District I 7625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144 Revised June 6, 2013

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

Suite 10, 1111 07505 to the appropriate throat Blance office.
Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application
Type of action:  45-31891  Below grade tank registration  Permit of a pit or proposed alternative method  Closure of a pit, below-grade tank, or proposed alternative method  APR 17 2015
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 ordinances.
Operator: BP America Production CompanyOGRID#:778
Address:200 Energy Court, Farmington, NM 87401
Facility or well name:Lorraine Gas Com 1M
API Number:3004531891 OCD Permit Number:
U/L or Qtr/QtrKSection26_ Township30N_ Range8WCounty:San Juan
Center of Proposed Design: Latitude36.78212 Longitude107.64749 NAD: ☐1927 ☑ 1983
Surface Owner: M Federal M State Private Tribal Trust or Indian Allotment
☐ <u>Pit</u> : 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 Tank A
Volume:95.0bbl 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 _Double walled/double bottomed; side walls not visible
Liner type: Thicknessmil
4. Alternative Method:

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

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)	hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
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)	
7. Signal Cubacation C of 10.15.17.11 NIMAC	
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.	
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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.  -   NM Office of the State Engineer - iWATERS database search;   USGS;   Data obtained from nearby wells	Yes No
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks)  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	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	Yes No
<ul> <li>application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.  NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
Within 100 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.	
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
10.  Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc 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 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:	
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.	cuments are
□ 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	.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

Exemption Principles also Checklies   Subsection B of 19.15.17.9 NMAC		
Heydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC   Strange Criteria Compliance Demonstrations - based upon the uppropriate requirements of 19.15.17.10 NMAC   Climatodegold Theory Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC   Distriction and Streetural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Leak Describe Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Leak Described Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Qualify Control Qualify Assertation Plan   Based upon the appropriate requirements of 19.15.17.11 NMAC   Qualify Control Qualify Assertation Plan   Based upon the appropriate requirements of 19.15.17.11 NMAC   Prebada and Overnpriajn Percention Plan   Based upon the appropriate requirements of 19.15.17.11 NMAC   Distance of fiscardosts Office, including 18.5. Prevention Plan   Closure Plan - based upon the appropriate requirements of 19.15.17.13 NMAC   Prebada and Overnpriajn Percention Plan   Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC   Prepada Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC   Prepada Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC   Prepada Closure Plan - Based upon the appropriate requirements of Subsection Plan   Prepada Closure Plan Closure Plan Closure Method (Out) for temporary pits and closed-leep systems   Prepada Closure Plan Closure Method (Out) for temporary pits and closed-leep systems   Implee Busin Closure Method (Out) for temporary pits and closed-leep systems   Implee Busin Closure Method (Out) for temporary pits and closed-leep systems   Implee Busin Closure Method (Out) for temporary pits and closed-leep systems   Implee Busin Closure Method (Out) for temporary pits and closed-leep systems   Implee Busin Closure Method (Out) f		documents are
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:   Cavitation   P&A   Permanent Pit   Below-grade Tank   Multi-well Fluid Management Pit   Alternative   Waste Removal (Closed-loop systems only)   Consite Closure Method (Only for temporary pits and closed-loop systems)   Consite Closure Method (Only for temporary pits and closed-loop systems)   Consite Closure Method (Only for temporary pits and closed-loop systems)   Consite Closure Method (Only for temporary pits and closed-loop systems)   Consite Closure Method (Only for temporary pits and closed-loop systems)   Consiteration and Removal Closure Plan Please Burial   On-site Trench Burial   Alternative Closure Method (Only for temporary pits and closed-loop systems)   Consiteration of Constitution Sampling Plan (I spikelobe) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC   Constitution Sampling Plan (I spikelobe) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC   Constitution Sampling Plan (I spikelobe) - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stite Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stite Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stite Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stite Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stite Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stite Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Plan Rectandition Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Plan Rectandition Plan Plan Rectandition Plan Plan Rectandition Plan Rectandition Plan Rectanditio	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 <sub>2</sub> S, Prevention Plan  Emergency Response Plan  Oil Field Waste Stream Characterization  Monitoring and Inspection Plan  Erosion Control Plan	·
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.   Type:   Drilling   Workover   Emergency   Cavitation   P&A   Permanent Pit   Below-grade Tank   Multi-well Fluid Management. Pit   Maste Removal (Closed-loop systems only)   On-site Closure Method:   Waste Removal (Closed-loop systems only)   On-site Closure Method (Only for temporary pits and closed-loop systems)   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 Protocolures - based upon the appropriate requirements of 9.15.17.13 NMAC   Protocols and Protocolures - based upon the appropriate requirements of 9.15.17.13 NMAC   Disposal Facility Name and Permit Number (for liquid, stilling fluids and official cuttings)   Soil Backfill and Cover Design Specifications - 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 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 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 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 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 Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Site Reclamation Plan - based		
Proposed Closure Method:   Waste Excavation and Removal   Closed-loop systems only)   On-site Closure Method (Only for temporary pits and closed-loop systems)   In-place Burial   On-site Trench Burial   Maste Excavation and Removal Closure Method (Only for temporary pits and closed-loop systems)   In-place Burial   On-site Trench Burial   Maste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Places indicate, by a check mark in the box, that the documents are attached.   Protocols and Procedures - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC   Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stee Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stee Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stee Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Stee Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Steep - Steep - Steep - Steep - Subsection H of 19.15.17.13 NMAC   Steep - Steep - Steep - Steep - Steep - Subsection H of 19.15.17.13 NMAC   Steep - S		
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the elosure 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   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   Site Reclamation 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 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 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 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 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 Plan - based upon the dead 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 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 Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NM	Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F 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	luid Management Pit
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   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   Site Reclamation 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 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 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 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 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 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 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 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 Recla		
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 require justifications and/or demonstrations of equivalency.  Ground water is less than 25 feet below the bottom of the buried waste.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  Ground water is between 25-50 feet below the bottom of the buried waste  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  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 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  Topographic map; Visual inspection (certification) of the proposed site  Within 300 feet form a permanent residence, school, hospital, institution, or church in existence 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  Within 300 feet of a wetland.  US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  Yes \ No	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	
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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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site  Written confirmation or verification from the municipality; Written approval obtained from the municipality  Within 300 feet of a wetland.  US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  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 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  Within 300 feet of a wetland.  US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  □ Yes □ No  □ Yes □ No  □ Yes □ No  □ Yes □ No	lake (measured from the ordinary high-water mark).	☐ 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  Within 300 feet of a wetland.  US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  Yes \[ \] No		☐ Yes ☐ No
Within 300 feet of a wetland.  US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  Yes \[ \] No	at the time of initial application.	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
LI Yes LI NO		
	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes LI No

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	
written committee or verification from the mannerpainty, written approval obtained from the mannerpainty	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	
Within a 100-year floodplain FEMA map	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plans to the check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC  Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believes.	ief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18.  OCD Approval: Permit Application (including closure plan). Closure Plan (only) OCD Conditions (see attachment)  OCD Representative Signature: Approval Date: 4/2:  Title: OCD Permit Number:	3/2015
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: 12/31/2012	
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:12/31/2012	
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.	complete this

22. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure rebelief. I also certify that the closure complies with all applicable closure requirem	
Name (Print):Jeff Peace	Title: Field Environmental Coordinator
Signature: Jeff Pose	Date:April 16, 2015
e-mail address:peace.jeffrey@bp.com	Telephone:(505) 326-9479

### BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

#### BELOW-GRADE TANK CLOSURE PLAN

#### Lorraine Gas Com 1M API No. 3004531891 Unit Letter K, Section 26, T30N, R8W

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.
  - No notice was made due to misunderstanding of the BGT notice requirements at that time.
- 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.
  - No notice was made due to misunderstanding of the BGT notice requirements at that time.
- 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 to a storage area for sale and re-use.

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	0.2	ND
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	ND
TPH	US EPA Method SW-846 418.1	100	ND
Chlorides	US EPA Method 300.0 or 4500B	250 or background	39

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 and TPH, BTEX and chloride levels were below the stated limits. Sampling data is 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 no release 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

The area under the BGT was backfilled with clean soil and is still within the active well area.

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 over the BGT is covered by the LPT and is still within the active well area. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

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 over the BGT is covered by the LPT and is still within the active well area. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

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 over the BGT is covered by the LPT and is still within the active well area. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

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.

BP will seed the area when the well is plugged and abandoned as part of final reclamation.

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.

BP will notify NMOCD when re-vegetation is successful.

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

Certification section of C-144 has been completed.

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

### State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

### **Release Notification and Corrective Action**

						OPERA'	ГOR		Initia	al Report	$\boxtimes$	Fina	al Report
Name of Co	mpany: B	Р				Contact: Jef							
Address: 20	0 Energy (	Court, Farmi	ngton, N	M 87401		Telephone 1	No.: 505-326-9	479					
Facility Na	ne: Lorraii	ne Gas Com	1M			Facility Typ	e: Natural gas	well					
Surface Ow	ner: Feder	al		Mineral C	)wner:	Federal			API No	. 30045318	391		
				LOCA	TIOI	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the		West Line	County: Sa	ın Juar	1	
K	26	30N	8W	2,415	South		1,880	West	_				
		Lat	tude3	6.78212		_ Longitud	e107.64749_						
				NAT	URE	OF REL	EASE						
Type of Rele							Release: N/A			Recovered: N			
		v grade tank –	95 bbl				lour of Occurren	ce:	Date and	Hour of Disc	covery	:	
Was Immedia	ate Notice C		Yes [	No 🛛 Not Re	equired	If YES, To	Whom?						
By Whom?						Date and F	lour					•	
Was a Water	course Reac		_			If YES, Vo	lume Impacting	the Wat	ercourse.				
			Yes 🛚	No							•		
If a Watercou	ırse was İmj	pacted, Descr	be Fully.*							<u>-</u>			
		٠											
Describe Cau	se of Proble	em and Reme	dial Action	n Taken.* Sampli	ng of the	e soil beneath	the BGT was do	one durii	ng removal t	o ensure no	soil in	npacts	from
the BGT. So	il analysis r	esulted in TP	H, BTEX a	and chloride belov	w standa	ırds. Analys	s results are atta	ched.					J
				en.* BGT was re	moved a	ınd the area u	nderneath the BC	GT was	sampled. Th	ne area unde	r the B	GT w	as /as
backfilled and	d compacted	and is still v	ithin the a	ective well area.									
Y 1 1	C - 11 - 1 - 11 - 1	- C1'		***************************************	1.4.4.4	1 4 . £	11-44-			want to NIM	2CD ==		n d
regulations al	Ty that the I	ntormation gi are required to	ven above erenort an	is true and comp d/or file certain r	iete to ti elease n	ne best of my	knowleage and i	understa ctive act	na tnat purs tions for rele	uant to NIVIC eases which	mav er	uies ai idang	na er
public health	or the envir	onment. The	acceptance	e of a C-141 repo	ort by the	NMOCD m	arked as "Final F	Report"	does not reli	eve the oper	ator of	liabil	lity
				investigate and r									
or the enviror federal, state,				tance of a C-141	report d	oes not reliev	e the operator of	respons	ibility for co	ompliance w	ith any	other	r .
rederal, state,	OI IOCAI IAV	vs and/or regu	nations.				OIL CON	SERV	ATION	DIVISIO	 N		
0	200	$\mathscr{O}$					OIL COIV	ion in	7111011	D1 1 1010			
Signature:	YID I	goese											
Printed Name	: Jeff Peace	2				Approved by	Environmental S	Specialis	:t:				
Title: Field E	nvironment	al Coordinato	r			Approval Dat	e:		Expiration l	Date:			
E-mail Addre	ss: peace.je	ttrey@bp.cor	n			Conditions of	Approval:			Attached			
Date: April 1	6, 2015		Phone: 50	05-326-9479									

<sup>\*</sup> Attach Additional Sheets If Necessary

BP		GG ENGINEER	•	7440	API#: 300	<del>4531891</del>	
CLIENT:	P.O. BOX	87, BLOOMFIE (505) 632-119	•	7413	TANK ID (if applicble):	Α	
FIELD REPORT:	(circle one): BGT CONFIF	RMATION RELEASE INVEST	IGATION / OTHER	₹:	PAGE#:	1 of'	1
SITE INFORMATION	I: SITE NAME: L	ORRAINE GC #	1M		DATE STARTED:	12/11/12	2
QUAD/UNIT: K SEC: 26 TWP:	30N RNG: 8V	V PM: NM CN	ry: <b>SJ</b> s	ST: NM	DATE FINISHED:		
					ENVIRONMENTAL SPECIALIST(S)	N.IV	
	(						
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i '				_			
	1						
	_			 MAI VOIG: 418.1/8	8015B/8021B/30	ngg)	m)
,							
		AD   SIELT SAIND   SIELT SI	LIT CLAT / CLAT	/ GRAVEL / OTI	nek		
		COHESIVE PLASTICITY	(CLAYS): NON PLASTIC /	/ SLIGHTLY PLASTIC / C	COHESIVE / MEDIUM PLASTIC	/ HIGHLY PLASTIC	
		,	(COHESIVE CLAYS	S & SILTS): SOFT	/ FIRM / STIFF / VERY	STIFF / HARD	
		URATED HC ODC	R DETECTED: Y	ES NO EXPL	ANATION		
		- <u></u>	<del></del>				
<u> </u>							
·	BSERVED AND/OR OCCU	JRRED: YES NO EXPL	Anation :				
ADDITIONAL COMMENTS.							
					•		
				NMOC	D TPH CLOSURE STD:	100 ppm	.1 
SITE SKETCH		PLOT F	PLAN circle:	attached 0VM	CALIB. READ. = NA	·ppm   RF = 0	0.52
				N   IIME	: <b>NA</b> am/pm D	ate: <u>Na</u>	_
	PROD.			'	MISCELL.	NOTES	i
	TANK	B	ERM	<u> </u>		67	
FIELD REPORT: (pirtle onl) (SITCOMPRIMITION) RELEASE INVESTIGATION / OTHER  SITE INFORMATION: STEMALE LORRAINE GC #1M  OUADUMIN K 970, 26 may 30N rans 8W pm MM only SJ ST NM  144 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  144 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  144 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  145 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  146 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  147 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  148 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  149 - 146FOOTAGE 2,4155 / 1,880 W. NE/SW LEASE THE FEEL INDIAN  159 - 159							
_	RG // A						—
		)					
COMPRESSOR ──→	$\wedge$			Tan	nk OVM = Organic	Vapor Meter	
ζ		<b>Y</b> /	•	15			
	✓ <b>/</b> ←	— SEPARATOR	V (		·		
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATI	ON DEPRESSION; B.G. = BELOW G	RADE; B = BELOW, T.H. = TEST HOL			BGT Sidewalls Visil		
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BE	OW-GRADE TANK LOCATION; SPE	= SAMPLE POINT DESIGNATION; R	W. = RETAINING WALL;		<u>lagnetic declinati</u>	on: <b>10°</b> E	
TDAVEL NOTEO	E ANUTE DAA - DOODEE ANUTE OD -						

revised: 08/01/12

BEI1005E-5.SKF

#### **Analytical Report**

Lab Order 1212751

Date Reported: 12/31/2012

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Blagg Engineering

Project: Lorraine GC #1M

1212751-001 Lab ID:

Matrix: SOIL

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

Collection Date: 12/11/2012 12:10:00 PM Received Date: 12/18/2012 9:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS		1		Analyst: <b>MMD</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/21/2012 12:24:12 AM
Surr: DNOP	86.1	72.4-120	%REC	1	12/21/2012 12:24:12 AM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/20/2012 1:44:30 AM
Surr: BFB	93.2	84-116	%REC	1	12/20/2012 1:44:30 AM
EPA METHOD 8021B: VOLATILES					Analyst: <b>NSB</b>
Benzene	ND	0.048	mg/Kg	1	12/20/2012 1:44:30 AM
Toluene	ND	0.048	mg/Kg	1	12/20/2012 1:44:30 AM
Ethylbenzene	ND	0.048	mg/Kg <sup>-</sup>	1	12/20/2012 1:44:30 AM
Xylenes, Total	ND	0.095	mg/Kg	1	12/20/2012 1:44:30 AM
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	12/20/2012 1:44:30 AM
EPA METHOD 300.0: ANIONS					Analyst: <b>JRR</b>
Chloride	39	15	mg/Kg	10	12/27/2012 11:10:06 AM
EPA METHOD 418.1: TPH					Analyst: <b>LRW</b>
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1 '	12/20/2012 12:00:00 PM

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits

### **OC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#:

1212751

31-Dec-12

Client:

Blagg Engineering

Project:

Lorraine GC #1M

Sample ID: MB-5456

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 5456

RunNo: 7748

Prep Date: 12/27/2012 Analysis Date: 12/27/2012

1.5

SeqNo: 225121

Units: mg/Kg

Analyte

Result **PQL** 

HighLimit

**RPDLimit** 

Qual

Chloride

ND

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID:

Sample ID: LCS-5456

Prep Date: 12/27/2012

LCSS

Batch ID: 5456

RunNo: 7748

Units: mg/Kg

Analyte

Analysis Date: 12/27/2012 **PQL** 

SeqNo: 225122

Qual

Chloride

Result 14

1.5 15.00

SPK value SPK Ref Val %REC 0 93.9

SPK value SPK Ref Val %REC LowLimit

LowLimit

HighLimit 110

**RPDLimit** 

Sample ID: 1212752-001BMS

SampType: MS

TestCode: EPA Method 300.0: Anions

RunNo: 7748

Units: mg/Kg

Analyte

Prep Date: 12/27/2012

Client ID: BatchQC

Batch ID: 5456

Result

Result

Analysis Date: 12/27/2012

SeqNo: 225125 SPK value SPK Ref Val

39.15

39.15

%REC

HighLimit LowLimit 117

%RPD **RPDLimit** 

%RPD

%RPD

Qual

Qual

Chloride

**PQL** 52 7.5

POL

7.5

TestCode: EPA Method 300.0: Anions

Client ID: Prep Date:

Sample ID: 1212752-001BMSD BatchQC

SampType: MSD Batch ID: 5456

15.00

15.00

SPK value SPK Ref Val

RunNo: 7748 SeqNo: 225126

Units: mg/Kg

**RPDLimit** 

Analyte Chloride

12/27/2012

Analysis Date: 12/27/2012

%REC 77.8

LowLimit 64.4

HighLimit 117 %RPD 1.73

20

Qualifiers:

Value exceeds Maximum Contaminant Level.

Ε Value above quantitation range

Analyte detected below quantitation limits

Sample pH greater than 2

Analyte detected in the associated Method Blank В

H Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Not Detected at the Reporting Limit ND

Page 2 of 6

### **OC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1212751

31-Dec-12

Client:

Blagg Engineering

Project:

Analyte

Lorraine GC #1M

Sample ID: MB-5384

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID: PBS

Batch ID: 5384

**PQL** 

20

RunNo: 7631

Prep Date: 12/20/2012

Analysis Date: 12/20/2012

SeqNo: 221685

Units: mg/Kg

Qual

Petroleum Hydrocarbons, TR

Result

Result

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** 

ND

TestCode: EPA Method 418.1: TPH

Sample ID: LCS-5384

Client ID: LCSS

SampType: LCS Batch ID: 5384

RunNo: 7631

Units: mg/Kg

Analyte

Prep Date: 12/20/2012

Analysis Date: 12/20/2012 **PQL** 

SPK value SPK Ref Val

HighLimit LowLimit

%REC 94.7

80

**RPDLimit** 

SampType: LCSD

Batch ID: 5384

100.0 0

SeqNo: 221686

%RPD 120

Qual

Petroleum Hydrocarbons, TR 95 20

TestCode: EPA Method 418.1: TPH

RunNo: 7631

Units: mg/Kg

120

Analyte

Prep Date: 12/20/2012

Analysis Date: 12/20/2012

SeqNo: 221687 %REC

LowLimit

%RPD

**RPDLimit** 

Qual

Petroleum Hydrocarbons, TR

Sample ID: LCSD-5384

Client ID: LCSS02

Result 97

SPK value SPK Ref Val 20

100.0

0

97.4

80

HighLimit

2.73

20

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH greater than 2

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit RPD outside accepted recovery limits Page 3 of 6

# **OC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#:

**RPDLimit** 

**RPDLimit** 

1212751

31-Dec-12

Qual

Qual

S

Qual

Client:

Blagg Engineering

Project:

Lorraine GC #1M

Sample ID:	MB-5349
Oli - ot ID:	BB6

SampType: MBLK

TestCode: EPA Method 8015B: Diesel Range Organics

Client ID:

Batch ID: 5349

RunNo: 7616

Prep Date: 12/19/2012

Analysis Date: 12/20/2012

SeaNo: 222041

Analyte

Result **PQL** 

Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit Diesel Range Organics (DRO) ND 10

8.4

84.0 72.4 120

Sample ID: LCS-5349 Client ID: LCSS

Surr: DNOP

SampType: LCS Batch ID: 5349

RunNo: 7616

TestCode: EPA Method 8015B: Diesel Range Organics

%RPD

%RPD

Prep Date: 12/19/2012

Analysis Date: 12/20/2012

SeqNo: 222042

0

HighLimit

Units: mg/Kg

122

120

Result SPK value SPK Ref Val %REC LowLimit HighLimit Analyte 86.3 Diesel Range Organics (DRO) 43 10 50.00 47.4 Surr: DNOP 3.8 5.000 75.4 72.4

10.00

Sample ID: 1212667-007AMS

BatchQC

Sample ID: 1212667-007AMSD

**BatchQC** 

SampType: MS

TestCode: EPA Method 8015B: Diesel Range Organics

Result

Result

46

Batch ID: 5349

RunNo: 7616

%REC

90.4

70.9

148

120

Prep Date: 12/19/2012

Analysis Date: 12/20/2012

PQL

10

SeqNo: 222043

Units: mg/Kg

HighLimit %RPD **RPDLimit** Qual

Analyte Diesel Range Organics (DRO) Surr: DNOP

Client ID:

3.6 5.128 SampType: MSD

TestCode: EPA Method 8015B: Diesel Range Organics

RunNo: 7616

%REC

LowLimit

LowLimit

12.6

72.4

Prep Date:

Client ID:

12/19/2012

Batch ID: 5349 Analysis Date: 12/20/2012

SeqNo: 222044

Units: mg/Kg HighLimit

Analyte Diesel Range Organics (DRO) Surr: DNOP

45 10 3.6 5.144

SPK value SPK Ref Val **PQL** 51.44

SPK value SPK Ref Val

51.28

88.0 70.1

12.6 72.4 148 120

%RPD

2.31 0

22.5 S 0

**RPDLimit** 

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits

Sample pH greater than 2

Analyte detected in the associated Method Blank В

Н Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Not Detected at the Reporting Limit

Page 4 of 6

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1212751

31-Dec-12

Client:

Blagg Engineering

66	GC #1M								
Sample ID: MB-5330	SampType	MBLK	Tes	tCode: <b>EF</b>	PA Method	8015B: Gaso	line Rang	e	
Client ID: PBS	Batch ID:	5330	F	RunNo: <b>7</b>	599				
Prep Date: 12/18/2012	Analysis Date:	12/20/2012	5	SeqNo: 2	21175	Units: mg/K	(g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0		•					
Surr: BFB	930	1000	E. W. 11	92.7	84	116			
Sample ID: LCS-5330 SampType: LCS TestCode: EPA Method 8015B: Gasoline Range									
Client ID: LCSS	Batch ID:	5330	F	RunNo: 7	599				
Prep Date: 12/18/2012	Analysis Date:	12/20/2012	5	SeqNo: 22	21176	Units: mg/K	(g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0 25.00	0	84.7	74	117			
Surr: BFB	950	1000		94.8	84	116			
Sample ID: 1212752-001AMS	SampType:	MS	Tes	tCode: <b>EF</b>	A Method	8015B: Gaso	line Rang	e	
Client ID: BatchQC	Batch ID:	5330	F	RunNo: <b>7</b> 5	599				
Prep Date: 12/18/2012	Analysis Date:	12/20/2012	\$	SeqNo: 22	21179	Units: mg/K	g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.6 23.21	0	98.1	70	130			
Surr: BFB	900	928.5		96.7	84	116			
Sample ID: <b>1212752-001AMS</b>	D SampType:	MSD	Tes	tCode: <b>EF</b>	A Method	8015B: Gaso	line Rang	e	
Client ID: BatchQC	Batch ID:	5330	. F	RunNo: <b>75</b>	599				
Prep Date: 12/18/2012	Analysis Date:	12/20/2012	S	SeqNo: 22	21180	Units: mg/K	g		
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.6 23.23	0	97.3	70	130	0.726	22.1	
Surr: BFB	900	929.4		96.5	84	116	0	0	

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Page 5 of 6

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1212751

31-Dec-12

Client: Blagg Engineering
Project: Lorraine GC #1M

Sample ID: MB-5330 SampType: MBLK				Tes						
Client ID: PBS	Batch	h ID: <b>53</b> :	30	, F	RunNo: <b>7</b>	599				
Prep Date: 12/18/2012	Analysis D	Date: 12	2/20/2012	SeqNo: <b>221204</b>			Units: mg/K	g .		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID: LCS-5330	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles				
Client ID: LCSS	Batc	h ID: <b>53</b> :	30	F	RunNo: <b>7</b> :							
Prep Date: 12/18/2012	Date: 12/18/2012 Analysis Date: 12/20/2012		5	SeqNo: 2	21205	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.050	1.000	0	103	76.3	117					
Toluene	1.0	0.050	1.000	0	102	80	120					
Ethylbenzene	1.0	0.050	1.000	0	103	77 <sup>°</sup>	116					
Xylenes, Total	3.1	0.10	3.000	0	102	76.7	117					
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120					

Sample ID: 1212751-001AM	<b>S</b> Samp	SampType: MS			TestCode: EPA Method 8021B: Volatiles									
Client ID: 5PC-TB@6' (95)	Batc	h ID: <b>53</b>	30	F										
Prep Date: 12/18/2012	Analysis [	Analysis Date: 12/20/2012			SeqNo: 2	21207	Units: mg/K	(g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	0.91	0.047	0.9497	0	96.3	67.2	113							
Toluene	0.92	0.047	0.9497	0	97.3	62.1	116							
Ethylbenzene	0.94	0.047	0.9497	0	98.5	67.9	127							
Xylenes, Total	2.8	0.095	2.849	0	98.1	60.6	134							
Surr: 4-Bromofluorobenzene	1.0		0.9497		107	80	120							

Sample ID: 1212751-001AM	TestCode: EPA Method 8021B: Volatiles									
Client ID: 5PC-TB@6' (95) Batch ID: 5330				F	RunNo: <b>7</b>	599				
Prep Date: 12/18/2012	Analysis D	ate: 12	2/20/2012	9	SeqNo: 2	21208	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.047	0.9488	0	95.5	67.2	113	0.913	14.3	
Toluene	0.89	0.047	0.9488	0	94.2	62.1	116	3.32	15.9	
Ethylbenzene	0.92	0.047	0.9488	0	96.6	67.9	127	2.03	14.4	
Xylenes, Total	2.7	0.095	2.846	0	95.5	60.6	134	2.78	12.6	
Surr: 4-Bromofluorobenzene	1.0		0.9488		107	80	120	0	0	

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

# Sample Log-In Check List

Clie	nt Name:	BLAGG		Work Order Nun	nber: 121	2751	
Rec	eived by/da		13/18/12				
Log	ged By:	Ashley Gallegos	12/18/2012 9:55:00 <i>/</i>	AM	A		
Con	npleted By:	Ashley Gallegos	12/18/2012 11:49:19	AM	A		
Rev	iewed By:	IO	12/18/2017				
<u>Cha</u>	in of Cust	tody .	7 / 50 €				
1.	Were seals	intact?		Yes 🗌 No	o 🗌 🛮 ı	Not Present 🗹	
2.	Is Chain of 0	Custody complete?		Yes 🗹 No	o 🗆 🛚 1	Not Present 🗌	
3.	How was the	e sample delivered?		Courier			
Log	<u>In</u>			•			
4.	Coolers are	present? (see 19. fo	r cooler specific information)	Yes 🗹 No	<b>□</b>	NA $\square$	
5.	Was an atte	mpt made to cool th	e samples?	Yes 🗹 No		na 🗆	
6.	Were all san	nples received at a t	emperature of >0° C to 6.0°C	Yes 🗹 No	<b>□</b>	NA 🗀	
7.	Sample(s) in	n proper container(s)	?	Yes 🗹 No	<b></b>	•	
8.	Sufficient sa	mple volume for indi	cated test(s)?	Yes 🗹 No	<b>.</b> 🗆		
9.	Are samples	(except VOA and C	NG) properly preserved?	Yes 🗹 No	<b> </b>		
10.	Was preserv	ative added to bottle	es?	Yes 🗌 No	✓	NA 🗆	
11.	VOA vials ha	ave zero headspace	?	Yes 🗌 No	o 🗆 No	o VOA Vials 🗹	
12.	Were any sa	imple containers rec	eived broken?	Yes 🗆 No	· 🗹		
		vork match bottle lab pancies on chain of		Yes 🗹 No	o 🗌	# of preserved bottles checked for pH:	
14.	Are matrices	correctly identified	on Chain of Custody?	Yes 🗹 No	<b>□</b>		12 unless noted)
15.	Is it clear wh	at analyses were re	quested?	Yes 🗹 No		Adjusted?	
		ding times able to be customer for authori		Yes 🗹 No	<b>□</b>	Checked by:	
Spec	cial Handl	ing (if applicab	<u>le)</u>				
17.	Was client n	otified of all discrepa	nncies with this order?	Yes 🗌 No		NA 🗹	
	Person	Notified:	Date:		1 = 2 - , , , , , 1   1   1   1   1   1   1   1		
	By Who	om:	Via:	eMail 🔲 F	Phone 🔲	Fax In Person	
	Regard	ing:					
	Client I	nstructions:					
18.	Additional re	marks:		•			
10	Cooley Info	rmation					
19.	Cooler Infor Cooler No		dition   Seal Intact   Seal No   Yes	Seal Date	Signed I	Ву	

Client: BLAGG ENGR. / BP AMERICA    Standard   Rush   Project Name:   LORRAINE GC # 1M   APOLITICAL COMMENTAL ANALYSIS LABORATORY   Www.hallenvironmental.com   A901 Hawkins NF - Albuquerque, MM 87109   Tel. 505-345-3975   Fax 505-345-4107   Fax 505-345-3975   Fax 505-345-3107   Fax 505-345-3975   Fax 505-345-3107   Fax 505-345-3975	Chain-of-Custody Record				lurn-Around lime:						L	T W		=	nit.	)TE	<i>) (</i> ")	BAU T	AE	: RIT	'A I	ı	
Mailling Address: P.O. BOX 87  BLOOMFIELD, NM 87413  Project #:  Project Manager:  CACC Package:  Standard  CACC Package:  Other  Date  Time  Matrix  Sample Request ID  Container Type  Type  Type  Type  Type  Date  Time  Matrix  Sample Request ID  Specified (95)  Accordination:  Type  Date  Time  Matrix  Sample Request ID  Container Type  Type  Type  Type  Date  Time  Matrix  Sample Request ID  Container Type	Client: BLAGG ENGR. / BP AMERICA																						
Project #:   Tel. 505-345-3975   Fax 505-345-4107					Project Name	:				2002		ww	w.ha	allen	viro	nme	ntal	.con	า				
Phone #: (505) 632-1199 email or Fax#:  Project Manager:  QAICC Peackage:  Standard  Lovel 4 (Full Validation)  NELSON VELEZ  Sampler: NELSON VELEZ  Distance of the poulpation of the poulpatio	Mailing A	ddress:	P.O. BO	X 87	LC	RRAINE GO	# 1M		49	01 F	lawk	ins	NE -	- Alk	ouqu	ierqu	ue, N	M 8	3710	9			
Email or Fax#:  CA/CC Package:  Standard  Accreditation:  □ NELAP  □ Other  □ EDD (Type)  Date  Time  Matrix  Sample Request ID  Container  Type and #  Type and			BLOOM	FIELD, NM 87413	Project #:																		
NELSON VELEZ  Standard  □ Level 4 (Full Validation)  Accreditation: □ NELSON VELEZ □ On-Fig. □ Other □ Other □ Other □ On-Fig. □ NELSON VELEZ □ On-Fig. □ Other □ Other □ On-Fig. □ On-Fig. □ Other □ On-Fig. □ Other □ On-Fig. □ Other □ On-Fig. □ On-Fig. □ Other □ On-Fig. □ On-Fig. □ Other □ On-Fig. □ Other □ On-Fig. □ On-Fig. □ Other □ On-Fig. □ O								100		4 5 40		A.	× 1	Anal	ysis	Rec	ļues	ť					2.00
Date   Time   Relinquished by:   Time:   Relinquished by:   Received by:   Date   Time   Relinquished by:   ZVEHOLBGTZ	email or Fax#:				Project Manag	ger:			ľ						₹								
12/11/12   1210   SOIL   SPC-TB @ 6' (95)   4 oz 2   Cool   - CO/   V   V   V   V   V   V   V   V   V					NELSON V	ELEZ	)21B)	only)	/Diesel						CB's						<b>61</b>		
12/11/12   1210   SOIL   SPC-TB @ 6' (95)   4 oz 2   Cool   - CO/   V   V   V   V   V   V   V   V   V	Accreditat	tion:			Sampler:	NELSON VI	ELEZ 925	- <del> </del>	(Gas	(Gas,		_			102,	82 P(						du	
12/11/12   1210   SOIL   SPC-TB @ 6' (95)   4 oz 2   Cool   - CO/   V   V   V   V   V   V   V   V   V	□ NELAP □ Other			On ice:	<b>V</b> ∕Yes-	□ No	] ∄	표	15B	8.1)	4.1)	(H)		3, 7	/ 80		~			ŀ	e sa	Ž	
12/11/12   1210   SOIL   SPC-TB @ 6' (95)   4 oz 2   Cool   - CO/   V   V   V   V   V   V   V   V   V		Гуре)			Sample Temp	erature: /		1	H H H	8	d 41	d 50	r PA	als	, N	des		ΛΟV	0.0)		.   <u>ه</u>	osit 	2
12/11/12   1210   SOIL   SPC-TB @ 6' (95)   4 oz 2   Cool   -OO/   V   V   V   V   V   V   V   V   V	Date	Time	Matrix	Sample Request ID		1		BTEX ++MHTB	BTEX + MTB	TPH Methoc	TPH (Metho	EDB (Metho	8310 (PNA o	RCRA 8 Met	Anions (F, Cl	8081 Pestici	8260B (VOA	8270 (Semi-	Chloride (30	1	Grab samp	5 pt. comp	ō
Date: Time: Relinquished by:    April   12/n/12   1437   1437     1437	12/11/12	1210	SOIL	5PC-TB @ 6' (95)	4 oz 2	Cool					_								_		$\neg$		-
Date: Time: Relinquished by:    April   12/n/12   1437   1437     1437					-																T		•
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Date: Time: Relinquished by:    April   12/n/12   1437   1437     1437																				$\Box$	$\top$		•
Date: Time: Relinquished by: Received by: Date Time Work Order: N15558567 Paykey: ZVEHOLBGT2	/ /	Time:	Relinquish	ed by:	Received by:			Rer	nark	s:	TPI	1 (80	015	B) - 1	GRC	8 (	ORO	ON	LY.				•
Date: Time: Relinquished by: Received by: Date Time Work Order: N15558567 Paykey: ZVEHOLBGT2	2/17/12	1437	196	Mar VI	Muster	Jast	19/11/12 1437	i e e e e e e e e e e e e e e e e e e e															
17/12 1724 1 Anistry 12 Cellant 12 19/18/12 19955 Work Urder: NISSS8567 Paykey: ZVEHOEBG12		Time:	Relinquish	ed by:	Received by: Date Time Jen Feace, 200 Energy Court, Farmington, NW 874							ioi na											
If necessary samples submitted to Hall Environmental may be subcontracted in other accordited laboratories. This serves as notice of this nessibility. Any sub-contracted data will be clearly notated on the analytical report.	77/12	<del></del>	Thre	oter Waller		110		Ţ									•						_



