

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

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

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Plains Marketing, L.P.	Contact:	Daniel Bryant
Address:	P.O. Box 3119 – Midland, TX 79702	Telephone No.	(432) 686-1769
Facility Name	Livingston Ridge Station	Facility Type:	Trucking – Tank Battery
Surface Owner:	Plains	Mineral Owner	Lease No. 30-025-31403

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	6	22S	32E					Lea

Latitude 32.42638890 degrees Longitude 103.72222220 degrees

NATURE OF RELEASE

Type of Release:	Crude Oil	Volume of Release:	82 bbls	Volume Recovered	23 bbls
Source of Release:	Tank	Date and Hour of Occurrence	05/24/2008 17:40	Date and Hour of Discovery	05/24/2008 17:45
Was Immediate Notice Given?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required <input type="checkbox"/>	If YES, To Whom?	Larry Johnson (NMOCD Hobbs District Office)		
By Whom?	Daniel Bryant	Date and Hour	05/24/2008 16:00		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Third party transport driver overfilled the tank at Livingston Ridge Truck Station causing a release of crude oil

Describe Area Affected and Cleanup Action Taken.*
Release impacted an area inside secondary containment measuring approximately 66 feet x 105 feet.
Please reference the *Remediation Summary and Site Closure Request* dated July 2008 for results of remediation activities.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:		OIL CONSERVATION DIVISION	
Printed Name:	Daniel Bryant	 Approved by District Supervisor ENVIRONMENTAL ENGINEER	
Title:	Environmental R/C Specialist	Approval Date:	10.1.08
E-mail Address:	dmbryant@paalp.com	Expiration Date:	—
Date:	7/2/2008	Phone:	(432) 686-1769
		Conditions of Approval:	Attached <input checked="" type="checkbox"/> IRP - 1871

* Attach Additional Sheets If Necessary

Basin Environmental Service Technologies, LLC

2800 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
cstanley@hasinenv.com
Office: (505) 396-2378 Fax: (505) 396-1429



REMEDIATION SUMMARY

AND

SITE CLOSURE REQUEST

PLAINS MARKETING, L.P. (231735)
GulfMark – Livingston Ridge Truck Station Overfill
Lea County, New Mexico
Plains SRS # 2008-136
UNIT D (NW/NW), Section 6, Township 22 South, Range 32 East
Latitude 32.42638890° North, Longitude 103.72222220° West
NMOCD Reference # 1RP-1871

Prepared For:

Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

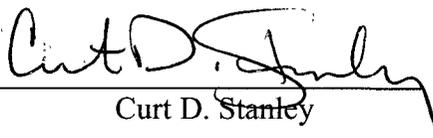
HUBBS ULL

OCT 01 2008

Prepared By:

Basin Environmental Service Technologies, LLC

July 2008


Curt D. Stanley

Basin Environmental Service Technologies, LLC

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INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Plains Marketing, L.P. (Plains), has prepared this Remediation Summary and Site Closure Request for the release site known as GulfMark – Livingston Ridge Truck Station Overfill. The legal description of the release site is Unit Letter D (NW ¼ NW ¼), Section 6, Township 22 South, Range 32 East, in Lea County, New Mexico. The property affected by the release is owned by Plains and is utilized as an active crude oil truck station. The release site GPS coordinates are 32.42638890° North and 103.72222220° West. Please reference Figure 1 for a Site Location Map and Figure 2 for a Site and Sample Location Map. The Release Notification and Corrective Action is included as Appendix B.

On May 24, 2008, Plains reported a release of 82 barrels of crude oil from a storage tank located at the Livingston Ridge Truck Station located approximately 33 miles west of Eunice, New Mexico. Approximately 23 barrels of crude oil were recovered during initial response activities resulting in a net loss of 59 barrels of crude oil. The resulting surface stain attributed to the release measured approximately 75 feet by 117 feet. The release was attributed to the overfilling of the storage tank by a 3rd party transport driver.

NMOCD SITE CLASSIFICATION

According to data obtained from the New Mexico Office of the State Engineer (NMOSE), no water wells are recorded in Section 6 of the above referenced township. The NMOSE database indicates groundwater was encountered at depths exceeding 100 feet below ground surface (bgs) in water wells within the township. This depth to groundwater results in a score of zero (0) being assigned to the site based on the New Mexico Oil Conservation Division (NMOCD) depth to groundwater criteria.

The water well database, maintained by the NMOSE, indicated there are no water wells less than 1000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criteria.

There is no surface water body located within 1,000 feet of the site. Based on the NMOCD ranking system zero (0) points will be assigned to the site as a result of the criteria.

The NMOCD guidelines indicate the GulfMark - Livingston Ridge Truck Overfill release site has a ranking score of zero (0). Based on this score, the soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 5,000 mg/Kg (ppm)

SUMMARY OF RECENT FIELD ACTIVITIES

On May 30 through June 2, 2008, hydrocarbon impacted soil was excavated at the release site. Approximately 770 cubic yards (cy) of impacted soil was stockpiled adjacent to the excavation pending the analytical results of collected stockpile soil samples. The final dimensions of the excavation were approximately 66 feet in width (North to South) and 105 feet in length (West to East) and three (3) feet below ground surface (bgs) in depth.

On June 2, 2008, confirmation soil samples were collected from the excavation sidewalls (South Wall -1, South Wall -2, East Wall -1, North Wall -1, North Wall -2 and West Wall -1) and floor of the excavation (Floor -1 through Floor -5). All soil samples were analyzed for concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) using method EPA 8021b and total petroleum hydrocarbons (TPH) using method SW8015 modified. A summary of the analytical results are included in Table 1, Concentrations of BTEX, TPH and Chlorides in Soil. Laboratory results are included in Appendix A and soil samples locations are depicted on Figure 2, Site and Sample Location Map.

The analytical results indicated benzene concentrations were below the laboratory method detection limit (MDL) of 0.0011 mg/Kg for soil samples Floor -1, Floor -2, Floor -3, Floor -4, Floor -5, South Wall -2, East Wall -1, and North Wall -2 and 0.001 mg/Kg for soil samples South Wall -1 and West Wall -1.

The analytical results indicated BTEX concentrations were below the MDL of: 0.0020 mg/Kg for soil sample South Wall -1, 0.0021 mg/Kg for West Wall -1, 0.0022 mg/Kg for soil samples Floor -1, Floor -2, Floor -3, Floor -5, East Wall -1, North Wall -1 and North Wall -2 and 0.0023 mg/Kg for soil sample Floor -4.

The analytical results indicated TPH concentrations were below the MDL of: 15.6 mg/Kg for soil sample West Wall -1, 16.3 mg/Kg for soil sample North Wall -1, 16.4 mg/Kg for soil samples East Wall -1 and North Wall -2, 16.7 mg/Kg for soil samples Floor -1, Floor -2 and Floor -3, and 16.8 mg/Kg for soil sample Floor -5. The analytical results indicated soil samples South Wall -1 and South Wall -2 exhibited TPH concentrations of 158.5 mg/Kg and 70 mg/Kg, respectively.

Soil sample Floor -3 was analyzed for concentrations of chloride using method EPA 300. The analytical result indicated the chloride concentration was below the MDL of 5.55 mg/Kg.

The analytical results indicated all excavation sidewall and floor samples were below the NMOC regulatory standard for benzene (10 mg/Kg), BTEX (50 mg/Kg) and TPH (5,000 mg/Kg).

Following excavation of the hydrocarbon impacted soil; a baseline stockpile soil sample (Stockpile -1) was collected and submitted for laboratory analysis. Visual and olfactory observations indicated the stockpiled soil would require additional blending for potential use as excavation backfill. Following the blending of the stockpiled soil an additional stockpile soil sample (Stockpile -2) was collected for analysis. The analytical results indicated soil sample

Stockpile – 1 (collected prior to blending activities) exhibited a benzene concentration of 0.2538 mg/Kg, a BTEX concentration of 45.2828 mg/Kg and a TPH concentration of 6,794 mg/Kg.

The analytical results indicated soil sample Stockpile – 2 (collected following blending activities) exhibited a benzene concentration of 0.1266 mg/Kg, a BTEX concentration of 23.3526 mg/Kg and a TPH concentration of 4,032 mg/Kg.

The analytical results indicated the blended stockpile soil was suitable for use as excavation backfill. Plains requested and received NMOCD approval to backfill the excavation with the blended stockpile soil. On June 25, 2008, the excavation was backfilled and contoured to fit the surrounding topography.

SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples collected from the floor and sidewalls of the excavation, Basin recommends Plains provide the NMOCD Hobbs district office a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant site closure to the GulfMark – Livingston Ridge Truck Overfill release site.

LIMITATIONS

Basin Environmental Service Technologies, LLC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Service Technologies, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Service Technologies, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Service Technologies, LLC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Service Technologies, LLC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains Marketing, L.P. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC and/or Plains Marketing, L.P.

DISTRIBUTION:

Copy 1: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

Copy 2: Jeff Dann
Plains Marketing, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002
jpdann@paalp.com

Copy 3: Camille Bryant
Plains Marketing, L.P.
3112 Highway 82
Lovington, New Mexico 88260
cjbryant@paalp.com

Copy 4: Ronald Broussard
Vice President of Operations
GulfMark Energy, Inc.
P.O. Box 844
Houston, Texas 77001

Copy 5: Curt Stanley
Basin Environmental
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Lovington, New Mexico 88260
cstanley@basinenv.com

Figures

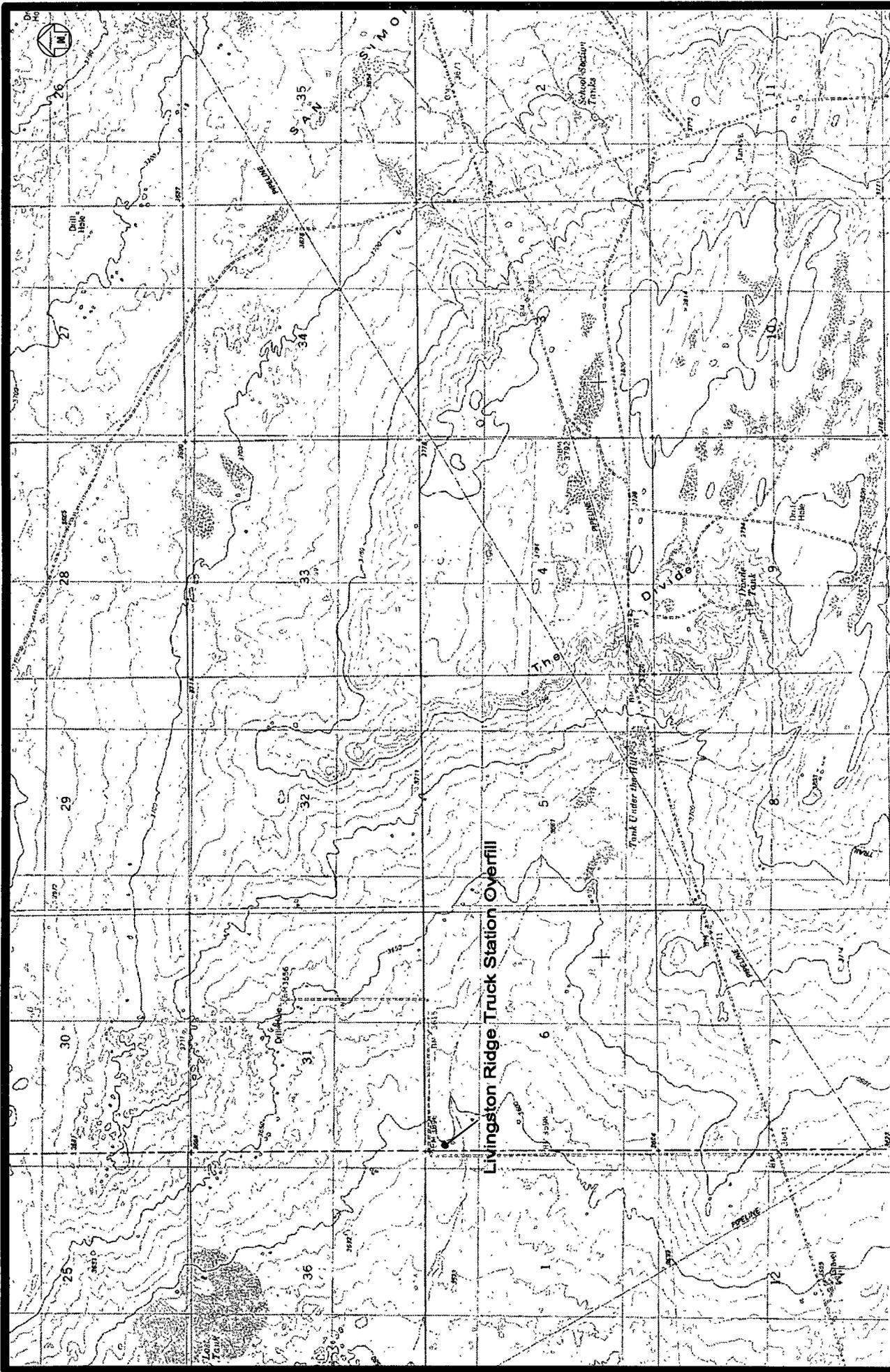
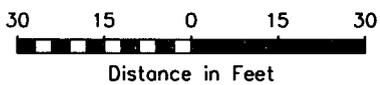
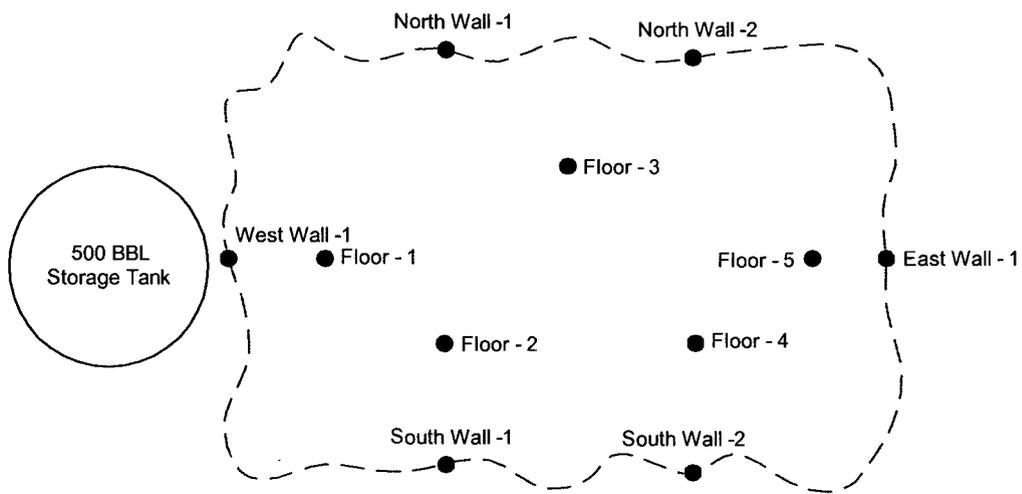
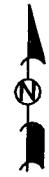


Figure 1
 Site Location Map
 Livingston Ridge
 Truck Station Overfill
 Plains Marking, L.P.
 Lea County, New Mexico
 1RP-1871

Basin Environmental Services



Prep By: CDS
 June 30, 2008
 Checked By: CDS
 Scale 1"=400'



LEGEND:

----- Excavation Extent

Figure 2
Site and Sample
Location Map
Plains Marketing, L.P.
GulfMark - Livingston Ridge
Truck Station Overfill
Lea County, NM
1RP - 1871

Basin Environmental Services

Scale 1" = 30'	Drawn By CDS	Prepared By CDS
June 30, 2008	NW1/4 NW1/4 Sec 6 T22S R32E	
Lat N32.4263889° Long W103.7222220°		

Tables

TABLE 1

CONCENTRATIONS OF BTEX, TPH AND CHLORIDES IN SOIL

PLAINS MARKETING, L.P.
 GULFMARK - LIVINGSTON RIDGE TRUCK STATION OVERFILL
 LEA COUNTY, NEW MEXICO
 SRS: 2008-136
 IRP - 1871

SAMPLE LOCATION	SAMPLE DEPTH (below ground surface)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030						METHOD: 8015M			E 300	
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENE (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	TPH GRO C ₆ - C ₁₂ (mg/Kg)	TPH DRO C ₁₂ - C ₂₈ (mg/Kg)	TPH ORO C ₂₈ - C ₃₅ (mg/Kg)	TOTAL TPH C ₆ - C ₃₅ (mg/Kg)	CHLORIDES (mg/Kg)
Floor - 1	3 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.7	<16.7	<16.7	<16.7	
Floor - 2	3 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.7	<16.7	<16.7	<16.7	
Floor - 3	3 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.7	<16.7	<16.7	<16.7	<5.55
Floor - 4	3 feet	06/02/08	In - situ	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0022	<17	<17	<17	<17	
Floor - 5	3 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.8	<16.8	<16.8	<16.8	
South Wall -1	2.5 feet	06/02/08	In - situ	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.2	134	24.5	158.5	
South Wall -2	2.5 feet	06/02/08	In - situ	<0.0011	<0.0021	<0.0011	<0.0021	<0.0011	<0.0021	<16	54	16	70	<5.35
East Wall -1	2.5 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.4	<16.4	<16.4	<16.4	
North Wall - 1	2.5 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.3	<16.3	<16.3	<16.3	
North Wall - 2	2.5 feet	06/02/08	In - situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.4	<16.4	<16.4	<16.4	
West Wall - 1	2.5 feet	06/02/08	In - situ	<0.0011	<0.0021	<0.0011	<0.0021	<0.0011	<0.0021	<15.6	<15.6	<15.6	<15.6	
Stockpile - 1	-	06/02/08	Blended	0.2538	8.032	5.527	20.17	11.3	45.2828	1630	4400	764	6794	
Stockpile - 2	-	06/02/08	Backfill	0.1266	2.453	2.733	12.2	5.840	23.3526	826	2680	526	4032	<5.40

**Appendix A:
Laboratory Reports**

Analytical Report 305185

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

Livingston Ridge Truck Station Overfill

2008-00136

09-JUN-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Norcross(Atlanta), GA E87429

South Carolina certification numbers:

Norcross(Atlanta), GA 98015

North Carolina certification numbers:

Norcross(Atlanta), GA 483

**Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta**



09-JUN-08

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **305185**
Livingston Ridge Truck Station Overfill
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 305185. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 305185 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



Sample Cross Reference 305185



PLAINS ALL AMERICAN EH&S, Midland, TX
Livingston Ridge Truck Station Overfill

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Floor-1	S	Jun-02-08 11:00		305185-001
Floor-2	S	Jun-02-08 11:05		305185-002
Floor-3	S	Jun-02-08 11:10		305185-003
Floor-4	S	Jun-02-08 11:15		305185-004
Floor-5	S	Jun-02-08 11:20		305185-005
South Wall-1	S	Jun-02-08 11:25		305185-006
South Wall-2	S	Jun-02-08 11:30		305185-007
East Wall-1	S	Jun-02-08 11:35		305185-008
North Wall-1	S	Jun-02-08 11:40		305185-009
North Wall-2	S	Jun-02-08 11:45		305185-010
West Wall-1	S	Jun-02-08 11:50		305185-011
Stockpile-1	S	Jun-02-08 13:00		305185-012
Stockpile-2	S	Jun-02-08 16:00		305185-013



Certificate of Analysis Summary 305185

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: Livingston Ridge Truck Station Overfill

Project Id: 2008-00136

Contact: Daniel Bryant

Project Location: Lea County, NM

Date Received in Lab: Wed Jun-04-08 03:58 pm

Report Date: 09-JUN-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	305185-001	305185-002	305185-003	305185-004	305185-005	305185-006
	<i>Field Id:</i>	Floor-1	Floor-2	Floor-3	Floor-4	Floor-5	South Wall-1
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-02-08 11:00	Jun-02-08 11:05	Jun-02-08 11:10	Jun-02-08 11:15	Jun-02-08 11:20	Jun-02-08 11:25
BTEX by EPA 8021B	<i>Extracted:</i>	Jun-05-08 11:10					
	<i>Analyzed:</i>	Jun-05-08 16:09	Jun-05-08 16:33	Jun-05-08 16:57	Jun-05-08 17:21	Jun-05-08 17:45	Jun-05-08 18:08
	<i>Units/RL:</i>	mg/kg RL					
Benzene		ND 0.0011	ND 0.0010				
Toluene		ND 0.0022	ND 0.0022	ND 0.0022	ND 0.0023	ND 0.0022	ND 0.0020
Ethylbenzene		ND 0.0011	ND 0.0010				
m,p-Xylenes		ND 0.0022	ND 0.0022	ND 0.0022	ND 0.0023	ND 0.0022	ND 0.0020
o-Xylene		ND 0.0011	ND 0.0010				
Total Xylenes		ND	ND	ND	ND	ND	ND
Total BTEX		ND	ND	ND	ND	ND	ND
Inorganic Anions by EPA 300	<i>Extracted:</i>			Jun-05-08 20:21			
	<i>Analyzed:</i>						
	<i>Units/RL:</i>			mg/kg RL			
Chloride				ND 5.55			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-05-08 17:00					
	<i>Units/RL:</i>	% RL					
Percent Moisture		10.4	10.3	9.98	11.9	10.9	11.9
TPH by SW8015 Mod	<i>Extracted:</i>	Jun-05-08 11:45					
	<i>Analyzed:</i>	Jun-05-08 16:22	Jun-05-08 16:50	Jun-05-08 17:17	Jun-05-08 17:45	Jun-05-08 18:11	Jun-05-08 18:38
	<i>Units/RL:</i>	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		ND 16.7	ND 16.7	ND 16.7	ND 17.0	ND 16.8	ND 15.2
C12-C28 Diesel Range Hydrocarbons		ND 16.7	ND 16.7	ND 16.7	ND 17.0	ND 16.8	134 15.2
C28-C35 Oil Range Hydrocarbons		ND 16.7	ND 16.7	ND 16.7	ND 17.0	ND 16.8	24.5 15.2
Total TPH		ND	ND	ND	ND	ND	158.5

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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 Brent Barron
 Odessa Laboratory Director



Certificate of Analysis Summary 305185

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: Livingston Ridge Truck Station Overfill

Project Id: 2008-00136

Contact: Daniel Bryant

Project Location: Lea County, NM

Date Received in Lab: Wed Jun-04-08 03:58 pm

Report Date: 09-JUN-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	305185-007	305185-008	305185-009	305185-010	305185-011	305185-012
	<i>Field Id:</i>	South Wall-2	East Wall-1	North Wall-1	North Wall-2	West Wall-1	Stockpile-1
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-02-08 11:30	Jun-02-08 11:35	Jun-02-08 11:40	Jun-02-08 11:45	Jun-02-08 11:50	Jun-02-08 13:00
BTEX by EPA 8021B	<i>Extracted:</i>	Jun-05-08 11:10	Jun-06-08 12:10				
	<i>Analyzed:</i>	Jun-05-08 18:32	Jun-05-08 18:56	Jun-05-08 19:20	Jun-05-08 19:43	Jun-05-08 20:54	Jun-06-08 17:47
	<i>Units/RL:</i>	mg/kg RL					
Benzene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0010	0.2538 0.0538
Toluene		ND 0.0021	ND 0.0022	ND 0.0022	ND 0.0022	ND 0.0021	8.032 0.1076
Ethylbenzene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0010	5.527 0.0538
m,p-Xylenes		ND 0.0021	ND 0.0022	ND 0.0022	ND 0.0022	ND 0.0021	20.17 0.1076
o-Xylene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0010	11.30 0.0538
Total Xylenes		ND	ND	ND	ND	ND	31.47
Total BTEX		ND	ND	ND	ND	ND	45.2828
Inorganic Anions by EPA 300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-05-08 20:21					
	<i>Units/RL:</i>	mg/kg RL					
Chloride		ND 5.35					
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-05-08 17:00					
	<i>Units/RL:</i>	% RL					
Percent Moisture		6.47	8.37	8.16	8.44	3.74	7.03
TPH by SW8015 Mod	<i>Extracted:</i>	Jun-05-08 11:45					
	<i>Analyzed:</i>	Jun-05-08 19:05	Jun-05-08 19:31	Jun-05-08 19:57	Jun-05-08 20:23	Jun-05-08 21:14	Jun-05-08 21:40
	<i>Units/RL:</i>	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		ND 16.0	ND 16.4	ND 16.3	ND 16.4	ND 15.6	1630 16.1
C12-C28 Diesel Range Hydrocarbons		54.0 16.0	ND 16.4	ND 16.3	ND 16.4	ND 15.6	4400 16.1
C28-C35 Oil Range Hydrocarbons		16.0 16.0	ND 16.4	ND 16.3	ND 16.4	ND 15.6	764 16.1
Total TPH		70	ND	ND	ND	ND	6794

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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 Brent Barron
 Odessa Laboratory Director



Certificate of Analysis Summary 305185

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: Livingston Ridge Truck Station Overfill

Project Id: 2008-00136

Contact: Daniel Bryant

Project Location: Lea County, NM

Date Received in Lab: Wed Jun-04-08 03:58 pm

Report Date: 09-JUN-08

Project Manager: Brent Barron, II

Analysis Requested	<i>Lab Id:</i> 305185-013 <i>Field Id:</i> Stockpile-2 <i>Depth:</i> <i>Matrix:</i> SOIL <i>Sampled:</i> Jun-02-08 16:00					
BTEX by EPA 8021B	<i>Extracted:</i> Jun-06-08 12:10 <i>Analyzed:</i> Jun-06-08 18:10 <i>Units/RL:</i> mg/kg RL					
Benzene	0.1266	0.0270				
Toluene	2.453	0.0540				
Ethylbenzene	2.733	0.0270				
m,p-Xylenes	12.20	0.0540				
o-Xylene	5.840	0.0270				
Total Xylenes	18.04					
Total BTEX	23.3526					
Inorganic Anions by EPA 300	<i>Extracted:</i> <i>Analyzed:</i> Jun-05-08 20:21 <i>Units/RL:</i> mg/kg RL					
Chloride	ND	5.40				
Percent Moisture	<i>Extracted:</i> <i>Analyzed:</i> Jun-05-08 17:00 <i>Units/RL:</i> % RL					
Percent Moisture	7.41					
TPH by SW8015 Mod	<i>Extracted:</i> Jun-05-08 11:45 <i>Analyzed:</i> Jun-05-08 22:05 <i>Units/RL:</i> mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons	826	16.2				
C12-C28 Diesel Range Hydrocarbons	2680	16.2				
C28-C35 Oil Range Hydrocarbons	526	16.2				
Total TPH	4032					

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Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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(770) 449-8800	(770) 449-5477



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724697

Sample: 305185-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0344	0.0300	115	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

Lab Batch #: 724697

Sample: 305185-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0287	0.0300	96	80-120	
4-Bromofluorobenzene	0.0356	0.0300	119	80-120	

Lab Batch #: 724697

Sample: 305185-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	80-120	
4-Bromofluorobenzene	0.0349	0.0300	116	80-120	

Lab Batch #: 724697

Sample: 305185-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	80-120	
4-Bromofluorobenzene	0.0286	0.0300	95	80-120	

Lab Batch #: 724697

Sample: 305185-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0346	0.0300	115	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724697

Sample: 305185-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0349	0.0300	116	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 724697

Sample: 305185-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0348	0.0300	116	80-120	
4-Bromofluorobenzene	0.0298	0.0300	99	80-120	

Lab Batch #: 724697

Sample: 305185-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0356	0.0300	119	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 724697

Sample: 305185-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0341	0.0300	114	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 724697

Sample: 305185-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0359	0.0300	120	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724697

Sample: 305185-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 724697

Sample: 305185-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0323	0.0300	108	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 724697

Sample: 305185-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0341	0.0300	114	80-120	
4-Bromofluorobenzene	0.0293	0.0300	98	80-120	

Lab Batch #: 724697

Sample: 510198-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0242	0.0300	81	80-120	
4-Bromofluorobenzene	0.0316	0.0300	105	80-120	

Lab Batch #: 724697

Sample: 510198-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0349	0.0300	116	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724697

Sample: 510198-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 724839

Sample: 305185-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.4208	0.0300	1403	80-120	**
4-Bromofluorobenzene	0.0555	0.0300	185	80-120	**

Lab Batch #: 724839

Sample: 305185-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0463	0.0300	154	80-120	**
4-Bromofluorobenzene	0.0538	0.0300	179	80-120	**

Lab Batch #: 724839

Sample: 510296-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0287	0.0300	96	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

Lab Batch #: 724839

Sample: 510296-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0353	0.0300	118	80-120	
4-Bromofluorobenzene	0.0289	0.0300	96	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724839

Sample: 510296-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0326	0.0300	109	80-120	

Lab Batch #: 724658

Sample: 305185-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	75.2	100	75	70-135	
o-Terphenyl	41.6	50.0	83	70-135	

Lab Batch #: 724658

Sample: 305185-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	63.8	50.0	128	70-135	

Lab Batch #: 724658

Sample: 305185-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	64.9	50.0	130	70-135	

Lab Batch #: 724658

Sample: 305185-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	79.9	100	80	70-135	
o-Terphenyl	44.1	50.0	88	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724658

Sample: 305185-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	79.9	100	80	70-135	
o-Terphenyl	43.8	50.0	88	70-135	

Lab Batch #: 724658

Sample: 305185-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	81.2	100	81	70-135	
o-Terphenyl	44.6	50.0	89	70-135	

Lab Batch #: 724658

Sample: 305185-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.0	100	86	70-135	
o-Terphenyl	46.9	50.0	94	70-135	

Lab Batch #: 724658

Sample: 305185-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	76.8	100	77	70-135	
o-Terphenyl	42.3	50.0	85	70-135	

Lab Batch #: 724658

Sample: 305185-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.3	100	83	70-135	
o-Terphenyl	46.1	50.0	92	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724658

Sample: 305185-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.6	100	83	70-135	
o-Terphenyl	45.4	50.0	91	70-135	

Lab Batch #: 724658

Sample: 305185-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	81.7	100	82	70-135	
o-Terphenyl	45.3	50.0	91	70-135	

Lab Batch #: 724658

Sample: 305185-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.1	100	83	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

Lab Batch #: 724658

Sample: 305185-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.9	100	83	70-135	
o-Terphenyl	45.4	50.0	91	70-135	

Lab Batch #: 724658

Sample: 305185-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch #: 724658

Sample: 305185-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.6	100	97	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

Lab Batch #: 724658

Sample: 510167-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.4	100	93	70-135	
o-Terphenyl	49.5	50.0	99	70-135	

Lab Batch #: 724658

Sample: 510167-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.5	100	78	70-135	
o-Terphenyl	42.9	50.0	86	70-135	

Lab Batch #: 724658

Sample: 510167-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	85.2	100	85	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID:

2008-00136

Lab Batch #: 724758

Sample: 724758-1-BKS

Matrix: Solid

Date Analyzed: 06/05/2008

Date Prepared: 06/05/2008

Analyst: IRO

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	11.0	110	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes



BS / BSD Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Analyst: SHE

Date Prepared: 06/05/2008

Project ID: 2008-00136

Date Analyzed: 06/05/2008

Lab Batch ID: 724697

Sample: 510198-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0856	86	0.1	0.0896	90	5	70-130	35	
Toluene	ND	0.1000	0.0892	89	0.1	0.0894	89	0	70-130	35	
Ethylbenzene	ND	0.1000	0.1113	111	0.1	0.1156	116	4	71-129	35	
m,p-Xylenes	ND	0.2000	0.2092	105	0.2	0.2094	105	0	70-135	35	
o-Xylene	ND	0.1000	0.1082	108	0.1	0.1059	106	2	71-133	35	

Analyst: SHE

Date Prepared: 06/06/2008

Date Analyzed: 06/06/2008

Lab Batch ID: 724839

Sample: 510296-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0805	81	0.1	0.0866	87	7	70-130	35	
Toluene	ND	0.1000	0.0859	86	0.1	0.0920	92	7	70-130	35	
Ethylbenzene	ND	0.1000	0.1025	103	0.1	0.1091	109	6	71-129	35	
m,p-Xylenes	ND	0.2000	0.2075	104	0.2	0.2213	111	6	70-135	35	
o-Xylene	ND	0.1000	0.1067	107	0.1	0.1135	114	6	71-133	35	

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Analyst: ASA

Lab Batch ID: 724658

Sample: 510167-1-BKS

Date Prepared: 06/05/2008

Batch #: 1

Project ID: 2008-00136

Date Analyzed: 06/05/2008

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	ND	1000	953	95	1000	917	92	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	949	95	1000	926	93	2	70-135	35	

Relative Percent Difference RPD = $200 * (D-F) / (D+F)$

Blank Spike Recovery [D] = $100 * (C) / [B]$

Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Lab Batch #: 724758

Date Analyzed: 06/05/2008

Date Prepared: 06/05/2008

Project ID: 2008-00136

Analyst: IRO

QC- Sample ID: 305185-003 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
	Chloride	ND	111	103	93	75-125

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Relative Percent Difference [E] = 200*(C-A)/(C+B)

All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Project ID: 2008-00136

Lab Batch ID: 724697

QC- Sample ID: 305185-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/06/2008

Date Prepared: 06/05/2008

Analyst: SHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1116	0.0894	80	0.1116	0.0902	81	1	70-130	35	
Toluene	ND	0.1116	0.0907	81	0.1116	0.0899	81	0	70-130	35	
Ethylbenzene	ND	0.1116	0.0957	86	0.1116	0.0948	85	1	71-129	35	
m,p-Xylenes	ND	0.2233	0.1951	87	0.2233	0.1932	87	0	70-135	35	
o-Xylene	ND	0.1116	0.1010	91	0.1116	0.0996	89	2	71-133	35	

Lab Batch ID: 724658

QC- Sample ID: 305185-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/05/2008

Date Prepared: 06/05/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1120	1110	99	1120	1120	100	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1120	1080	96	1120	1140	102	6	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Livingston Ridge Truck Station Overfill

Work Order #: 305185

Lab Batch #: 724758

Project ID: 2008-00136

Date Analyzed: 06/05/2008

Date Prepared: 06/05/2008

Analyst: IRO

QC- Sample ID: 305185-003 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY

Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	ND	ND	NC	20	

Lab Batch #: 724621

Date Analyzed: 06/05/2008

Date Prepared: 06/05/2008

Analyst: IRO

QC- Sample ID: 305185-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	ND	11.0	NC	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas
 Variance/ Corrective Action Report- Sample Log-In

Client: Basin Env. / Pharms
 Date/ Time: 6-4-08 15:08
 Lab ID #: 305185
 Initials: AL

Sample Receipt Checklist

	Yes	No	Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/>		5.5 °C
#2 Shipping container in good condition?	<input checked="" type="checkbox"/>		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/>		Not Present
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/>		Not Present
#5 Chain of Custody present?	<input checked="" type="checkbox"/>		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/>		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/>		
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/>		ID written on Cont / Lid
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/>		Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/>		
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/>		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/>		See Below
#13 Samples properly preserved?	<input checked="" type="checkbox"/>		See Below
#14 Sample bottles intact?	<input checked="" type="checkbox"/>		
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>		
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>		
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/>		See Below
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/>		See Below
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/>		Not Applicable
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/>		Not Applicable

Variance Documentation

Contact _____ Contacted by _____ Date/ Time _____

Regarding _____

Corrective Action Taken

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

**Appendix B:
Release Notification and Corrective Action
(Form C-141)**

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Plains Marketing, LP	Contact	Daniel Bryant
Address	P.O. Box 3119 - Midland, Tx 79702	Telephone No.	(432) 686-1769
Facility Name	Livingston Ridge Station	Facility Type	Trucking - Tank Battery

Surface Owner: Plains	Mineral Owner	Lease No. 30 025-31403
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	6	22S	32E					Lea

Latitude N 32.42638890 Longitude W 103.72222220

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	82 bbls	Volume Recovered	23 bbls
Source of Release	Tank	Date and Hour of Occurrence	05/24/2008 17:40	Date and Hour of Discovery	05/24/2008 17:45
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Larry Johnson		
By Whom?	Daniel Bryant	Date and Hour	05/24/2008 16:00		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse			

RECEIVED

JUN 11 2008

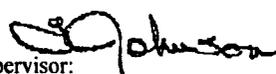
HOBBS OGD

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Third party transport driver overfilled the tank at Livingston Ridge Truck Station causing a release of crude oil

Describe Area Affected and Cleanup Action Taken.*
Release impacted an area inside secondary containment that measured 75' X 117'.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Daniel Bryant	Approved by District Supervisor: 	
Title: Environmental R/C Specialist	ENVIRONMENTAL ENGINEER	
E-mail Address: dmbryant@paalp.com	Approval Date: 6-11-08	Expiration Date: 8-11-08
Date: 6/4/08 Phone: (432) 686-1769	Conditions of Approval: SUBMIT FINAL C.141 BY <input checked="" type="checkbox"/> Attached <input type="checkbox"/> IRP-1871	

* Attach Additional Sheets If Necessary

FCOHO 816432769