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.

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: BP AMERICA PRODUCTION COMPANY OGRID #: 778			
Address: 380 North Airport Road, Durango, CO 81303			
Facility or well name: FLORANCE 106			
API Number: 3004520385 OCD Permit Number:			
U/L or Qtr/Qtr M Section 8.0 Township 30.0N Range 09W County: San Juan County			
Center of Proposed Design: Latitude 36.82109 Longitude -107.80984 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: Thicknessmil LLDPE HDPE PVC OtherDISTRICT			
☐ 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)			
intent)			
intent) □ Drying Pad □ Above Ground Steel Tanks □ Haul-off Bins □ Other			
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other			
□ Drying Pad □ Above Ground Steel Tanks □ Haul-off Bins □ Other □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other			
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other			
□ Drying Pad □ Above Ground Steel Tanks □ Haul-off Bins □ Other □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other			
□ 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			
Drying Pad			

Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6				
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)				
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)				
Four foot height, four strands of barbed wire evenly spaced between one and four feet				
Alternate. Please specify				
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				
☐ Signed in compniance with 19.15.10.6 NMAC				
9. 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 consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for			
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 acceptable source rial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.				
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). - 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No			
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits)	☐ Yes ☐ No ☐ NA			
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock 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 	Yes No			
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No			
Within 500 feet of a wetland. - 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. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No			
Within a 100-year floodplain FEMA map	☐ Yes ☐ No			

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 19.15.17.12 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 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 Preeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Erosion Control Plan 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
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 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

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S Instructions: Please indentify the facility or facilities for the disposal of liquids, diffacilities are required.				
	Disposal Facility Permit Number:			
	Disposal Facility Permit Number:			
Will any of the proposed closed-loop system operations and associated activities occ Yes (If yes, please provide the information below) No				
Required for impacted areas which will not be used for future service and operations: 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 I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 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. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.				
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 from nearby wells	☐ Yes ☐ No ☐ NA		
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 from nearby wells	☐ Yes ☐ No ☐ NA		
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells				
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				
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 private, domestic fresh water well or spring that less than five households use for domestic or stock 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; 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 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. - 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				
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map 	& Mineral 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 items must be attached to the closure plan. Please indicate, 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 F of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 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 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 Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC 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 G of 19.15.17.13 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 belief.			
Name (Print): Title:			
Signature: Date:			
e-mail address: Telephone:			
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 124 209 Title: OCD Permit Number:			
Closure Report (required within 60 days of closure completion): Subsection K of 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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 12\03\2018			
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.			
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.			
Disposal Facility Name: Disposal Facility Permit Number:			
Disposal Facility Name: Disposal Facility Permit Number:			
Were the closed-loop system operations and associated activities performed on or in areas that <i>will not</i> be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No			
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique			
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check k 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) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude 36.82109 Longitude -107.80984 NAD: □1927 ▼ 1983			
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): Steve Moskal Title: Field Environmental Coordinator			
Signature: <u>New Mars</u> Date: 1/23/2019			
e-mail address: steven.moskal@bpx.com Telephone: 505-330-9179			

12.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure rep	ort is true, accurate and complete to the best of my knowledge and
belief. I also certify that the closure complies with all applicable closure requiremer	its and conditions specified in the approved closure plan.
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

District I
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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 BP America Production Company					
Contact Name Steve Moskal				Contact T	elephone (505) 330-9179
Contact email Steven.Moskal@bpx.com			com	Incident #	(assigned by OCD)
Contact mail	ing address	380 North Air	rport Road, Du	rango, CO 81	303
Location of Release Source					
Latitude	36.	82109		Longitude	
			(NAD 83 in dec	imal degrees to 5 deci	mal places)
Site Name F	LORANG	CE 106		Site Type	Natural Gas Well
Date Release	Discovered			API# (if ap	plicable) 30-045-20385
TT 't T tt	G 4:	T 1:			
Unit Letter M	Section 8	Township 30N	Range 09W	Cou San J	
IVI	0	3014	09 W	San J	uan
Surface Owner: State Federal Tribal Private (Name: Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)					
Crude Oil		Volume Release	ed (bbls)		Volume Recovered (bbls)
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)
Is the concentration of dissolved chloride produced water >10,000 mg/l?				nloride in the	☐ Yes ☐ No
Condensa	te	Volume Release	ed (bbls)		Volume Recovered (bbls)
☐ Natural Gas Volume Released (Mcf)			ed (Mcf)		Volume Recovered (Mcf)
Other (describe) Volume/Weight Released (provide units		units)	Volume/Weight Recovered (provide units)		
Cause of Rele	ease TPH,	BTEX, & chl	oride all below	below-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	

release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?	
☐ Yes ⊠ No			
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?	
Not required.			
	Initial Re	esponse	
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.		
The impacted area has	s been secured to protect human health and	the environment.	
	•	ikes, absorbent pads, or other containment devices.	
	ecoverable materials have been removed and		
-	d above have not been undertaken, explain v		
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation			
has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Steve	Moskal	Title: Environmental Coordinator	
Signature:	***************************************	Date:	
email: Steven.Mosl	kal@bpx.com	Telephone: (505) 330-9179	
OCD Only			
Received by:		Date:	

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Florance # 106 – Tank ID: A
API #: 3004520385
Unit Letter M, Section 8, T30N, R09W

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 documented in the attached email.

- 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/or sludge within 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
		(mg/Kg)	Results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.019
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.075
TPH	US EPA Method SW-846 418.1	100	9.7
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<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 beneath the BGT was sampled for TPH, BTEX, and chloride. All test parameters were below the stated limits. A field 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 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 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 reveal no evidence of a release has occurred. Area was backfilled with clean, earthen material and is within the active well pad.

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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 re-vegetation.

BP will notify NMOCD when re-vegetation is successfully completed.

- 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 & contains a photo of the 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.

BP Pit Close Notification - FLORANCE 106

Farrah Buckley <Farrah.Buckley@bpx.com>
 To:Smith, Cory, EMNRD,Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)
 Cc:jeffcblagg@aol.com, blagg_njv@yahoo.com, Steven Moskal, Roland Mora

November 21, 2018 at 9:03 AM

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

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

November 21, 2018

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

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

FLORANCE 106 API 30-045-20385 (M) Section 8– T30N – R9W 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 November 27, 2018.

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

Sincerely,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator Phone: (505) 330-9179

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.

bp



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

November 21, 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 106

API# - 3004520385

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 November 27, 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 (505)-330-9179.

Sincerely,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413	API #:			
	(505) 632-1199	(if applicble):			
FIELD REPORT:	PAGE #: 1 of 1				
SITE INFORMATION	DATE STARTED: 11/28/18				
QUAD/UNIT: M SEC: 8 TWP:	30N RNG: 9W PM: NM CNTY: SJ ST: NM	DATE FINISHED:			
1/4 -1/4/FOOTAGE: 790'S / 790'\					
LEASE #: SF078129A	PROD. FORMATION: PC CONTRACTOR: BP - J. GONZALES	SPECIALIST(S): NJV			
REFERENCE POINT	(1.11.1)	91 GL ELEV.: 6,447'			
1) 95 BGT (SW/DB)	GPS COORD.: 36.82109 X 107.80984 DISTANCE	E/BEARING FROM W.H.: 62', N26.5E			
2)	GPS COORD.: DISTANCE	E/BEARING FROM W.H.:			
3)	GPS COORD.: DISTANCE	E/BEARING FROM W.H.:			
4)	GPS COORD.: DISTANCE	E/BEARING FROM W.H.:			
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL	OVM READING (ppm)			
1) SAMPLE ID: 5PC - TB @ 3.5	(95) SAMPLE DATE: 11/28/18 SAMPLE TIME: 1147 LAB ANALYSIS:	8015B/8021B/300.0 (CI) NA			
	SAMPLE DATE:SAMPLE TIME:LAB ANALYSIS:				
,	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: SAMPLE DATE: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: LAB ANA				
	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:				
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY / CLAY / GRAVEL OTHER BED	DROCK (SANDSTONE)			
SOIL COLOR: PALE YEL					
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTL					
CONSISTENCY (NON COHESIVE SOILS): LC	The state of the s				
MOISTURE: DRY SLIGHTLY MOIST MOIST / W SAMPLE TYPE: GRAB (COMPOSITE) #					
DISCOLORATION/STAINING OBSERVED: YES		PLANATION -			
	S: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION -				
	DAND/OR OCCURRED : YES NO EXPLANATION:				
EQUIPMENT SET OVER RECLAIMED AREA:	YES NO EXPLANATION -				
OTHER: NMOCD OR BLM REPS. NOT PR	RESENT TO WITNESS CONFIRMATION SAMPLING. BEDROCK DIRECTLY BE	NEATH BGT (sampled).			
EXCAVATION DIMENSION ESTIMATION:	NAft XNAft XNAft EXCAVATION	ESTIMATION (Cubic Yards) : NA			
DEPTH TO GROUNDWATER: > 100'	NEAREST WATER SOURCE: <1,000' NEAREST SURFACE WATER: 300' < x < 1,00	0' NMOCD TPH CLOSURE STD: 100 ppm			
SITE SKETCH	BGT Located : off on site PLOT PLAN circle: attached	OVM CALIB. READ. = NA ppm RE =1 00			
	<u> </u>	OVM CALIB. READ. = NA ppm RF = 1.00			
	N	TIME: NA am/pm DATE: NA			
	WOODEN				
	R.W.	MISCELL. NOTES			
F	ENCE X	SIO #: 190040005402			
	PBGTL	REF#:			
	T.B. ~3.5' B.G.	VID: VHIXONEV11			
	BERM	PJ#:			
	Permit date(s): 06/03/10 OCD Appr. date(s): 03/26/18				
	Tank OVM = Organic Vapor Meter				
	D ppm = parts per million A BGT Sidewalls Visible: (Y) N				
	BGT Sidewalls Visible: Y / N				
NOTES: DOT - DELON/ODADE TANIV. F.D EVOA/ATIV	BGT Sidewalls Visible: Y / N				
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL	ON DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; OW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT E WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.	Magnetic declination: 10° E			
NOTES: GOOGLE EARTH IMAG					

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

Analytical Report Lab Order 1811D84

Date Reported: 11/30/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Project: FLORANCE 106

Client Sample ID: 5PC-TB @ 3.5' (95)

Collection Date: 11/28/2018 11:47:00 AM

Lab ID:

1811D84-001

Matrix: SOIL

Received Date: 11/29/2018 7:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	30	mg/Kg	20	11/29/2018 10:28:10 AM 41786
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: Irm
Diesel Range Organics (DRO)	9.7	9.6	mg/Kg	1	11/29/2018 10:20:21 AM 41784
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/29/2018 10:20:21 AM 41784
Surr: DNOP	108	50.6-138	%Rec	1	11/29/2018 10:20:21 AM 41784
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	11/29/2018 9:51:52 AM 41774
Surr: BFB	87.9	73.8-119	%Rec	1	11/29/2018 9:51:52 AM 41774
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	11/29/2018 9:51:52 AM 41774
Toluene	ND	0.038	mg/Kg	1	11/29/2018 9:51:52 AM 41774
Ethylbenzene	ND	0.038	mg/Kg	1	11/29/2018 9:51:52 AM 41774
Xylenes, Total	ND	0.075	mg/Kg	1	11/29/2018 9:51:52 AM 41774
Surr: 4-Bromofluorobenzene	84.5	80-120	%Rec	1	11/29/2018 9:51:52 AM 41774

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

Qualifiers:

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

С	hain-	of-Cus	stody Record	Turn-Around	Time:	SAME					10		=	B.IX	/T:	20	. PARI	ME		ГА	
Client:	BLAG	G ENGR	/ BP AMERICA	☐ Standard	Rush _	DAY)			H									R/			
				Project Name											nme						
Mailing A	ddress:	P.O. BO	X 87	F	LORANCE #	‡ 106		49	01 H										9		
	-	BLOOM	FIELD, NM 87413	Project #:			4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107														
Phone #:		(505) 63	32-1199	1								2020.00		Section 1	Re	The Part	THE REAL PROPERTY.		1		10
email or F	ax#:			Project Manag	jer:		PERMIT											-			
QA/QC Pa	_		Level 4 (Full Validation)		STEVE MO	SKAL	FMB's (8021B)	only)	MRO)			(S)		05,50	PCB's			er - 300.1)			d)
Accreditat	ion:			Sampler:	NELSON VI	ELEZ	8 (80	Gas	RO/	1)	1)	SIM		O ₂ ,F	8082			wat			mple
□ NELAF)	□ Other		On Ice:	≱ Yes	□ No nV	1	PH () / DI			3270		N, EC	s/8		(A)	300.0 / water			e sa	
□ EDD (1	Гуре)			Sample Temp	erature 3.4-C	6-1-0-2:43	1	+ 36	(GRC	pol v	pol	or 8	etals	N,I	cide	F	i-VC			e	osit
Date	Time	Matrix	Sample Request ID	Container Type and # MedHAL	Preservative Type	HEAL NO.	BTEX +-NATE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab sample	5 pt. composite sample
11/24/18	1147	SOIL	5PC-TB@ 3-5 (95)	4 oz 1	Cool	701	V		٧									٧			٧
																					\top
																					一
																				1	十
																				7	十
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		 										-				_				\dashv	+
													-	-	-		-			\dashv	+
		 					-					-			-		-		\dashv	+	+
Date:	Time:	Relinquish	ed by;	Received by:	\	Date Time	Rem	l narks	:	BILL	DIREC	TLYT	ОВР	USIN	3 THE	CONT	ACT V	WITH C	ORRE	SPON	DING 1
॥ । यहाउ	155D	20	luly	Misturde	donleh	11/28/18 1550	C	ONT	ACT:		# WI				E; ICE H	lixoi	N				
Date:	Time:	Relinquish	ed by:	Received by:		Date 11/29/18			VID:	VHI	KON	EV11	_								
1/38/18	11817	1 Ul	will will	La contract of to other	10m =	1700	f thin n		O #:		1900	-			alaari	v noto	tod on	tho an	abdica	Ironor	4

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811D84

30-Nov-18

Client:

Blagg Engineering

Project:

FLORANCE 106

Sample ID MB-41786

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 41786

RunNo: 55943

Prep Date: 11/29/2018 Analysis Date: 11/29/2018

PQL

Units: mg/Kg

Result

SeqNo: 1868713

%RPD

%RPD

HighLimit

RPDLimit Qual

Analyte Chloride

ND 1.5

Sample ID LCS-41786

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 41786

RunNo: 55943

Prep Date: 11/29/2018

Analysis Date: 11/29/2018

SeqNo: 1868714

Units: mg/Kg

Analyte

SPK value SPK Ref Val

%REC LowLimit HighLimit

RPDLimit Qual

PQL

0

97.1

110

Chloride

15.00

SPK value SPK Ref Val %REC LowLimit

15 1.5

90

Oualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit Sample container temperature is out of limit as specified Page 2 of 5

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811D84

30-Nov-18

Client:

Blagg Engineering

Project:

FLORANCE 106

Sample ID 1811D84-001AMS

SampType: MS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

5PC-TB @ 3.5' (95)

Batch ID: 41784

9.8

RunNo: 55920

Prep Date: 11/29/2018 Analysis Date: 11/29/2018

SeqNo: 1866976

86.0

110

Units: mg/Kg

Analyte Range Organics (DRO) Result PQL 52 5.4

SPK value SPK Ref Val %REC 9.713 49.16

4.916

LowLimit

53.5

50.6

126

138

HighLimit

%RPD

RPDLimit Qual

Surr: DNOP

Sample ID 1811D84-001AMSD

SampType: MSD Batch ID: 41784

TestCode: EPA Method 8015M/D: Diesel Range Organics

Prep Date:

Client ID: 5PC-TB @ 3.5' (95)

RunNo: 55920

11/29/2018

11/29/2018

Analysis Date: 11/29/2018

SeqNo: 1866977

Units: mg/Kg

%RPD **RPDLimit** Result PQL SPK value SPK Ref Val %REC HighLimit Qual Analyte I owl imit Range Organics (DRO) 54 9.8 49.12 9.713 90.0 53.5 126 3.67 21.7 138 0 0 Surr: DNOP 5.5 4.912 112 50 6

SPK value SPK Ref Val

SPK value SPK Ref Val

50.00

5.000

10.00

Sample ID LCS-41784

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

%RPD

%RPD

Client ID: LCSS

Batch ID: 41784

RunNo: 55920 SegNo: 1866978

%REC

101

HighLimit

Units: mg/Kg

130

RPDLimit

RPDLimit Qual

Qual

Analyte Result PQL Range Organics (DRO) 50 10 Surr: DNOP 5.1

102

0

138 TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID MB-41784 Client ID:

Surr: DNOP

Prep Date:

PBS

SampType: MBLK Batch ID: 41784

Analysis Date: 11/29/2018

RunNo: 55920

Prep Date: 11/29/2018

Motor Oil Range Organics (MRO)

Analysis Date: 11/29/2018

SeqNo: 1866979

Units: mg/Kg

HighLimit

Analyte Result PQL Range Organics (DRO)

ND 10 ND

10

50

103

%REC

50.6

LowLimit

LowLimit

70

50.6

138

Oualifiers:

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

POL 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 3 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#:

1811D84

30-Nov-18

Client:

Blagg Engineering

Project:

FLORANCE 106

Sample ID	MB-41775
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SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 41775

RunNo: 55952

Prep Date: 11/28/2018

Analysis Date: 11/29/2018

SeqNo: 1868332

Units: %Rec

Result

HighLimit

119

SPK value SPK Ref Val Analyte PQL %REC 92.0

LowLimit 73.8 %RPD **RPDLimit** Qual

Surr: BFB

920

1000

Sample ID LCS-41775

LCSS

SampType: LCS Batch ID: 41775 TestCode: EPA Method 8015D: Gasoline Range

Client ID: Prep Date: 11/28/2018

Analysis Date: 11/29/2018

RunNo: 55952

SeqNo: 1868333

Units: %Rec

RPDLimit

Analyte

PQL

SPK value SPK Ref Val

%REC

LowLimit HighLimit %RPD

Surr: BFB

Result 1000

1000

105

73.8 119

Qual

Sample ID MB-41774

Client ID: PBS

SampType: MBLK Batch ID: 41774

PQL

5.0

TestCode: EPA Method 8015D: Gasoline Range RunNo: 55953

Prep Date:

11/28/2018

Analysis Date: 11/29/2018

SeqNo: 1868356

93.4

Units: mg/Kg HighLimit

RPDLimit

Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

Result ND SPK value SPK Ref Val

1000

SPK value SPK Ref Val

%REC

73.8

LowLimit

%RPD **RPDLimit**

%RPD

Qual

SampType: LCS

930

TestCode: EPA Method 8015D: Gasoline Range

Sample ID LCS-41774 Client ID:

LCSS

11/28/2018

Batch ID: 41774

RunNo: 55953

119

Prep Date:

Result

Analysis Date: 11/29/2018

PQL

0

SeaNo: 1868357

Units: mg/Kg

Analyte Gasoline Range Organics (GRO)

Surr: BFB

26 1000

5.0 25.00 1000 %REC LowLimit 105 102

80.1 73.8

HighLimit 123 119

Qualifiers:

ND

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- 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
- P Sample pH Not In Range
- RL Reporting Detection Limit Sample container temperature is out of limit as specified
- I
 - Analyte detected below quantitation limits Page 4 of 5

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811D84

30-Nov-18

Client:

Blagg Engineering

Project:

FLORANCE 106

Sample ID	MB-41775

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID:

PBS

Batch ID: 41775

RunNo: 55952

Prep Date: 11/28/2018 Analysis Date: 11/29/2018

SeqNo: 1868345

Units: %Rec

PQL

LowLimit HighLimit 80

RPDLimit Qual

Surr: 4-Bromofluorobenzene

0.97

1.000

97.1

120

Sample ID LCS-41775

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID:

LCSS

Batch ID: 41775

RunNo: 55952

Prep Date:

11/28/2018

SeqNo: 1868346

Units: %Rec

RPDLimit

Analyte

Analysis Date: 11/29/2018

SPK value SPK Ref Val

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC

%REC 99.9

%RPD

%RPD

Surr: 4-Bromofluorobenzene

Result 1.0

Result

ND

0.91

0.97

0.95

2.8

0.90

1.000

LowLimit

LowLimit

HighLimit 120

RPDLimit

Qual

Client ID:

Prep Date:

Sample ID MB-41774

PBS

11/28/2018

SampType: MBLK Batch ID: 41774

Analysis Date: 11/29/2018

PQL

0.10

PQL

TestCode: EPA Method 8021B: Volatiles

RunNo: 55953

SeqNo: 1868374

Units: mg/Kg

HighLimit

%RPD

Qual

Qual

Analyte Benzene

Ethylbenzene

Xylenes, Total

Toluene

Surr: 4-Bromofluorobenzene

Sample ID LCS-41774

Prep Date: 11/28/2018

Client ID: LCSS

ND 0.025 ND 0.050 ND 0.050

1.000

90.7

80

120

SampType: LCS Batch ID: 41774 TestCode: EPA Method 8021B: Volatiles

RunNo: 55953

Units: mg/Kg

120

120

120

120

120

HighLimit %RPD

RPDLimit

Analyte Benzene Toluene

Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene

PQL Result 0.95 0.025

0.050

0.050

0.10

Analysis Date: 11/29/2018

1.000

1.000

1.000

SPK value SPK Ref Val

SeqNo: 1868375 %REC 0

LowLimit

95.2

96.6

80 80

80 80

3.000 0 1.000

0

0

94.4 90.2

94.9

80

PQL

Qualifiers: Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit % Recovery outside of range due to dilution or matrix 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 Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLA	GG	Work Order Number:	1811	D84			RcptNo	: 1
Received By: Ani	ne Thome	11/29/2018 7:00:00 AM	ı		Am	Ann	_	
Completed By: Ani	ne Thorne	11/29/2018 7:33:32 AM	l		Am.	11		
Reviewed By:	10	H 29/18			Cina	John.		
Label h	1 A- 11/291	/7						
Chain of Custody		′ 8						
1. Is Chain of Custody			Yes	✓	No		Not Present	
2. How was the samp	le delivered?		Cour	ier				
Log In	ade to cool the samples?		Yes	•	No		NA 🗆	
o. Pras an attompt me	ado to cool the dampies :		163		110			
4. Were all samples re	eceived at a temperature o	f >0° C to 6.0°C	Yes	~	No		NA 🗆	
F 0								
5. Sample(s) in proper	r container(s)?		Yes	V	No			
6. Sufficient sample vo	olume for indicated test(s)?	, "	Yes	✓	No			
7. Are samples (excep	t VOA and ONG) properly	preserved?	Yes	✓	No			
8. Was preservative ac	dded to bottles?		Yes		No	V	NA 🗆	
9. VOA vials have zero	headsnace?	,	Yes		No	П	No VOA Vials ✓	
	ontainers received broken				No			
10.							# of preserved bottles checked	
11. Does paperwork ma	tch bottle labels?		Yes	V	No		for pH:	
	on chain of custody)		.,		N-		(<2 or	>12 unless noted)
12. Are matrices correct 13. Is it clear what analy	tly identified on Chain of C		Yes Yes	V	No No			
14. Were all holding tim				✓	No		Checked by:	
(If no, notify custome						L		
Special Handling (if applicable)							
15. Was client notified	of all discrepancies with th	is order?	Yes		No		NA 🗹	
Person Notifie	ed:	Date	-		No. tulenco-reso	CARK DAGS		
By Whom:	The same to the sa	Via:] eMa	ail Pho	ne 🗌	Fax	☐ In Person	
Regarding:								
Client Instruct	tions:	The second second second seconds				H =	NAME OF THE PERSON NAMED IN COLUMN	
16. Additional remarks	i.							
17. Cooler Informatio		and the state of t		one and instead of the case of a con-				
Cooler No Te	mp °C Condition Sea Good Yes	Intact Seal No Se	eal Da	ate Si	gned (Зу		
11.4	Good res	1						



