

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
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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 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 checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	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.*

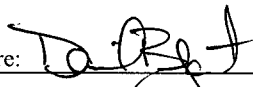
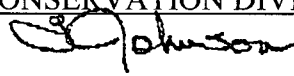
Describe Cause of Problem and Remedial Action Taken.*

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	Expiration Date: —	
E-mail Address: dmbryant@paalp.com	Conditions of Approval: —	Attached <input checked="" type="checkbox"/> IRP - 1871	
Date: 7/2/2008	Phone: (432) 686-1769		

* Attach Additional Sheets If Necessary

Basin Environmental Service Technologies, LLC

2800 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
cstanley@basinenv.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

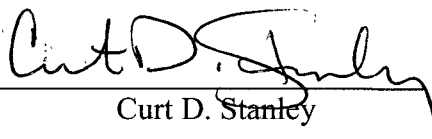
HUBBSVILLE

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 NMOCD 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
P.O. Box 301
Lovington, New Mexico 88260
cstanley@basinenv.com

Figures

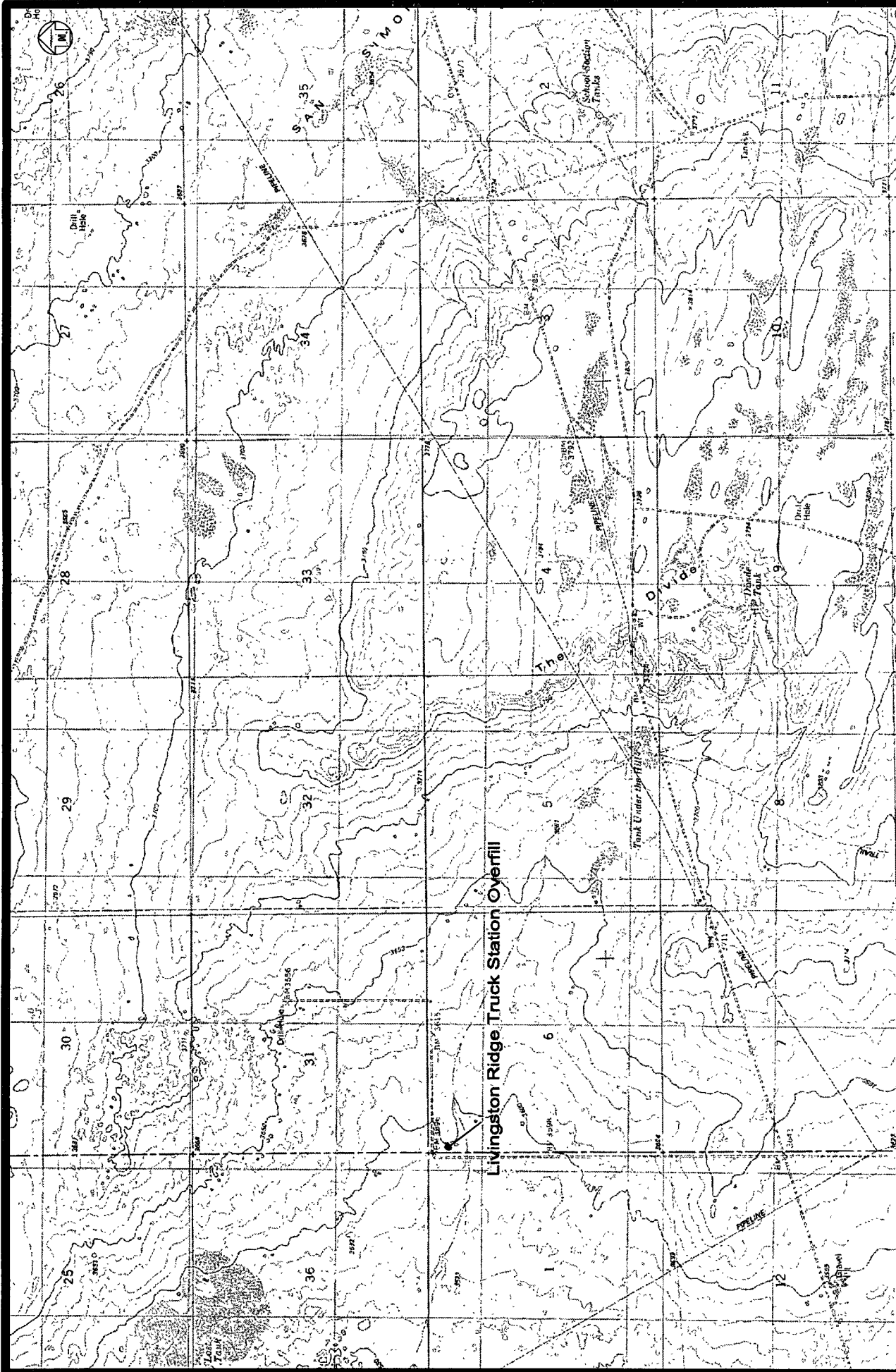
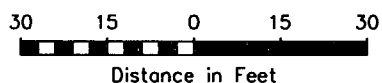
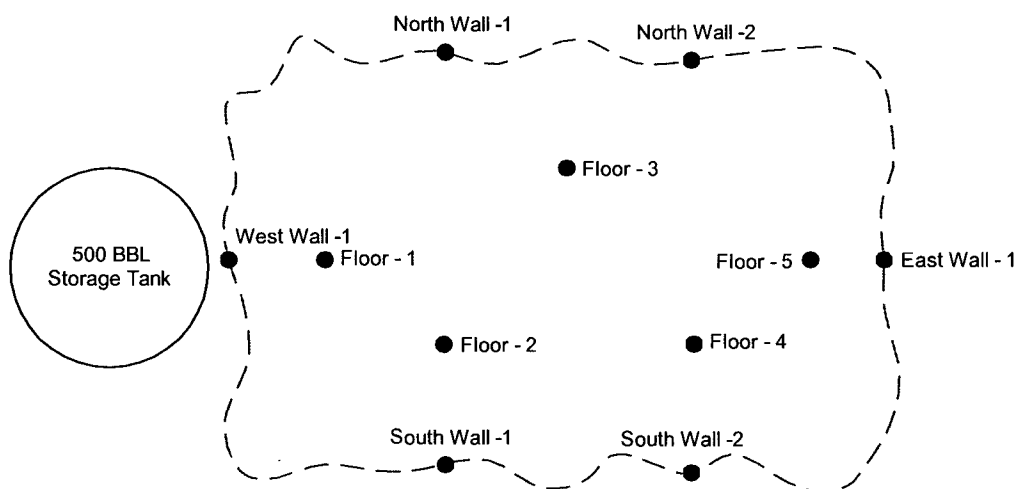
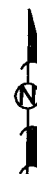


Figure 1
 Site Location Map
 Livingston Ridge
 Truck Station Overfill
 Plains Marking, L.P.
 Lea County, New Mexico
 1RP-1871

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 72222220"	

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			TOTAL TPH C ₆ - C ₃₅ (mg/Kg)	E 300 CHLORIDES (mg/Kg)
				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)		
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	Jun-05-08 11:10	Jun-05-08 11:10	Jun-05-08 11:10	Jun-05-08 11:10	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	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	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 0.0011	ND 0.0011	ND 0.0011	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 0.0011	ND 0.0011	ND 0.0011	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	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% 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	Jun-05-08 11:45	Jun-05-08 11:45	Jun-05-08 11:45	Jun-05-08 11:45	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	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	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.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


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-05-08 11:10	Jun-05-08 11:10	Jun-05-08 11:10	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	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	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>	Jun-05-08 20:21					
	<i>Analyzed:</i>						
	<i>Units/RL:</i>	mg/kg RL					
Chloride		ND 5.35					
Percent Moisture	<i>Extracted:</i>	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00	Jun-05-08 17:00
	<i>Analyzed:</i>						
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% 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	Jun-05-08 11:45	Jun-05-08 11:45	Jun-05-08 11:45	Jun-05-08 11:45	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	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	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	Lab Id: 305185-013 Field Id: Stockpile-2 Depth: Matrix: SOIL Sampled: Jun-02-08 16:00					
BTEX by EPA 8021B	Extracted: Jun-06-08 12:10 Analyzed: Jun-06-08 18:10 Units/RL: 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	Extracted: Analyzed: Jun-05-08 20:21 Units/RL: mg/kg RL					
Chloride	ND 5.40					
Percent Moisture	Extracted: Analyzed: Jun-05-08 17:00 Units/RL: % RL					
Percent Moisture	7.41					
TPH by SW8015 Mod	Extracted: Jun-05-08 11:45 Analyzed: Jun-05-08 22:05 Units/RL: 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					

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



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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5757 NW 158th St, Miami Lakes, FL 33014
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Phone	Fax
(281) 589-0692	(281) 589-0695
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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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	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	0.0356	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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	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	0.0286	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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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] = $100 \times [C] / [B]$

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	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											
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	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											
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

Date Prepared: 06/05/2008

Project ID: 2008-00136

Date Analyzed: 06/05/2008

Lab Batch ID: 724658

Sample: 510167-1-BKS

Batch #: 1

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] = $100 \cdot (C-A)/B$

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

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 $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

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

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley PAGE 01 OF 02
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P.O. Box 301
City/State/Zip: Livingston, NM 88260
Telephone No: (505) 441-2244 Fax No: (505) 396-1429
Sampler Signature: [Signature] e-mail: cstanley@basinenv.com

Project Name: Livingston Ridge Truck Station Overfill
Project # SR5 2008-0036
Project Loc: Lea County, NM
PO #: _____
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 505186

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Preservation & # of Containers										Analyze For										RUSH TAT (Per Schedule) 72 Hrs	Standard TAT 4 DAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
						Field # (lab use only)	Total # of Containers	Ac	H ₂ O ₂	HCl	H ₂ SO ₄	NaOH	Na ₂ SO ₄	None	Other (Specify)	SW - Drinking Water S ₁ - Surface Water S ₂ - Groundwater S ₃ - Soil S ₄ - Sediment S ₅ - Sludge S ₆ - Slurry S ₇ - Non-hazardous S ₈ - Hazardous S ₉ - Other (Specify)	TPH	4181	8151	8152	8153	8154	8155	8156	8157			8158	8159	8160	8161	8162	8163	8164	8165	8166	8167	8168	8169	8170	8171	8172	8173	8174	8175	8176	8177	8178	8179	8180	8181	8182	8183	8184	8185	8186	8187	8188	8189	8190	8191	8192	8193	8194	8195	8196	8197	8198	8199	8200	8201	8202	8203	8204	8205	8206	8207	8208	8209	8210	8211	8212	8213	8214	8215	8216	8217	8218	8219	8220	8221	8222	8223	8224	8225	8226	8227	8228	8229	8230	8231	8232	8233	8234	8235	8236	8237	8238	8239	8240	8241	8242	8243	8244	8245	8246	8247	8248	8249	8250	8251	8252	8253	8254	8255	8256	8257	8258	8259	8260	8261	8262	8263	8264	8265	8266	8267	8268	8269	8270	8271	8272	8273	8274	8275	8276	8277	8278	8279	8280	8281	8282	8283	8284	8285	8286	8287	8288	8289	8290	8291	8292	8293	8294	8295	8296	8297	8298	8299	8300	8301	8302	8303	8304	8305	8306	8307	8308	8309	8310	8311	8312	8313	8314	8315	8316	8317	8318	8319	8320	8321	8322	8323	8324	8325	8326	8327	8328	8329	8330	8331	8332	8333	8334	8335	8336	8337	8338	8339	8340	8341	8342	8343	8344	8345	8346	8347	8348	8349	8350	8351	8352	8353	8354	8355	8356	8357	8358	8359	8360	8361	8362	8363	8364	8365	8366	8367	8368	8369	8370	8371	8372	8373	8374	8375	8376	8377	8378	8379	8380	8381	8382	8383	8384	8385	8386	8387	8388	8389	8390	8391	8392	8393	8394	8395	8396	8397	8398	8399	8400	8401	8402	8403	8404	8405	8406	8407	8408	8409	8410	8411	8412	8413	8414	8415	8416	8417	8418	8419	8420	8421	8422	8423	8424	8425	8426	8427	8428	8429	8430	8431	8432	8433	8434	8435	8436	8437	8438	8439	8440	8441	8442	8443	8444	8445	8446	8447	8448	8449	8450	8451	8452	8453	8454	8455	8456	8457	8458	8459	8460	8461	8462	8463	8464	8465	8466	8467	8468	8469	8470	8471	8472	8473	8474	8475	8476	8477	8478	8479	8480	8481	8482	8483	8484	8485	8486	8487	8488	8489	8490	8491	8492	8493	8494	8495	8496	8497	8498	8499	8500	8501	8502	8503	8504	8505	8506	8507	8508	8509	8510	8511	8512	8513	8514	8515	8516	8517	8518	8519	8520	8521	8522	8523	8524	8525	8526	8527	8528	8529	8530	8531	8532	8533	8534	8535	8536	8537	8538	8539	8540	8541	8542	8543	8544	8545	8546	8547	8548	8549	8550	8551	8552	8553	8554	8555	8556	8557	8558	8559	8560	8561	8562	8563	8564	8565	8566	8567	8568	8569	8570	8571	8572	8573	8574	8575	8576	8577	8578	8579	8580	8581	8582	8583	8584	8585	8586	8587	8588	8589	8590	8591	8592	8593	8594	8595	8596	8597	8598	8599	8600	8601	8602	8603	8604	8605	8606	8607	8608	8609	8610	8611	8612	8613	8614	8615	8616	8617	8618	8619	8620	8621	8622	8623	8624	8625	8626	8627	8628	8629	8630	8631	8632	8633	8634	8635	8636	8637	8638	8639	8640	8641	8642	8643	8644	8645	8646	8647	8648	8649	8650	8651	8652	8653	8654	8655	8656	8657	8658	8659	8660	8661	8662	8663	8664	8665	8666	8667	8668	8669	8670	8671	8672	8673	8674	8675	8676	8677	8678	8679	8680	8681	8682	8683	8684	8685	8686	8687	8688	8689	8690	8691	8692	8693	8694	8695	8696	8697	8698	8699	8700	8701	8702	8703	8704	8705	8706	8707	8708	8709	8710	8711	8712	8713	8714	8715	8716	8717	8718	8719	8720	8721	8722	8723	8724	8725	8726	8727	8728	8729	8730	8731	8732	8733	8734	8735	8736	8737	8738	8739	8740	8741	8742	8743	8744	8745	8746	8747	8748	8749	8750	8751	8752	8753	8754	8755	8756	8757	8758	8759	8760	8761	8762	8763	8764	8765	8766	8767	8768	8769	8770	8771	8772	8773	8774	8775	8776	8777	8778	8779	8780	8781	8782	8783	8784	8785	8786	8787	8788	8789	8790	8791	8792	8793	8794	8795	8796	8797	8798	8799	8800	8801	8802	8803	8804	8805	8806	8807	8808	8809	8810	8811	8812	8813	8814	8815	8816	8817	8818	8819	8820	8821	8822	8823	8824	8825	8826	8827	8828	8829	8830	8831	8832	8833	8834	8835	8836	8837	8838	8839	8840	8841	8842	8843	8844	8845	8846	8847	8848	8849	8850	8851	8852	8853	8854	8855	8856	8857	8858	8859	8860	8861	8862	8863	8864	8865	8866	8867	8868	8869	8870	8871	8872	8873	8874	8875	8876	8877	8878	8879	8880	8881	8882	8883	8884	8885	8886	8887	8888	8889	8890	8891	8892	8893	8894	8895	8896	8897	8898	8899	8900	8901	8902	8903	8904	8905	8906	8907	8908	8909	8910	8911	8912	8913	8914	8915	8916	8917	8918	8919	8920	8921	8922	8923	8924	8925	8926	8927	8928	8929	8930	8931	8932	8933	8934	8935	8936	8937	8938	8939	8940	8941	8942	8943	8944	8945	8946	8947	8948	8949	8950	8951	8952	8953	8954	8955	8956	8957	8958	8959	8960	8961	8962	8963	8964	8965	8966	8967	8968	8969	8970	8971	8972	8973	8974	8975	8976	8977	8978	8979	8980	8981	8982	8983	8984	8985	8986	8987	8988	8989	8990	8991	8992	8993	8994	8995	8996	8997	8998	8999	9000	9001	9002	9003	9004	9005	9006	9007	9008	9009	9010	9011	9012	9013	9014	9015	9016	9017	9018	9019	9020	9021	9022	9023	9024	9025	9026	9027	9028	9029	9030	9031	9032	9033	9034	9035	9036	9037	9038	9039	9040	9041	9042	9043	9044	9045	9046	9047	9048	9049	9050	9051	9052	9053	9054	9055	9056	9057	9058	9059	9060	9061	9062	9063	9064	9065	9066	9067	9068	9069	9070	9071	9072	9073	9074	9075	9076	9077	9078	9079	9080	9081	9082	9083	9084	9085	9086	9087	9088	9089	9090	9091	9092	9093	9094	9095	9096	9097	9098	9099	9100	9101	9102	9103	9104	9105	9106	9107	9108	9109	9110	9111	9112	9113	9114	9115	9116	9117	9118	9119	9120	9121	9122	9123	9124	9125	9126	9127	9128	9129	9130	9131	9132	9133	9134	9135	9136	9137	9138	9139	9140	9141	9142	9143	9144	9145	9146	9147	9148	9149	9150	9151	9152	9153	9154	9155	9156	9157	9158	9159	9160	9161	9162	9163	9164	9165	9166	9167	9168	9169	9170	9171	9172	9173	9174	9175	9176	9177	9178	9179	9180	9181	9182	9183	9184	9185	9186	9187	9188	9189	9190	9191	9192	9193	9194	9195	9196	9197	9198	9199	9200	9201	9202	9203	9204	9205	9206	9207	9208	9209	9210	9211	9212	9213	9214	9215	9216	9217	9218	9219	9220	9221	9222	9223	9224	9225	9226	9227	9228	9229	9230	9231	9232	9233	9234	9235	9236	9237	9238	9239	9240	9241	9242	9243	9244	9245	9246	9247	9248	9249	9250	9251	9252	9253	9254	9255	9256	9257	9258	9259	9260	9261	9262	9263	9264	9265	9266	9267	9268	9269	9270	9271	9272	9273	9274	9275	9276	9277	9278	9279	9280	9281	9282	9283	9284	9285	9286	9287	9288	9289	9290	9291	9292	9293	9294	9295	9296	9297	9298	9299	9300	9301	9302	9303	9304	9305	9306	9307	9308	9309	9310	9311	9312	9313	9314	9315	9316	9317	9318	9319	9320	9321	9322	9323	9324	9325	9326	9327	9328	9329	9330	9331	9332	9333	9334	9335	9336	9337	9338	9339	9340	9341	9342	9343	9344	9345	9346	9347	9348	9349	9350	9351	9352	9353	9354	9355	9356	9357	9358	9359	9360	9361	9362	9363	9364	9365	9366	9367	9368	9369	9370	9371	9372	9373	9374	9375	9376	9377	9378	9379	9380	9381	9382	9383	9384	9385	9386	9387	9388	9389	9390	9391	9392	9393	9394	9395	9396	9397	9398	9399	9400	9401	9402	9403	9404	9405	9406	9407	9408	9409	9410	9411	9412	9413	9414	9415	9416	9417	9418	9419	9420	9421	9422	9423	9424	9425	9426	9427	9428	9429	9430	9431	9432	9433	9434	9435	9436	9437	9438	9439	9440	9441	9442	9443	9444	9445	9446	9447	9448	9449	9450	9451	9452	9453	9454	9455	9456	9457	9458	9459	9460	9461	9462	9463	9464	9465	9466	9467	9468	9469	9470	9471	9472	9473	9474	9475	9476	9477

Special Instructions

Bill to Basin Environmental

Relinquished by: <u>[Signature]</u>	Date: <u>6/4/08</u>	Time: <u>3:56</u>	Received by: _____	Date: _____	Time: _____
Relinquished by: <u>[Signature]</u>	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: <u>Christina Lane</u>	Date: <u>6/4/08</u>	Time: <u>3:56</u>

Laboratory Comments:

Sample Containers Intact? N
VOCs Free of Headspace? N
Labels on container(s) N
Custody seals on container(s) N
Custody seals on cooler(s) N
Sample Hand Delivered N
by Courier? N
by Customer? N
Temperature Upon Receipt 55 °C

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

				Client Initials
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.5 °C
#2	Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#3	Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present
#5	Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont / Lid
#9	Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#11	Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#12	Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#13	Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#14	Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#15	Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#16	Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#18	All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#19	Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable
#20	VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	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 D	Section 6	Township 22S	Range 32E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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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	

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.

OIL CONSERVATION DIVISION

Signature: *Daniel Bryant*

Printed Name: Daniel Bryant

Title: Environmental R/C Specialist

E-mail Address: dmbryant@paalp.com

Date: 6/4/08

Phone: (432) 686-1769

Approved by District Supervisor: *Larry Johnson*

ENVIRONMENTAL ENGINEER

Approval Date: 6-11-08 Expiration Date: 8-11-08

Conditions of Approval:

Submit Final C-141 by 7/1/08

Attached ☐

IRP-1871

* Attach Additional Sheets If Necessary

FCOHO 816432769