District I 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application	
Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method	
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request	
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinary.	nances.
Operator: BP America Production Company Address: 200 Energy Court, Farmington, NM 87401 Facility or well name: FLORANCE R 004	
API Number: 3004527416 OCD Permit Number:	
U/L or Qtr/Qtr N Section 14 Township 30N Range 09W County: San Juan	
Center of Proposed Design: Latitude 36.80645 Longitude -107.75239 NAD83	
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
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 Drilling Fluid □ yes □ no □ 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. Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 95 bbl Type of fluid: Produced Water	

Tank Construction material: Steel ☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off ☐ Visible sidewalls and liner ☐ Visible sidewalls only ■ Other Single wall/ double bottom; sidewalls visible Liner type: Thickness mil HDPE PVC Other Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital,

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

institution or church)

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.							
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of 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							
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							
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. Visual inspection (certification) of the proposed site: Aerial photo: Satellite image.	☐ 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									
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									
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									
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									
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 docattached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC								
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 docattached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	.15.17.9 NMAC								

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC									
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are								
attached.									
☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC									
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC									
Climatological Factors Assessment									
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC									
Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC									
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC									
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC									
Quality Control/Quality Assurance Construction and Installation Plan									
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC									
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC									
☐ Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan									
Emergency Response Plan									
Oil Field Waste Stream Characterization									
Monitoring and Inspection Plan									
Erosion Control Plan									
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC									
Closure Fian - based upon the appropriate requirements of Subsection C of 15.15.17.5 NMAC and 15.15.17.13 NMAC									
Proposed Closure: 19.15.17.13 NMAC									
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.									
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl	luid Management Pit								
	iuid Management i it								
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									
Alternative Closure Method									
14.									
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a	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 C of 19.15.17.13 NMAC									
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)									
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC									
Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC									
Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC									
Site Reclamation Final vased upon the appropriate requirements of succeeding Final F									
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	ce material are								
provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P	lease refer to								
19.15.17.10 NMAC for guidance.									
17.17.17.17.17.17.17.17.17.17.17.17.17.1									
Ground water is less than 25 feet below the bottom of the buried waste.	Yes No								
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA								
,									
Ground water is between 25-50 feet below the bottom of the buried waste	Yes No								
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA								
The office of the state Engineer That Each state of the s									
Ground water is more than 100 feet below the bottom of the buried waste.	Yes No								
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA								
- NW Office of the State Englisher - TWATERS database scalen, 0503, Data obtained from hearby wens	LI NA								
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa	Yes No								
lake (measured from the ordinary high-water mark).	163 110								
- Topographic map; Visual inspection (certification) of the proposed site									
Wistin 200 for form a comment with a called homital institution on shough in origination of the time of initial ambigation									
Within 300 feet from a 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence	Yes No								
at the time of initial application.									
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site									
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	D V D M								
	☐ Yes ☐ No								
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance									
manner medi per accidentation of within a defined mainerpar fresh water well field covered under a mullicipar ordinance									

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No								
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division									
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No								
Within a 100-year floodplain FEMA map									
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 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC								
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believe to the Destroy of the D									
Signature: Date:									
e-mail address: Telephone:									
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Title: Twind Membra Spec. OCD Permit Number:	23/18								
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.									
Closure Completion Date: 3/22/2018									
0/00/0040	op systems only)								

22.										
Operator Closure Certification:										
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.										
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator									
Signature:Utin gatifialos	Date: May 17, 2018									
e-mail address: erin.garifalos@bp.com	Telephone: (832) 609-7048									

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

FLORANCE R 004

API No. 3004527416

Unit Letter N Section 14 T 30N R 09W

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

General Closure Plan

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

Notice is attached.

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

Notice was provided and is attached.

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

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

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

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

The BGT was transported for recycling.

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

All equipment associated with the BGT has been removed.

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

Constituents	Testing Method	Release Verification	Sample
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.018
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.071
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<46
Chlorides	US EPA Method 300.0 or 4500B	620	< 30

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

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

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

C-141 is attached.

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

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

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

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

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

The area has been backfilled and BGT location's surface condition is clear, but within the site's operational area. The area will be reclaimed with 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 BGT location's surface condition is clear, but within the site's operational area. The area will be reclaimed with 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 BGT location's surface condition is clear, but within the site's operational area. The area will be reclaimed with 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 BGT location's surface condition is clear, but within the site's operational area. The area will be reclaimed with 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 BGT location's surface condition is clear, but within the site's operational area. The area will be reclaimed with the well is plugged and abandoned.
- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation.

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

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

Certification section of C-144 has been completed.

District I
1625 N. French Dr., Hobbs, NM 88240
District 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

Revised April 3, 2017

Form C-141

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

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

			Rele	ease Notific	cation	i and Co	orrective A	ction	1				
						OPERA'	ГOR		Initia	al Report		Final Report	
Name of Co	mpany BF	У	Contact Erin Garifalos										
				n, NM 87401		Telephone No. (832) 609-7048							
Facility Nan	ne FLOR	ANCE R 0	04			Facility Typ	e: Natural Ga	as We	ell				
Surface Owner: Federal Mineral Owner: Federal API No. 3004527416													
				LOCA	ATIO	OF RE	LEASE						
Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County													
N	14	30N	09W	1,010	Sou	ıth	1,730	We	est	S	Juan		
Latitude 36.80645 Longitude -107.75239 NAD83													
				NAT	URE	OF REL	EASE						
Type of Relea	ase:: none)					Release:: unkno			Recovered::			
Source of Re	^{lease:} belo	w grade ta	nk - 95	bbl		Date and F	Hour of Occurrence	ce:	Date and n/a	Hour of Disc	covery:		
Was Immedia						If YES, To	Whom?		Tir a				
			Yes 🗸	No Not R	equired								
By Whom?						Date and H							
Was a Water	course Read		Yes 🗸	No		If YES, Vo	olume Impacting t	the Wat	ercourse.				
If a Watercou	rse was Im	nacted Descr	ibe Fully.*	•									
Tra Watereou	7740 7711	parted, Deser	ice i diij.										
Describe Cau	se of Probl	em and Reme	dial Action	Taken.*	olina c	of the soil	beneath the	BGT	was do	ne durin	a rom	oval	
							d for Chloric						
							Field reports						
Describe Area	A ffeeted	and Cleanup A	Action Tak				1010 1000110			y roounce			
Describe Area	a Affected		Action Tak	No actio	n nec	essary. F	inal laborate	ory a	nalysis c	determin	ed no		
				remedia	l actio	n is requ	ired.						
							knowledge and u						
							nd perform correc arked as "Final R						
70 au a				101 101			on that pose a thr	-				12	
				tance of a C-141	report de	oes not reliev	e the operator of	respons	ibility for co	ompliance w	ith any o	other	
federal, state,	or local lav	ws and/or regu	llations.				OIL CON	SERV	ATION	DIVISIO	N		
0	Tina	Willage	4				OIL COIN	OLIC V	MITON	DIVISIO	11		
Signature:	wing	Wilfalo											
Printed Name: Erin Garifalos Approved by Environmental Specialist:													
Title: Field Environmental Coordinator Approval Date: Expiration Date:													
E-mail Addre						Conditions of Approval:							
Date: May 1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(832) 609-70						Attached	Ш		
A 1 A 1 11.	. 1.01	TOST											

^{*} Attach Additional Sheets If Necessary

bp



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

March 16, 2018

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

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank

Well Name: FLORANCE R 004

API #: 3004527416

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 March 20, 2018. If there aren't any unforeseen problems, the work should be completed within 10 working days.

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

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

Sincerely,

Erin Garifalos

BP America Production Company

From:

Buckley, Farrah (CH2M HILL)

To:

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

Cc:

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

Subject:

BP Pit Close Notification - FLORANCE R 004

Date:

Friday, March 16, 2018 9:44:42 AM

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

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

March 16, 2018

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

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

> FLORANCE R 004 API 30-045-27416 (N) Section 14 – T30N – R09W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around March 20, 2018.

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

Sincerely,

Erin Garifalos

Field Environmental Coordinator – San Juan

Cell: 832-609-7048

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	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413	API #: 3004527416 TANK ID (if applicble):
	(505) 632-1199 (circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:	(if applicble):
FIELD REPORT:	PAGE #:1 of1_	
SITE INFORMATION	DATE STARTED: 03/20/18	
QUAD/UNIT: N SEC: 14 TWP:	SITE NAME: FLORANCE R # 4 30N RNG: 9W PM: NM CNTY: SJ ST: NN	
	30'W SE/SW LEASE TYPE: FEDERAL STATE / FEE / INDIAN	1
LEASE #: SF080004	ENVIRONMENTAL SPECIALIST(S): NJV	
REFERENCE POINT	: WELL HEAD (W.H.) GPS COORD.: 36.80663 X 107.752	272 GL ELEV.: 6,095'
1) 95 BGT (SW/DB)	GPS COORD.: 36.80645 X 107.75239 DISTANC	CE/BEARING FROM W.H.: 129', S48.5E
2)	GPS COORD.: DISTANC	CE/BEARING FROM W.H.:
3)	GPS COORD.: DISTANC	E/BEARING FROM W.H.:
· ·	GPS COORD.: DISTANC	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL	OVM READING
	(95) SAMPLE DATE: 03/20/18 SAMPLE TIME: 1135 LAB ANALYSIS:	(ppm)
	SAMPLE DATE: SAMPLE TIME: 1100 LAB ANALYSIS:	OF TODAGO TENODO.O (OI)
	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	
4) SAMPLE ID:	SAMPLE DATE:SAMPLE TIME: LAB ANALYSIS:	
5) SAMPLE ID:	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	
	OSE (FIRM) DENSE / VERY DENSE HC ODOR DETECTED: YES NO EXPLANATION - ET / SATURATED / SUPER SATURATED OF PTS. 5 ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION -	RM / STIFF / VERY STIFF / HARD
SITE OBSERVATION	S: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION -	
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA:	D AND/OR OCCURRED: YES NO EXPLANATION:	
EXCAVATION DIMENSION ESTIMATION:	NA ft. X NA ft. X NA ft. EXCAVATION	I ESTIMATION (Cubic Yards) : NA
		NMOCD TPH CLOSURE STD: 1,000 ppm
SITE SKETCH	BGT Located : off on site PLOT PLAN circle: attached	OMICHIE DEAD
ТО	N	OVM CALIB. READ. = NA ppm RF = 1.00 OVM CALIB. GAS = NA ppm TIME: NA am/pm DATE: NA
W.H.	✓ FENCE	MISCELL. NOTES wo: REF#: P-961 VID: VHIXONEV11
	PBGTL T.B. ~6' B.G. BERM	PJ#: Permit date(s): 06/02/10 OCD Appr. date(s): 01/31/17 Tank OVM = Organic Vapor Meter ID ppm = parts per million A BGT Sidewalls Visible: (Y) N
	BGT Sidewalls Visible: Y / N	
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL	X - S.P.D. IN DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~= APPROX.; W.H. = WELL HEAD; DW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA- NOT WALL; DW-DOUBLE WALL; SB-SINGLE BOTTOM; DB-DOUBLE BOTTOM.	BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
NOTES: GOOGLE EARTH IMAGI		-

Analytical Report Lab Order 1803B42

Date Reported: 3/22/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 6' (95)

Project: FLORANCE R 4

Collection Date: 3/20/2018 11:35:00 AM

Lab ID: 1803B42-001

Matrix: SOIL Received Date: 3/21/2018 7:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CJS
Chloride	ND	30	mg/Kg	20	3/21/2018 12:15:53 PM	37158
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/21/2018 11:28:00 AM	37148
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/21/2018 11:28:00 AM	37148
Surr: DNOP	102	70-130	%Rec	1	3/21/2018 11:28:00 AM	37148
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	3/21/2018 8:46:53 AM	G49962
Surr: BFB	92.5	15-316	%Rec	1	3/21/2018 8:46:53 AM	G49962
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.018	mg/Kg	1	3/21/2018 8:46:53 AM	B49962
Toluene	ND	0.035	mg/Kg	1	3/21/2018 8:46:53 AM	B49962
Ethylbenzene	ND	0.035	mg/Kg	1	3/21/2018 8:46:53 AM	B49962
Xylenes, Total	ND	0.071	mg/Kg	1	3/21/2018 8:46:53 AM	B49962
Surr: 4-Bromofluorobenzene	89.1	80-120	%Rec	1	3/21/2018 8:46:53 AM	B49962

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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

С	hain-c	of-Cus	stody Rec	ord	Turi fround	Time:	SAME	HALL ENVIRONMEN					NT	'AI	٠						
Client:	BLAG	G ENGR.	/ BP AMERIC	A	☐ Standard	☑ Rush _	DAY							LYSIS LABORATORY							
				5	Project Name			www.hallenvironmental.com						٠							
Mailing A	ddress:	P.O. BO	X 87		F	LORANCE I	R #4	4901 Hawkins NE - Albuquerque, NM 87109					}								
		BLOOM	FIELD, NM 874	13	Project #:				Te	el. 50)5-34	5-39	75	Fax	505	-345	-410	7			
Phone #:		(505) 63	32-1199										An	alysi	s Re	ques	st				
email or F	Fax#:				Project Manag	ger:						T	T	1				1)	T	T	
QA/QC Pa	_		Level 4 (Full	Validation)		ERIN GARI	FALOS	WB5 (8021B)	only)	MRO)			[2]	04,50	PCB's			er - 300.1)			a
Accreditat	tion:			4	Sampler:	NELSON V	ELEZ	188	(Gas	DRO/	1	1)	SIS	102,1	/ 8082			/ water			sample ()
□ NELAF	>	□ Other			AND ASSESSMENT AND ASSESSMENT OF THE PARTY HE WAS	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	© No · · · · · · · · · · · · · · · · · ·	1	TPH	-	418.1)	504.1)	827(3 2	18/8		8	0.00			r Sa
	Туре)				Sample Temp	erature: 126	<u>)</u> -	#	3E +	(GR(por	por	or	CI,N	cide	(A)	ıi-V	il-3		e .	(Y o
Date	Time	Matrix	Sample Re		Container Type and #	Preservative Type	HEAL NO.	BTEX + MH	BTEX + MTBE + TPH (Gas	TPH 8015B (GRO	TPH (Method	EDB (Method	PAH (8310 or 8270SIMS)	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 /			5 pt. composite sa Air Bubbles (Y or N)
3/20/18	1135	SOIL	5PC - TB @	6 (95)	4 oz 1	Cool	-661	٧		٧								٧	\top		٧
																			\top		
												\top								\top	
													\top						十	1	
												\neg	\top	+	1				十	1	
												\dashv	\top	+	_			\Box	\top	\top	1
								 				-	+						+	十	+
												\dashv	+	+	+				_	+	1
-	-			· · · · · ·				-				\dashv	+	+	\vdash	-		\vdash	+	+	_
	-	 						-				\dashv	+		+				\dashv	+	_
					<u> </u>			\vdash	-		\vdash	-	+	+	+	-			+	+	+
								-	-		\vdash	\dashv	\dashv	╁	+	┼			\dashv	+	+
Date:	Date: Time: Relinquished by:				Received by:		Date Time	Ren	narks	:	BILL C	DIRECTI	Y TO E	BP USIN	G THE	CONT	ACT V	VITH C	ORRES	PONE	DING VID
3/20/18	118 1720 MmV/				Mrs	tibes	3/20/18 1720	Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPO													
Date: 3/2 6/1 C	Time:	Relinquish	ed by: Was	J-	Received by:	. In	Date Time 53/2/1/8 0700 Conse	VID: VHIXONEV11 Reference # P - 961													
169/11	1 .	ary samples s	submitted to Hall Envir	onmental may be s	subcontracted to other	accredited laboratorie	es. This serves as notice of	f this p	ossibi	lity. A	ny sub-	contrac	ted da	ta will b	clear	y nota	ted on	the an	alytical	report	L



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 Nu	imber: 1803B42		RcptNo	RcptNo: 1					
	in 1965		*			×					
Received By:	Anne Thorne	3/21/2018 7:00:0	O AM	anne Stra	-						
Completed By:	Anne Thorne	3/21/2018 7:34:0	5 AM	anne Sha	_						
Reviewed By:	N 3/21/18			100							
	1 (ere n	e.					
Chain of Cus											
1. Is Chain of C	custody complete?		Yes 🗹	No 🗌	Not Present	(a)					
2. How was the	sample delivered?		Courier								
Log In	j.										
	npt made to cool the	samples?	Yes 🗹	No 🗌	NA 🗀						
			-	. –							
4. Were all samp	ples received at a ten	perature of >0° C to 6.0°C	Yes 🗸	No 📙	NA 🗆						
5. Sample(s) in	proper container(s)?		Yes 🗸	No 🗌							
						ı.					
6. Sufficient sam	nple volume for indica	ted test(s)?	Yes 🗹	No 🗆							
		G) properly preserved?	Yes 🔽	No 🗆							
8. Was preserva	tive added to bottles?)	Yes 🗀	No 🗸	NA 🔲						
9. VOA vials hav	ve zero headspace?		Yes	No 🗆	No VOA Vials 🗹						
10. Were any sar	mple containers receiv	ved broken?	Yes	No 🗹	# 45						
					# of preserved bottles checked						
The same of the sa	ork match bottle labels ancies on chain of cus		Yes 🗹	No 🗀	for pH:	>12 unless noted)					
	correctly identified on		Yes 🗹	No 🗆	Adjusted?	*					
13. Is it clear what	t analyses were reque	ested?	Yes 🗹	No 🗆							
	ng times able to be m		Yes 🗹	No 🗆	Checked by:						
	ustomer for authorizal			-							
	ing (if applicable										
15. Was client no	tified of all discrepand	cies with this order?	Yes 🗔	No 🗆	. NA 🗹	1					
Person	Notified:	Dat	e T								
By Who		Via	: eMail Pr	one 🗌 Fax	In Person						
Regardi	ing: nstructions:										
		a e e e e e e e e e	2.00	10.0 C 10.00 10 0	00.9 00 05.9						
16. Additional rer											
17. Cooler Information Gooter No.		tion Seal Intact Seal No	1 destruction	A/AAAAAAAAA							
1	1.0 Good	tion Seal Intact Seal No. Yes	Seal Date	Signed By							
Lawrence											

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803B42

22-Mar-18

Client:

Blagg Engineering

Project:

FLORANCE R 4

Sample ID MB-37158

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 37158

RunNo: 49959

Prep Date: 3/21/2018 Analysis Date: 3/21/2018

PQL

SeqNo: 1618491

Units: mg/Kg

%RPD

%RPD

HighLimit

RPDLimit

Qual

Analyte Chloride

ND 1.5

Sample ID LCS-37158

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 37158

RunNo: 49959

Prep Date: 3/21/2018 Analysis Date: 3/21/2018

SeqNo: 1618492

Units: mg/Kg

Analyte

SPK value SPK Ref Val %REC LowLimit

Qual

SPK value SPK Ref Val %REC

LowLimit HighLimit **RPDLimit**

PQL

110

Chloride

Result

Result

90

15.00 91.7 14 1.5 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 2 of 5

P Sample pH Not In Range

RL Reporting Detection Limit Sample container temperature is out of limit as specified

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803B42

22-Mar-18

Client: Blagg Engineering FLORANCE R 4 Project:

Sample ID LCS-37148 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 37148 RunNo: 49954

Prep Date: 3/21/2018 Analysis Date: 3/21/2018 SeqNo: 1617422 Units: mg/Kg

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

93.7 Diesel Range Organics (DRO) 47 10 50.00 0 70 130 85.4 70 130 Surr: DNOP 4.3 5.000

Sample ID MB-37148 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 37148 RunNo: 49954 Prep Date: 3/21/2018 Analysis Date: 3/21/2018 SeqNo: 1617423 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.8 10.00 98.0 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H 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

Analyte detected in the associated Method Blank В

E Value above quantitation range

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 3 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Result

WO#:

1803B42

22-Mar-18

Client: Blagg Engineering Project: FLORANCE R 4

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

Client ID: PBS Batch ID: G49962 RunNo: 49962

PQL

Prep Date: Analysis Date: 3/21/2018 SeqNo: 1618119 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 950 1000 95.4 15 316

SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Sample ID 2.5UG GRO LCS Batch ID: G49962 Client ID: **LCSS** RunNo: 49962 SeqNo: 1618120 Prep Date: Analysis Date: 3/21/2018 Units: mg/Kg

%REC

LowLimit

HighLimit

%RPD

RPDLimit

Qual

Analyte 27 Gasoline Range Organics (GRO) 5.0 25.00 0 107 75.9 131 Surr: BFB 1100 1000 111 15 316

SPK value SPK Ref Val

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
- 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
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Page 4 of 5

ACC

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803B42

22-Mar-18

Client: Project: Blagg Engineering FLORANCE R 4

Sample ID RB	SampType: MBLK			Tes						
Client ID: PBS	Batch ID: B49962			RunNo: 49962						
Prep Date:	Analysis Date: 3/21/2018			SeqNo: 1618155			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	0.89		1.000		89.0	80	120			

Sample ID 100NG BTEX LC	Samp	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: B4	9962	RunNo: 49962							
Prep Date:	Analysis [Analysis Date: 3/21/2018			SeqNo: 1618156			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.94	0.025	1.000	0	94.0	77.3	128				
Toluene	0.95	0.050	1.000	0	95.2	79.2	125				
Ethylbenzene	0.95	0.050	1.000	0	95.2	80.7	127				
Xylenes, Total	2.9	0.10	3.000	0	97.9	81.6	129				
Surr: 4-Bromofluorobenzene	0.93		1 000		927	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

Page 5 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



