District¹ 1625 N. French Dr., Hobbs, NM 88240 District¹ 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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.

094		ed-Loop System. ative Method Per			ication	
121.	Modificat	f a pit, closed-loop syste ion to an existing permitian only submitted for an	m, below-grade tank t	, or proposed a	alternative method	
Instru	ictions Please submit one application		lual pit. closed-loop svs	stem, below-ora	de tank or alternati	ve request
Please be advised	d that approval of this request does not re or does approval relieve the operator of it	lieve the operator of liability	should operations result	in pollution of s	urface water, ground	water or the
Operator: BP	AMERICA PRODUCTION COM	IPANY	OGRID # <u>7</u>	78		
Address. 200	Energy Court, Farmington, NM					
Facility or wel	I name GALLEGOS CANYON U	NIT 159E				
API Number:	3004525717	OCD	Permit Number:			
U/L or Qtr/Qtr	3004525717 LSection 31.0	Township 28.0N	Range 12W	County Sa	n Juan County	
Center of Prop	osed Design Latitude 36.61677	Long	gitude -108.15794		NAD. 🗍 I	927 🗙 1983
Surface Owner	r 🗔 Federal 🔲 State 🔲 Private 💢 T	rıbal Trust or Indian Allotn	ient			
2					ONS. DIV DIS	r . 3
<u>Pit</u> Subs	ection F or G of 19 15 17.11 NMAC					
] Drilling 🔲 Workover				MAY 1 4 2014	
	Emergency Cavitation P&			,		
	Unlined Liner type Thickness	mil 🔲 LLDPE 🗌	HDPE PVC 0	ther		
String-Rein						i
Liner Seams:	Welded Factory Other	\ \ \ \ \ \ \ \	/olume:bb	Dimensions	Lx W	_ x D
3	<u> </u>					······································
	p System Subsection H of 19.15 17 non P&A Drilling a new well		Applies to activities wh	uch require prio	v approval of a perm	ut or police of
intent)			Applies to activities wi	nen require prio	approval of a perio	in or notice of
	Above Ground Steel Tanks					
	nlined Liner type. Thickness	mil 🔲 LLDPE	HDPE PVC] Other	·	
Liner Seams: [Welded Factory Other					
4						
Elow-grad						
Volume: <u>95.0</u>		Produced Water				
	tion material. Steel					
	containment with leak detection	/isible sidewalls, liner, 6-in	ich lift and automatic of	verflow shut-of:		
	cwalls and liner 🗌 Visible sidewalls					
Liner type: Th	icknessmil		ier			
5		<u></u>				
Alternative	- r					
Submittal of an	exception request is required. Exception	ions must be submitted to	ine Santa Fe Environme	ental Bureau off	ice for consideration	i or 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, hospital, institution or church)

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

Alternate. Please specify <u>4' Hogwire with single barbed wire</u>

Netting Subsection E of 19.15 17 11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other_

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Monthly inspections (If netting or screening is not physically feasible)

Signs Subsection C of 19 15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15 16.8 NMAC

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 office for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10 <u>Siting Criteria (regarding permitting)</u> 19.15.17.10 NMAC

Instructions The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accel material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	opriate district approval.
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 	Ø Yes ⊠ No □ NA
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) Visual inspection (certification) of the proposed site, Aerial photo, Satellite image 	Yes No
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.	🖸 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 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 15.17.12 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
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)
13 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 Situng 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 11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of 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 Burcau for consideration)
 ¹⁵ 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 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only (19 15 17.13) Instructions. Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if facilities are required.								
Disposal Facility Name Disposal Facility Permit Number								
Disposal Facility Name [*] Disposal Facility Permit Number.								
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future service and operations? 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								
¹⁷ <u>Siting Criteria (regarding on-site closure methods only)</u> . 19.15 17.10 NMAC <i>Instructions Each siting criteria requires a demonstration of compliance in the closure plan Recommendations of acceptable source material are</i> <i>provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be</i> <i>considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or</i> <i>demonstrations of equivalency are required. Please refer to 19 15 17.10 NMAC for guidance.</i>								
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	□ Yes □ No □ NA							
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	🗌 Yes 🗌 No							
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	🗌 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							
18 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 11 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

Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

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 1 of 19.15.17.13 NMAC

Site Reclamation 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	e, accurate and complete to the best of my knowledge and belief.
Name (Print) Jeffrey Peace	Title Field Environmental Advisor
And alle a	Date: 6/8/10
Signature	Date: 0/ 0/10
e-mail address. Peace.Jettery@bpteom	Telephone:505-326-9479
20 OCD Approval Permit Application (including closure plan A-Cl	osure ²⁴ an-(only) OCD gonditions (see attachment)
OCD Representative Signature	Someth guille 5730/2014 Someth guille Approval Date: 3/200/11 Compliance Offices
	Compliance Officer
Title _ the manual state	OCD Permit Number
	n prior to implementing any closure activities and submitting the closure re lays of the completion of the closure activities. Please do not complete this
22	
Closure Method Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain.	Alternative Closure Method 🗌 Waste Removal (Closed-loop systems on
23 Closure Report Regarding Waste Removal Closure For Closed-loop S Instructions: Please indentify the facilities for where the low	Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only Ids, drilling fluids and drill cuttings were disposed. Use attachment if more
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	
Yes (If yes, please demonstrate compliance to the items below)	
Required for impacted areas which will not be used for future service and	No
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation)	No
Required for impacted areas which will not be used for future service and	No
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	No Poperations
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	No Poperations
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Closure Report Attachment Checklist: Instructions: Each of the follow mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division)	No Poperations
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Closure Report Attachment Checklist: Instructions: Each of the follow mark in the box, that the documents are attached.	No Poperations
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist Instructions: Each of the folice mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) X Confirmation Sampling Analytical Results (if applicable)	No <i>I operations</i> <i>nowing items must be attached to the closure report. Please indicate, by a ch</i>
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist: Instructions: Each of the follow mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure)	No <i>I operations</i> <i>nowing items must be attached to the closure report. Please indicate, by a ch</i>
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Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist: Instructions: Each of the folice mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	No <i>I operations</i> <i>nowing items must be attached to the closure report. Please indicate, by a ch</i>
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Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist: Instructions: Each of the folic mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) X 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 36.61677	No <i>Poperations</i> <i>pwing items must be attached to the closure report. Please indicate, by a cho</i> losure) Longitude <u>-108.15794</u> NAD [1927] 1983
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist: Instructions: Each of the folic mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) X Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number X Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique X Site Reclamation (Photo Documentation) On-site Closure Location: Latitude 36.616777 25 Operator Closure Certification. I hereby certify that the information and attachments submitted with this colsure	No <i>Poperations</i> <i>pwing items must be attached to the closure report. Please indicate, by a cho</i> losure) Longitude <u>-108.15794</u> NAD [1927] 1983 Hosure report is true, accurate and complete to the best of my knowledge and
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist: Instructions: Each of the folic mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) 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 36.61677 25 Operator Closure Certification. I hereby certify that the information and attachments submitted with this closure belief.	No <i>l'operations</i> <i>nowing items must be attached to the closure report. Please indicate, by a cha</i> <i>losure</i>) <i>Longitude</i> <u>–108.15794</u> NAD [1927] 1983 <i>losure report is true, accurate and complete to the best of my knowledge and</i> <i>requirements and conditions specified in the approved closure plan</i>
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Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 24 Closure Report Attachment Checklist: Instructions: Each of the folic mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) X Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number X Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique X Stie Reclamation (Photo Documentation) On-site Closure Location: Latitude 36.616777 25 Operator Closure Certification. I hereby certify that the information and attachments submitted with this colsure	No <i>Poperations</i> <i>pwing items must be attached to the closure report. Please indicate, by a che</i> losure) Longitude <u>-108.15794</u> NAD [1927] 1983 Hosure report is true, accurate and complete to the best of my knowledge and

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BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

<u>Gallegos Canyon Unit 159E</u> <u>API No. 3004525717</u> <u>Unit Letter L, Section 31, T28N, R12W</u>

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

- 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 notice requirements. Closure notices will be made for all BGT closures from this point forward.
- 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 notice requirements. Closure notices will be made for all BGT closures from this point forward.

- 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.

- 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	12

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.
- 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 has been reclaimed with the rest of the site since the well has been plugged and abandoned.

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

The area over the BGT has been reclaimed since the well has been plugged and abandoned.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area over the BGT has been reclaimed since the well has been plugged and abandoned.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area over the BGT has been reclaimed since the well has been plugged and abandoned.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

BP has seeded the area as part of final reclamation since the well has been plugged and abandoned.

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

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.

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Oil Conservation Division 1220 South St. Francis Dr.

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

1220 S. St. Francis Dr.,	Santa Fe, NM 8750)5			e, NM 875								
Release Notification and Corrective Action													
					OPERA	ГOR		🗂 Initi	al Report	🛛 Final Repo			
Name of Compan	y: BP				Contact: Jeff Peace								
Address: 200 Ene		ington, N	M 87401		Telephone No.: 505-326-9479								
Facility Name: Ga					Facility Type: Natural gas well								
Surface Owner: Tribal Mineral Owner: Federal API No. 3004525717									717				
		ATIO	N OF REI	DF RELEASE									
Unit Letter Secti L 31	on Township 28N	Range 12W	Feet from the 1,850	-	South Line	Feet from the 980	East/V West	West Line	County: S	an Juan			
	Lat	titude3	6.61677		_ Longitud	e108.15794							
			NAT	FURE	OF REL	EASE							
Type of Release: no					Volume of	Release: N/A		Volume I	Recovered: N	N/A			
Source of Release: 1		– 95 bbl				lour of Occurrence	ce:	Date and	Hour of Dis	covery:			
Was Immediate Not]Yes [¯] No 🖾 Not R	eauired	If YES, To	Whom?							
By Whom?				1	Date and H	lour							
Was a Watercourse	Reached?	_				olume Impacting	the Wate	ercourse.					
]Yes 🛛	No										
If a Watercourse wa	s Impacted, Desci	ribe Fully.	k										
Describe Cause of P the BGT. Soil analy Describe Area Affec backfilled and comp	sis resulted in TP ted and Cleanup	PH, BTEX	and chloride belo	ow stands	ards. Analys	sis results are attan	Ched.	-					
I hereby certify that regulations all opera public health or the should their operation or the environment. federal, state, or loca	tors are required to environment. The ns have failed to In addition, NMC	to report ar e acceptanc adequately DCD accep	nd/or file certain r ce of a C-141 repo investigate and r	release no ort by the remediate	otifications and NMOCD mage contamination	nd perform correct arked as "Final R on that pose a thr	ctive acti leport" d reat to gr	ions for rele loes not reli ound water	eases which leve the oper ; surface wa	may endanger ator of liability ter, human health			
						OIL CON	SERV	ATION	DIVISIC)N			
Signature:	fear					<u>~~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>							
Printed Name: Jeff I					Approved by	Environmental S	pecialist	t:					
Title: Area Environr	nental Advisor				Approval Dat	e:		Expiration	Date:				
E-mail Address: pea	ce.jeffrey@bp.co	m		(Conditions of	Approval:			Attached				
Date: May 13, 2014 Attach Additional			5-326-9479					z.					
Affach Additional	NREETS IT NECESS	sarv											

* Attach Additional Sheets If Necessary

CLIENT: BP	NT: BP BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199							
FIELD REPORT:	(circle one): BGT CONFIRMATIC	N RELEASE INVESTIGATION	/ OTHER:	PAGE #:1 of1				
SITE INFORMATION	N: SITE NAME: GCU	# 159E		DATE STARTED: 03/22/11				
QUAD/UNIT: L SEC: 31 TWP:	28N RNG: 12W	PM: NM CNTY: SJ s	т: <u>NM</u>	DATE FINISHED:				
1/4 -1/4/FOOTAGE: NW/SW								
LEASE #: SF078905	PROD. FORMATION: DK	CONTRACTOR: MBF (J	I. WILBORN)	SPECIALIST(S): NJV				
REFERENCE POIN	T: WELL HEAD (W.H.) (GPS COORD.: 36	.61666 X 108.1	5794 GL ELEV.: 5,728				
1) 95 BBL BGT (DW/DB)	GPS COORD.:	<u>36.61677 X 108.1579</u>	94 DISTANCE	E/BEARING FROM W.H.: 115', N65E				
2)	GPS COORD.:		DISTANCE	E/BEARING FROM W.H.:				
3)	GPS COORD.:		DISTANCE	E/BEARING FROM W.H.:				
4)	GPS COORD.:		DISTANCE					
LAB INFORMATION				OVM READIN (ppm)				
1) SAMPLE ID: 5PC-TB@6'	(95) SAMPLE DATE: 03/2	2/11 SAMPLE TIME: 165	5_ LAB ANALYSIS: 418	3.1/8015/8021/300.0 (CI) NA				
2) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:					
3) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:					
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:					
CONSISTENCY (NON COHESIVE SOILS):		SE DENSITY (COHESI	VE CLAYS & SILTS): SO	1C / COHESNE / MEDIUM PLASTIC / HIGHLY PLASTIC DFT / FIRM / STIFF / VERY STIFF / HARD				
CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY <u>SLIGHTLY MOIST</u> MOIST / W SAMPLE TYPE: GRAB <u>COMPOSITE</u> - # DISCOLORATION/STAINING OBSERVED (MEDIUM GRAY). EST. < 1 C.Y. ANY AREAS DISPLAYING WETNESS: YES / NO	OOSE / FIRM/ DENSE / VERY DEN //ET / SATURATED / SUPER SATURATE # OF PTS	SE DENSITY (COHES) D HC ODOR DETEC	VE CLAYS & SILTS): SO					
CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY (SLIGHTLY MOIST) MOIST / W SAMPLE TYPE: GRAB (COMPOSITE)- DISCOLORATION/STAINING OBSERVED (MEDIUM GRAY). EST. < 1 C.Y. ANY AREAS DISPLAYING WETNESS: YES / NO ADDITIONAL COMMENTS: NO EVI EXCAVATION DIMENSIONS (if applicable	DOSE / FIRM/ DENSE / VERY DENSE /ET / SATURATED / SUPER SATURATE # OF PTS.	DENSITY (COHESI DENSITY (COHESI HC ODOR DETEC OM BGT. MA ft. X NA ft NEAREST SURFACE WATH PLOT PLAN SEP. BERM	VE CLAYS & SILTS): SC CTED: YES (NO) EX t. cubic yard: ER: NM circle: attached	DFT / FIRM / STIFF / VERY STIFF / HARD (PLANATION				
CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY (SLIGHTLY MOIST) MOIST / W SAMPLE TYPE: GRAB (COMPOSITE)- DISCOLORATION/STAINING OBSERVED (MEDIUM GRAY). EST. < 1 C.Y. ANY AREAS DISPLAYING WETNESS: YES / NO ADDITIONAL COMMENTS: NO EVI EXCAVATION DIMENSIONS (if applicable DEPTH TO GROUNDWATER: >100' N SITE SKETCH	DOSE / FIRM/ DENSE / VERY DENSE /ET / SATURATED / SUPER SATURATE # OF PTS.	DENSITY (COHESI DENSITY (COHESI HC ODOR DETEC DM BGT. DM BGT. PLOT PLAN SEP. PROD. TANK FENCE B= BELOW, T.H. = TEST HOLE; ~= APPH IPLE POINT DESIGNATION; R.W. = RETA	VE CLAYS & SILTS): SC CTED: YES (NQ E> t. cubic yard: ER:NOO'NN circle: attached (PBGTL .B. ~ 6' B.G. ROX.; INING WALL;	DFT / FIRM / STIFF / VERY STIFF / HARD (PLANATION - s excavated (if applicable): NOCD TPH CLOSURE STD: 1,000 DVM CALIB. READ. = <u>NA</u> ppm RF = DVM CALIB. GAS = <u>NA</u> ppm RF = NA				

CLIENT:	Blagg Engineering			Client Sample ID:	5PC-TB@	6' (95)
Lab Order:	1103970			Collection Date:	3/22/2011	4:55:00 PM
Project:	GCM #159E			Date Received:	3/25/2011	
Lab ID:	1103970-01			Matrix:	SOIL	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE	ORGANICS				Analyst: JB
Diesel Range O	rganics (DRO)	ND	10	mg/Kg	1	4/2/2011 5:10:22 PM
Surr: DNOP		110	81. 8-12 9	%REC	1	4/2/2011 5:10:22 PM
EPA METHOD 8	015B: GASOLINE RANG	3E				Analyst: NSB
Gasoline Range	Organics (GRO)	ND	5.0	mg/Kg	1	3/31/2011 2:13:55 PM
Surr: BFB	· ·	91.8	89.7-125	%REC	1	3/31/2011 2:13:55 PM
EPA METHOD 8	021B: VOLATILES					Analyst: NSB
Benzene		ND	0.050	mg/Kg	1	3/31/2011 2:13:55 PM
Toluene		ND	0.050	mg/Kg	1	3/31/2011 2:13:55 PM
Ethylbenzene		ND	0.050	mg/Kg	1	3/31/2011 2:13:55 PM
Xylenes, Total		ND	0.10	mg/Kg	1	3/31/2011 2:13:55 PM
Surr: 4-Bromo	fluorobenzene	114	85.3-139	%REC	1	3/31/2011 2:13:55 PM
EPA METHOD 3	00.0: ANIONS					Analyst: SRM
Chloride		12	1.5	mg/Kg	1	4/3/2011 5:02:22 PM
EPA METHOD 4	18.1: TPH					Analyst: JB
Petroleum Hydro	carbons, TR	ND	20	mg/Kg	1	3/30/2011

Hall Environmental Analysis Laboratory, Inc.

Date: 05-Apr-11

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Page 1 of 1

С	hain-	of-Cu	istody Record	Turn-Around	Time:	<u></u>																
Client:	BLACE	ENG	2. BP AMERICA	Standard	🗆 Rush															NT NTC		
				Project Name				1 🖢														8
Mailing	Address	P.0	. 80× 87	Ge	N #1	59E			49(D1 H							al.co e Ni		109			
			D. NM 87413	Project #:				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107														
Phone	#· ()	(05)	632-1199					Analýsis Request					1									
email o				Project Mana	der		915					<u></u>										
	Package:		Level 4 (Full Validation)		son VE	LEZ	•	TMB ¹⁹⁻ (8021 B) TMB ¹⁹⁻ (8021 B) TPH (Gas only) 5B (Gas/Diesel) 5.1) 1.1)					04,SO	PCB's			0.		0000	Delinky		
Accred				Sampler: A	Eren	1=1=7			U U U U	<u>S</u>					0 ₂ ,F	82			300		-	.1
		🗆 Othe	er				-	 	HdT -	15B	418.1)	1.1	AH)		3,N(/ 80		Semi-VOA) DRIDE (30 Connerstite Connerstite				
	(Type)			Sample Tem	le Teniperature				ш	801	41	1 50	л Ы	als	NZ	des		0	W		Ì	
Date	Time	Matrix	Sample Request ID		Preservative Type	-HE/	11 No- 11 DO	「「「	BTEX + MTBE	TPH Method	TPH (Method	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORNDE		9	Air Bubbles (Y or N)
3/12/11	1655	SOIL	5PC-TB e6' (95)	402 1	COOL	- ')	V		\checkmark	$\overline{\checkmark}$								$\overline{\mathbf{V}}$		5	1
1 24 11	1000		5/10/000 (10)	1.	<u> </u>		ļ				-								-			-+
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$ \frac{\overline{D}_{ate:}}{3/2-4/11} $ Date: $ \frac{3}{24} 1 $	Time: 1530 Time:	Relinquis	MM/J hed by: Ualters	Received by:	_L.J.celo	Date 3751	Time 11 1530 Time. 1 930	BILL DIRECTLY TO BP. WILL EMAIL WORK ORDER & PRYKEY INFO.				•										
,	If necessary	, samples sui	bmitted to Hall Environmental may be sub	contracted to other a	ccredited laboratori	es. This serve	s as notice of thi	s poss	ibility.	Any si	ир-сол	tracted	d data	will bi	e clear	ly nota	ated or	n the a	inalytic	al repoi	t.	

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QA/QC SUMMARY REPORT

	gg Engineering M #159E								Work	Order:	1103970
Analyte	Result	Units	PQL	SPK Va	a SPK ref	%Rec L	.owLimit H	ighLimit	%RPD	RPDLimi	t Qual
	300.0: Anions										
Sample ID: MB-26223		MBLK				Batch ID:	26223	Analys	sis Date:	4/3/2011	4:51:02 AM
Chloride	ND	mg/Kg	1.5								
Sample ID: LCS-26223		LCS				Batch ID:	26223	•	sis Date:	4/3/2011	5:08:26 AM
Chloride	14.51	mg/Kg	1.5	15	/ 0	96.7	90	110			
Method: EPA Method	418.1: TPH										
Sample ID: MB-26157		MBLK				Batch ID:	26157	Analys	is Date:		3/30/2011
Petroleum Hydrocarbons,	TR ND	mg/Kg	20								
Sample ID: LCS-26157		LCS				Batch ID:	26157	Analys	is Date:		3/30/2011
Petroleum Hydrocarbons,	TR 96.88	mg/Kg	20	100	0	96.9	81.4	118			
Sample ID: LCSD-26153	7	LCSD				Batch ID:	26157	Analys	is Date:		3/30/2011
Petroleum Hydrocarbons,	TR 95.50	mg/Kg	20	100	0	95.5	81.4	118	1.43	8.58	
Method: EPA Method	8015B: Diesel Range	Organica									
Sample ID: MB-26204	oo tob. Dieser Kange	MBLK				Batch ID:	26204	Analys	is Date:	A12120111	2:03:15 PM
Diesel Range Organics (D	DRO) ND		10			Baton 10.	20204	7 widiya	is Date.	4/2/2011	2.00.101 1
Sample ID: LCS-26204		mg/Kg LCS	10			Batch ID:	26204	Analys	is Date:	4/2/2011 1	2:37:23 PM
	(RO) 49.03		10	50	0	98.1		-	a Date.	4/2/2011 1	2.07.20110
Diesel Range Organics (D Sample ID: LCSD-26204		mg/Kg LCSD	10	50	0	Batch ID:	66.2 26204	120 Analys	is Date:	1/2/2011	1:11:35 PM
Diesel Range Organics (D			10	50	0	103	66.2	120	5,28		1.11.00 FW
Dieser Range Organics (D	31.00	mg/Kg	10			105		120	5,20	14.3	
	8015B: Gasoline Rar	•									
Sample ID: MB-26167		MBLK				Batch ID:	26167	Analys	is Date:	3/31/2011	7:32:11 PM
Gasoline Range Organics	(GRO) ND	mg/Kg	5.0								
Sample ID: LCS-26167		LCS			•	Batch ID:	26167	Analys	is Date:	3/31/2011	5:36:26 PM
Gasoline Range Organics	(GRO) 30.24	mg/Kg	5.0	25	0	121	88.8	124			<u> </u>
Method: EPA Method	8021B: Volatiles										
Sample ID: MB-26167		MBLK				Batch ID:	26167	Analys	s Date:	3/31/2011	7:32:11 PM
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: LCS-26167		LCS				Batch ID:	26167	Analys	s Date:	3/31/2011	7:03:16 PM
Benzene	0.8713	mg/Kg	0.050	1	0.0169	85.4	83.3	107			
Toluene	1.022	mg/Kg	0.050		0.0052	102	74.3	115			
Ethylbenzene	1.070	mg/Kg	0.050		0.0071	106	80.9	122			
Xylenes, Total	3.229	mg/Kg	0.10	3	0	108	85.2	123			

Qualifiers:

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

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Sample	Receipt Ch	ecklist		
Client Name BLAGG		Date Receive	ed:	3/25/2011
Work Order Number 1103970		Received by	y: LNM	NON-
Checklist completed by: Signature	. Date	Sample ID I	abels checked by:	Initials
Matrix: Carrier name:	Greyhound			
Shipping container/cooler in good condition?	Yes 🖌	No	Not Present	
Custody seals intact on shipping container/cooler?	Yes 🖌	No i	Not Present	Not Shipped
Custody seals intact on sample bottles?	Yes	No	N/A 🗸	
Chain of custody present?	Yes 🖌	No		
Chain of custody signed when relinquished and received?	Yes 🗸	No ¹		
Chain of custody agrees with sample labels?	Yes 🗸	No -		
Samples in proper container/bottle?	Yes 🗸	No		
Sample containers intact?	Yes 🗸	No		
Sufficient sample volume for indicated test?	Yes 🗸	No		
All samples received within holding time?	Yes 🗸	No		Number of preserved
Water - VOA vials have zero headspace? No VOA vials subm	itted 🔽	Yes	No	bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes	No	N/A 🔽	
Water - pH acceptable upon receipt?	Yes	No	N/A 🗸	<2 >12 unless noted
Container/Temp Blank temperature?	8.5°"	<6° C Acceptab	le	below.
COMMENTS:		If given sufficien	t time to cool.	

Date contacted:

Person contacted

.

Client contacted Contacted by:

Regarding:

Comments:

Corrective Action



