BP America Production Co.)	OGRID 778			
Contact Nam	ne Erin D	unman		Contact T	Telephone (832) 609-7048		
Contact email Erin.Dunman@bpx.com			om	Incident #	# (assigned by OCD)		
Contact mail	ing address	1199 Main Av	e., Suite 101, Dura	ingo, CO 8	81301		
			Location of I	Release S	Source		
atitude	36	.890467		Longitude			
			(NAD 83 in decimal d	legrees to 5 deci	imal places)		
Site Name N	ORTHE	AST BLANCO	UNIT 247	Site Type	Natural Gas Well		
Date Release	Discovered			API# (if ap	pplicable) 30-045-34319		
TI '. I	G .:	T 1'	D.				
Unit Letter D	Section 20	Township 31N	Range 06W	Cou	<u> </u>		
D	20	3111	UUVV	San Juan			
Crude Oil		ul(s) Released (Select a			Release ic justification for the volumes provided below) Volume Recovered (bbls)		
Produced	Water	Volume Release			Volume Recovered (bbls)		
Is the concentration of dissolved chloride produced water >10,000 mg/l?		le in the	Yes No				
Condensate Volume Released (bbls)			Volume Recovered (bbls)				
Natural Gas Volume Released (Mcf)			ed (Mcf)		Volume Recovered (Mcf)		
	Other (describe) Volume/Weight Released (provide units)		s)	Volume/Weight Recovered (provide units)			
Other (des	scribe)						
			oride all below belo	ow-grade	tank (BGT) permit closure standards.		

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	sible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ⊠ No		
If YES, was immediate no	otice given to the OCD? By whom? To who	om? When and by what means (phone, email, etc)?
	S ,	, u
Not required.		
	Initial Re	sponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
	s been secured to protect human health and	he environment.
Released materials ha	we been contained via the use of berms or di	kes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain w	vhy:
has begun, please attach a	a narrative of actions to date. If remedial e	mediation immediately after discovery of a release. If remediation fforts have been successfully completed or if the release occurred ease attach all information needed for closure evaluation.
regulations all operators are public health or the environm	required to report and/or file certain release notifnent. The acceptance of a C-141 report by the O	est of my knowledge and understand that pursuant to OCD rules and ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
		t to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws
Printed Name: Erin	Dunman	Title: Field Environmental Coordinator
DocuSigned b		October 4, 2019
	nman	Date:
email: Erin.Dunma	AABA un@bpx.com	Telephone: (832) 609-7048
OCD Only		
Received by:		Date:

CLIENT: BPX	BLAGG ENGINEERING, INC.		API# 3004534319		
CLIENT: DI A	P.O. BOX 87, BLOOMFIELD, NM 87413			TANK ID	
	(50	5) 632-1199		(if applicble):	1
FIELD REPORT:	(circle one): BGT CONFIRMATION /	RELEASE INVESTIGATION / C	OTHER:	PAGE #: 1	of <u>1</u>
SITE INFORMATION	I: SITE NAME: NEBU 7	# 247		DATE STARTED: 08/	/15/19
QUAD/UNIT: D SEC: 20 TWP:			st: NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 1,040'N / 30'		YPE: FEDERAL STATE		ENVIRONMENTAL	
0=0=000		KELLEY (ONTRACTOR: BPX - S. E	D.F.S.		NJV
REFERENCE POINT	WELL HEAD (W.H.) GPS	COORD.: 36.88940	04 X 107.49518 ²	1 GL ELEV.:	6,335'
1) 80 BGT (DW/DB)	GPS COORD.: 36.8	390467 X 107.495083	DISTANCE/BEA	RING FROM W.H.:409',	N3E
2)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
3)	GPS COORD.:		DISTANCE/BEA	ARING FROM W.H.:	
4)	GPS COORD.:		DISTANCE/BEA	ARING FROM W.H.:	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # C	OR LAB USED: HALL	_		OVM READING
1) SAMPLE ID:				15B/8021B/300.0 (CI)	(ppm) NA
2) SAMPLE ID:				, ,	
3) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		
4) SAMPLE ID:					
5) SAMPLE ID:	SAMPLE DATE:				
SOIL DESCRIPTION	SOIL TYPE: SAND / SILTY SAND / S	SILT / SILTY CLAY / CLAY / GRAVI	EL/OTHER BEDRO	CK (CLAYSTONE/SHALE)	
	LIVE GRAY	PLASTICITY (CLAYS): NON PLASTI			SHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTL		DENSITY (COHESIVE CLAYS &	,		
CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY SLIGHTLY MOIST / MOIST / W		HC ODOR DETECTED: YES NO	EXPLANATION -		
SAMPLE TYPE: GRAB COMPOSITE #		ANY AREAS DISPLAYING WETNE	SS: YES / NO EXPLA	NATION - RAIN WATER CO	LLECTED
DISCOLORATION/STAINING OBSERVED: YES	O EXPLANATION -			WITHIN STEEL RETAIN	
SITE OBSERVATION	S: LOST INTEGRITY OF EQUIPMENT	YES NO EXPLANATION -			
APPARENT EVIDENCE OF A RELEASE OBSERVE	D AND/OR OCCURRED : YES NO EXPL				
EQUIPMENT SET OVER RECLAIMED AREA:		FIGNI CAMPUNIC MELL DA	D 0 DOT CHAPED	ANTILL NIEDLL # 040 VAN HOLLI	
OTHER: NMOCD OR BLM REPS. NOT PF PLUGGED & ABANDONED (P&A) ON					<u> </u>
EXCAVATION DIMENSION ESTIMATION:		ft. X NA ft.		TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100'	_ NEAREST WATER SOURCE: _>1,00	0' NEAREST SURFACE WATER	>1,000'	NMOCD TPH CLOSURE STD:	2,500 ppm
SITE SKETCH	BGT Located: off on site	e PLOT PLAN circ	cle: attached	1 CALIB. READ. = NA	ppm RF =1 00
L			A	 '	ppm RF =1.00
	FENCE		[[]	E: NA am/pm	NA NA
	BERM		N	· · · · · · · · · · · · · · · · · · ·	
		STEEL		MISCELL. NO	11ES
	PBGTL X	R.W.	_	PO #:	
	T.B. ~ 4.5'		<u> </u>	NFE #:	
		FORMER	<u>s</u>	810#: 19004000767	<u>'2 </u>
	FORMER	SEPARATOR UNIT	<u> </u>	SL#: 745277	
	SEPARATOR — UNIT		I -		12/08
				OCD Appr. date(s): 03/2 OVM = Organic Vapor N	28/12 Meter
	1		<u> </u>	D ppm = parts per million	<u> </u>
	TO W.H.			BGT Sidewalls Visible: Y	
	V		X - S.P.D.	BGT Sidewalls Visible: Y	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DECIL = DECILOR DECIDIOR DECILOR DECILOR DECIDIOR DECILOR DEC			NAME AND THE PROPERTY OF THE PARTY OF THE PA	BGT Sidewalls Visible: Y	
	.OW-GRADE TANK LOCATION; SPD = SAMPLE F E WALL; DW - DOUBLE WALL; SB - SINGLE BOT		VVALL, INA - INO I	Magnetic declination: 1	<u>0°E</u>
NOTES: GOOGLE EARTH IMAG		ONSITE: 08/15/	/19		

revised: 11/26/13 BEI1005E-6.SKF

Lab Order **1908912**

Date Reported: 8/19/2019

Hall Environmental Analysis Laboratory, Inc.

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

 Project:
 NEBU 247
 Collection Date: 8/15/2019 10:07:00 AM

 Lab ID:
 1908912-001
 Matrix: SOIL
 Received Date: 8/16/2019 7:57:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	61	mg/Kg	20	8/16/2019 1:04:26 PM	46848
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	8/16/2019 10:09:20 AM	46844
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/16/2019 10:09:20 AM	46844
Surr: DNOP	85.4	70-130	%Rec	1	8/16/2019 10:09:20 AM	46844
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/16/2019 9:51:28 AM	G62171
Surr: BFB	99.4	77.4-118	%Rec	1	8/16/2019 9:51:28 AM	G62171
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.020	mg/Kg	1	8/16/2019 9:51:28 AM	B62171
Toluene	ND	0.040	mg/Kg	1	8/16/2019 9:51:28 AM	B62171
Ethylbenzene	ND	0.040	mg/Kg	1	8/16/2019 9:51:28 AM	B62171
Xylenes, Total	ND	0.080	mg/Kg	1	8/16/2019 9:51:28 AM	B62171
Surr: 4-Bromofluorobenzene	91.3	80-120	%Rec	1	8/16/2019 9:51:28 AM	B62171

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
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Chain-of-Custody Record		Turn-Around Time:				HALL ENVIRONMENTAL															
Client:	BLAG	G ENGR	. / BPX ENERGY	Standard Project Name	☑ Rush _	DAY				A	NA	LY	SI	5 I	LAI	BC	R/				
Mailing A	ddress:	P.O. BO)X 87	-	NEBU #2	47		49	01 H	v Iawkir		hallei Al						a			
:		BLOOM	FIELD, NM 87413	Project #:)5-345					ue, i -345			,			
Phone #: (505) 632-1199														ques							
email or F	ax#:			Project Manag	jer:								<u></u>				급	\Box			
QA/QC Package: Standard Level 4 (Full Validation)		SABRE BEEBE			(80218)	only)	MRO)		<u> </u>	5	,04,50 ₄	PCB's			er - 300.1)			n,			
Accreditat	tion:			Sampler: NELSON VELEZ			¥ (8((Gas	/ DRO /	त् र	304.1) 8270SIMS)		02,1	3087			/ water			sample	
□ NELAP □ Other		On Ice: X Yes □ No ?? V Sample Temperature 1.4-0.4(F=10"				ТРН	0/0	418.	204.	<u>.</u>	l ő	3/8		(A)	- 300.0	ŀ		e Sa	ξ		
□ EDD (1	Type)	<u> </u>	T =		erature/ <i>-4-0</i>	4CF=10°	1	3E +	(GR(bol	8 8	etak	Ž	Gg	₹	i-VC	<u>=</u>		اڇ	osit	ح
Date	Time	Matrix	Sample Request ID	Container Type and # Market	Preservative Type	HEAL No. 1908912	BTEX, + NATBE	BTEX + MTBE + TPH (Gas	TPH 8015B (GRO	TPH (Method 418.1)	EDB (INIETHOO 504.1) PAH (8310 or 82705)	RCRA 8 Metals	Anions (F,CI,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)
}(IS/19	1007	SOIL	5PC-TB@ 4,5 (80)	4 oz 1	Cool	701	٧		٧								٧		_	V	\neg
						, , , , ,			Ī												
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								1			+						\neg	\neg	\dashv	\dashv	
Date:	1414			Mustulikela 8/15/19 14/14			Remarks: BILL DIRECTLY TO BPX USING THE CONTACT(S) BELOW. PO DELIVERED VIA EMAIL OR IS PENDING. CONTACT: SABRE BEEBE / ERIN DUNMAN														
0ate: 8 15 19	1861	Relimquishe	sut Walso	Received by:		Date Times 7															
-	If necessa	ry, samples s	ubmitted to Hall Environmental may be se	ubcontracted to other a	accredited laboratorie	s. This serves as notice of	this po	ssibili	ty. An	y sub-cc	ntracte	d data v	vill be	clearly	notate	ed on t	he ana	ılytical	report		

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908912**

19-Aug-19

Client: Blagg Engineering

Project: NEBU 247

Sample ID: MB-46848 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 46848 RunNo: 62203

Prep Date: 8/16/2019 Analysis Date: 8/16/2019 SeqNo: 2113198 Units: mg/Kg

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

Chloride ND 4.5

Sample ID: LCS-46848 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 46848 RunNo: 62203

Prep Date: 8/16/2019 Analysis Date: 8/16/2019 SeqNo: 2113199 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.0 90 110

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 Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908912**

19-Aug-19

Client: Blagg Engineering

Project: NEBU 247

Sample ID: LCS-46810 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 46810 RunNo: 62181

Prep Date: 8/15/2019 Analysis Date: 8/16/2019 SeqNo: 2111029 Units: %Rec

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

Surr: DNOP 3.7 5.000 73.8 70 130

Sample ID: MB-46810 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 46810 RunNo: 62181

Prep Date: 8/15/2019 Analysis Date: 8/16/2019 SeqNo: 2111030 Units: %Rec

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

 Surr: DNOP
 8.2
 10.00
 82.3
 70
 130

Sample ID: MB-46844 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 46844 RunNo: 62182

Prep Date: 8/16/2019 Analysis Date: 8/16/2019 SeqNo: 2111354 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.5 10.00 95.1 70 130

Sample ID: LCS-46844 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 46844 RunNo: 62182

Prep Date: 8/16/2019 Analysis Date: 8/16/2019 SeqNo: 2111920 Units: mg/Kg

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

 Diesel Range Organics (DRO)
 48
 10
 50.00
 0
 95.8
 63.9
 124

 Surr: DNOP
 4.5
 5.000
 90.3
 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 Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908912**

19-Aug-19

Client: Blagg Engineering

Project: NEBU 247

Sample ID: RB SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: G62171 RunNo: 62171

Prep Date: Analysis Date: 8/16/2019 SeqNo: 2112318 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 103 77.4 118

Sample ID: 2.5UG GRO LCS SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: G62171 RunNo: 62171

Prep Date: Analysis Date: 8/16/2019 SeqNo: 2112319 Units: mg/Kg

LowLimit Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 80 26 5.0 25.00 0 102 120 Surr: BFB 1300 1000 133 77.4 S 118

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

Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

1.0

WO#: **1908912**

19-Aug-19

Client: Blagg Engineering

Project: NEBU 247

Surr: 4-Bromofluorobenzene

Sample ID: RB SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: B62171 RunNo: 62171

Prep Date: Analysis Date: 8/16/2019 SeqNo: 2112353 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 97.0 80 120

1.000

Sample ID: 100NG BTEX LCS	Samp	Гуре: LC	.CS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS	DSS Batch ID: B62171					RunNo: 62171							
Prep Date:	Analysis Date: 8/16/2019			5	SeqNo: 2	112354	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.97	0.025	1.000	0	97.2	80	120						
Toluene	1.0	0.050	1.000	0	101	80	120						
Ethylbenzene	1.0	0.050	1.000	0	101	80	120						
Xylenes Total	3.0	0.10	3 000	0	101	80	120						

104

80

120

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 Limit



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: 1908912 RcptNo: 1 an Ilm Received By: Anne Thorne 8/16/2019 7:57:00 AM ame Am Completed By: Anne Thorne 8/16/2019 8:37:11 AM 4 16 19 Reviewed By: ... Q Chain of Custody 1. Is Chain of Custody complete? Yes 🗹 No 🗌 Not Present 2. How was the sample delivered? <u>Courier</u> Log In 3. Was an attempt made to cool the samples? No 🗌 Yes 🗸 NA 🗌 No \square Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No \square Yes 🗹 6. Sufficient sample volume for indicated test(s)? No 🗌 No 🗆 7. Are samples (except VOA and ONG) properly preserved? Yes 🗹 8. Was preservative added to bottles? Yes No 🗸 NA 🗌 9. VOA vials have zero headspace? Yes 🗌 No 🗌 No VOA Vials 🗸 Yes \square 10. Were any sample containers received broken? No 🗹 # of preserved bottles checked 11. Does paperwork match bottle labels? No 🗔 for pH: (<2.01>12 unless noted) (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13, Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Checked by: Yes 🗹 No L (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? No 🗌 NA 🗹 Yes 🗌 Person Notified: Date By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp C Condition Seal Intact Seal No Seal Date 1 1.0 Good



