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PRELIMINARY SITE INVESTIGATION REPORT and REMEDIATION/CLOSURE REQUEST

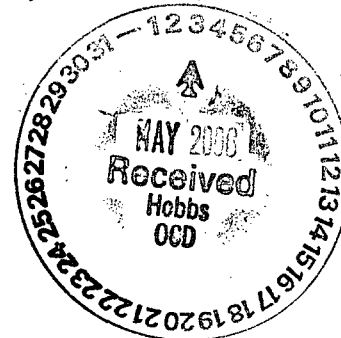
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**PLAINS MARKETING, L.P. (231735)
Langley Pump Station Site
Lea County, New Mexico
Plains EMS # 2005-00079**

**UNIT E (SW/NW), Section 28, Township 25S, Range 37E
Latitude, Longitude 32°, 06', 17.2" North, 103°, 10', 21.9" West**

Prepared For:

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



Prepared By:

Basin Environmental Service Technologies, LLC
P. O. Box 301
Lovington, New Mexico 88260

27 April 2006


Ken Dutton

Basin Environmental Service Technologies, LLC

*facility - PPAC0612426460
incident - PPAC0612426603
application - PPAC0612427319*

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INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), responded to a pipeline release for Plains Marketing, L.P. (Plains), located on the Langley Pump Station on 28 March 2005. The strainer on the Langley Pump Station pipeline pump was replaced and the impacted soil was excavated and stockpiled on a 6-mil poly liner adjacent to the excavation. The Langley Pump Station and Plains Pipeline right-of-way are located on land owned by Mr. John M. Owens.

This site is located in Unit E (SW/NW), Section 28, Township 25 South, Range 37 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site latitude is 32°, 06', 17.2" North and the site longitude is 103°, 10', 21.9" West. The site is characterized by a pump station and right-of-way for the pipeline in a pasture utilized for cattle grazing. The visible surface stained area includes the release point and flow path covering an area approximately 70 feet long by 35 feet wide at the release point and 115 feet long by 4 to 6 feet wide down an unimproved pasture road. An estimated 20 barrels of crude oil were released from the Plains Pipeline and 10 barrels were recovered.

An Emergency One-Call was initiated 28 March 2005 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Mr. Larry Johnson, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1 was verbally notified of the release on 29 March 2005. A NMOCD C-141 was prepared and delivered to Mr. Larry Johnson on 06 April 2005.

SUMMARY OF FIELD ACTIVITIES

On 28 March 2005, Basin mobilized to the Langley Pump Station release to repair and contain the crude oil pipeline release under the direction of Plains operations personnel. After repairing the pipeline release by replacing the strainer on the pipeline pump, excavation of the impacted soil was accomplished (see Figure 2, Excavation Site Map). The release point and visually stained area were manually and mechanically excavated to approximately 70 feet long by 35 feet wide at the release point and 115 feet long by 4 to 6 feet wide down an unimproved pasture road ranging from approximately 1 to 3 feet below ground surface (bgs). Approximately 600 cubic yards of excavated soil were placed on a 6-mil poly liner adjacent to the excavation for future remedial action.

On 12 April 2005, confirmation soil samples were collected from the floor and walls of the excavated area (see Figure 3, Excavation Site Map – Soil Sampling Locations). Soil samples were collected and field screened with a Photoionization Detector (PID), calibrated 12 April 2005. The soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO) (see Table 1, Soil

Chemistry). Laboratory results of the eleven (11) soil samples collected from the floor and walls of the excavation indicated that BTEX and TPH-GRO/DRO constituent concentrations were either below NMOCD regulatory standards or not detected above laboratory method detection limits and no further excavation activities were required.

In May 2005, the excavated impacted soils were divided into equal grid cells of approximately 200 cubic yards per cell. Blending of the impacted soils was initiated and confirmation soil samples were collected from each grid on 23 May 2005. Soil samples were collected and field screened with a PID. The three (3) soil samples were analyzed for constituent concentrations of BTEX and TPH-GRO/DRO. Laboratory results indicated that constituent concentrations of BTEX and TPH-GRO/DRO on Grid 1 and 2 cell soil samples were below NMOCD regulatory standards and Grid 3 exceeded NMOCD regulatory standards for concentrations of TPH-GRO/DRO. Further blending of Grid 3 was accomplished and a confirmation soil sample was collected 14 June 2005. Laboratory results on the Grid 3 cell soil sample indicated that constituent concentrations of BTEX and TPH-GRO/DRO were below NMOCD regulatory standards or not detected above laboratory method detection limits.

NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) SOIL CLASSIFICATION

A search of the New Mexico State Engineers database revealed no groundwater depth information for that section. However, Section 29 in the same Township and Range contains groundwater information revealing an average depth to groundwater of 219 feet bgs. There are no surface water bodies or water wells within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of 0 –9, which sets the remediation levels at:

Benzene: 10 ppm

BTEX: 50 ppm

TPH: 5000 ppm

DISTRIBUTION OF HYDROCARBONS IN THE SATURATED ZONE

The release point and flow path areas were manually and mechanically excavated to a depth ranging from approximately 1 to 3 feet bgs and no visual evidence of crude oil impact was evident on the floor or sidewalls of the excavation. PID readings indicated slight detectable concentrations of Volatile Organic Compounds (VOC) remained on the floor and walls of the excavation. Approximately 600 cubic yards of impacted soil was excavated and stockpiled adjacent to the excavation on a 6-mil poly liner.

Eleven (11) confirmation soil samples were collected from the excavation on 12 April 2005; field screened with a PID and were analyzed for concentrations of BTEX and TPH-GRO/DRO. Laboratory data sheets and chain-of-custody forms are attached as Appendix B. Analytical results indicated that constituent concentrations of detectable BTEX were below NMOCD regulatory standards on three (3) confirmation soil samples and not detected above laboratory method detection limits on the remaining eight (8) confirmation soil samples. Laboratory results on the eleven (11) confirmation soil samples indicated constituent concentrations of TPH-GRO/DRO were detected, but were below NMOCD regulatory standards.

On 23 May 2005, three (3) confirmation soil samples were collected from the grid cells and analyzed for detectable concentrations of BTEX and TPH-GRO/DRO. Analytical results indicated that constituent concentrations of BTEX and TPH-GRO/DRO were below NMOCD regulatory standards for the three (3) soil samples with the exception of Grid Cell 3, which exceeded NMOCD regulatory standards for concentrations of TPH-GRO/DRO at 5870 mg/kg. Additional blending of Grid Cell 3 was accomplished and the laboratory results from the soil sample collected 14 June 2005 indicated that concentrations of BTEX were below laboratory method detection limits and detectable TPH-GRO/DRO concentrations were below NMOCD regulatory standards.

CLOSURE REQUEST

Approximately 600 cubic yards of impacted soil was excavated and stockpiled on-site resulting from the emergency response and excavation of the release point and flow path. Based on the analytical results, which indicated the native soils from the walls and floor of the excavation were below NMOCD regulatory standards, and the stockpiled material soil sample results for grid cells were below the 5000 mg/kg TPH concentration closure requirements, backfilling of the release point and flow path was initiated and completed in July 2005.

Based on the remedial activities conducted and laboratory results for the Langley Pump Station release site, Basin recommends Plains submit this report to the NMOCD and request closure of the Langley Pump Station release site in accordance with the *NMOCD Guidelines for Remediation of Leaks, Spills and Release, 1993*.

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this Preliminary Investigation Report and Work Plan 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 Plains Marketing, L.P.

DISTRIBUTION

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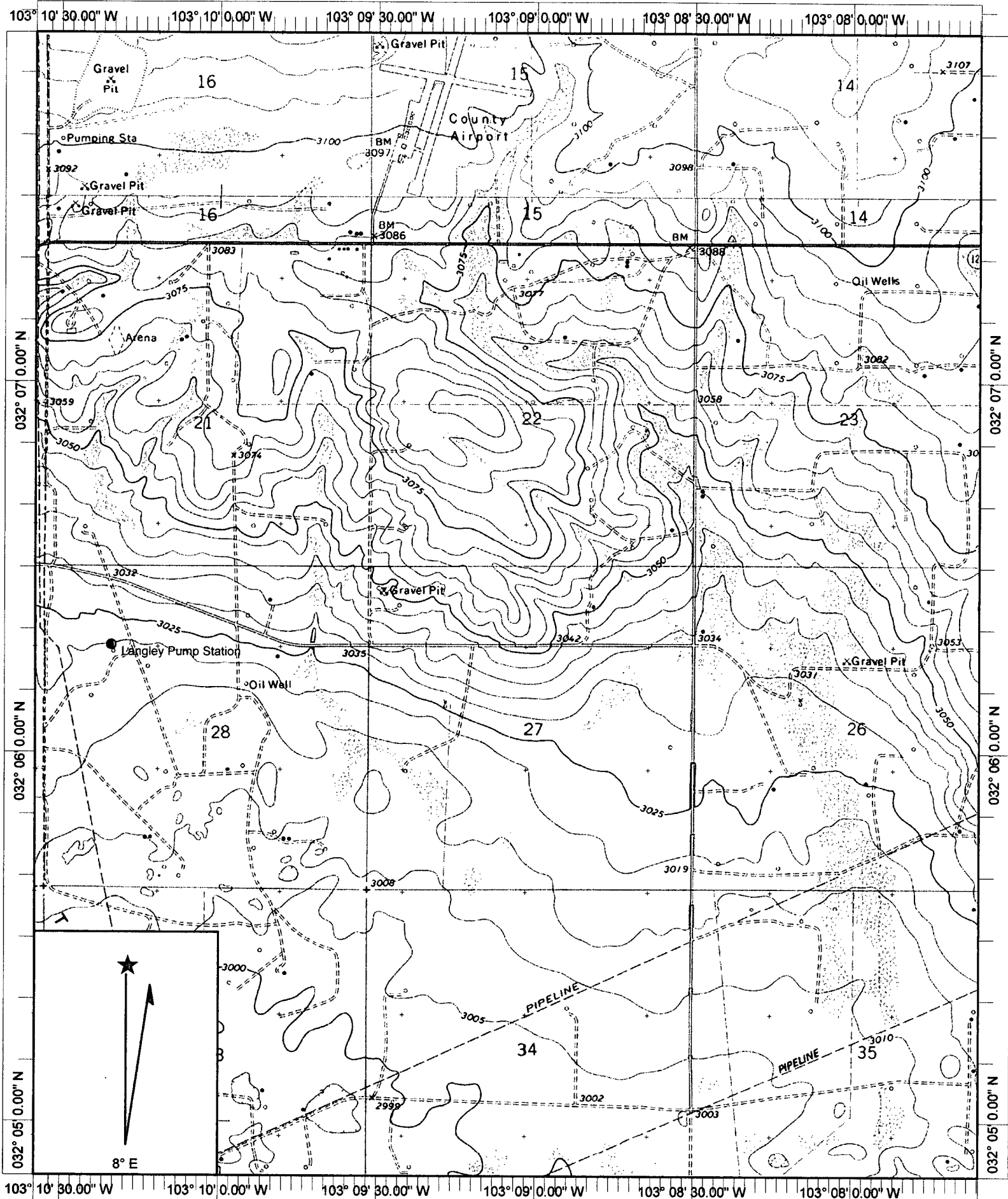
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TABLE 1

SOIL CHEMISTRY

PLAINS MARKETING, L.P.
 LANGLEY PUMP STATION
 LEA COUNTY, NEW MEXICO
 EMS: 2005-00079

SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030				METHOD: 8015M		TOTAL	300.0 CHLORIDE (mg/kg)	
			BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	M,P-XYLENES (mg/kg)	O-XYLENE (mg/kg)	GRO (mg/kg)			DRO (mg/kg)
Stockpile		04/12/05	0.062	2.11	4.33	13.2	5.72	3300	13000	16300	
Flowpath Road North	1' bgs	04/12/05	<0.025	<0.025	0.026	0.083	0.029	<10	32.5	32.5	
Flowpath North	1' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	75.7	1760	1840	
Flowpath North N/SW	1' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	190	190	
Flowpath Road South	1' bgs	04/12/05	<0.025	0.035	0.042	0.106	0.033	<10	44	44	
Flowpath Road Middle	1' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	12	12	
Flowpath North E/SW	1.5' bgs	04/12/05	<0.025	<0.025	0.04	0.113	0.044	265	2590	2860	
East Excv Bottom	3' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	166	166	79.8
East Excv E/SW	1.5' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	158	158	
East Excv N/SW	1.5' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	49	49	
East Excv W/SW	1.5' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	61.4	61.4	
East Excv S/Sw	1.5' bgs	04/12/05	<0.025	<0.025	<0.025	<0.025	<0.025	18.8	711	730	
Grid 1	1' bgs	05/23/05	<0.025	0.028	0.043	0.193	0.039	502	3830	4330	
Grid 2	1' bgs	05/23/05	<0.025	<0.025	<0.025	0.050	0.044	433	4120	4550	
Grid 3	1' bgs	05/23/05	<0.025	<0.025	<0.025	0.038	<0.025	541	5330	5870	
Grid 3	1' bgs	06/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	180	2660	2840	
NMOC D CRITERIA			10		TOTAL BTEX 50					5000	



Name: JAL
Date: 4/29/2006
Scale: 1 inch equals 2000 feet

Location: 032° 06' 23.80" N 103° 09' 05.37" W
Caption: Figure 1, Site Location Map
Plains Marketing, L. P.
Langley Pump Station



Plains Marketing, L. P.
Langley Pump Station Site
Lea County, New Mexico
SW/NW S28, T25S, R37E
Plains EMS: 2005-00079

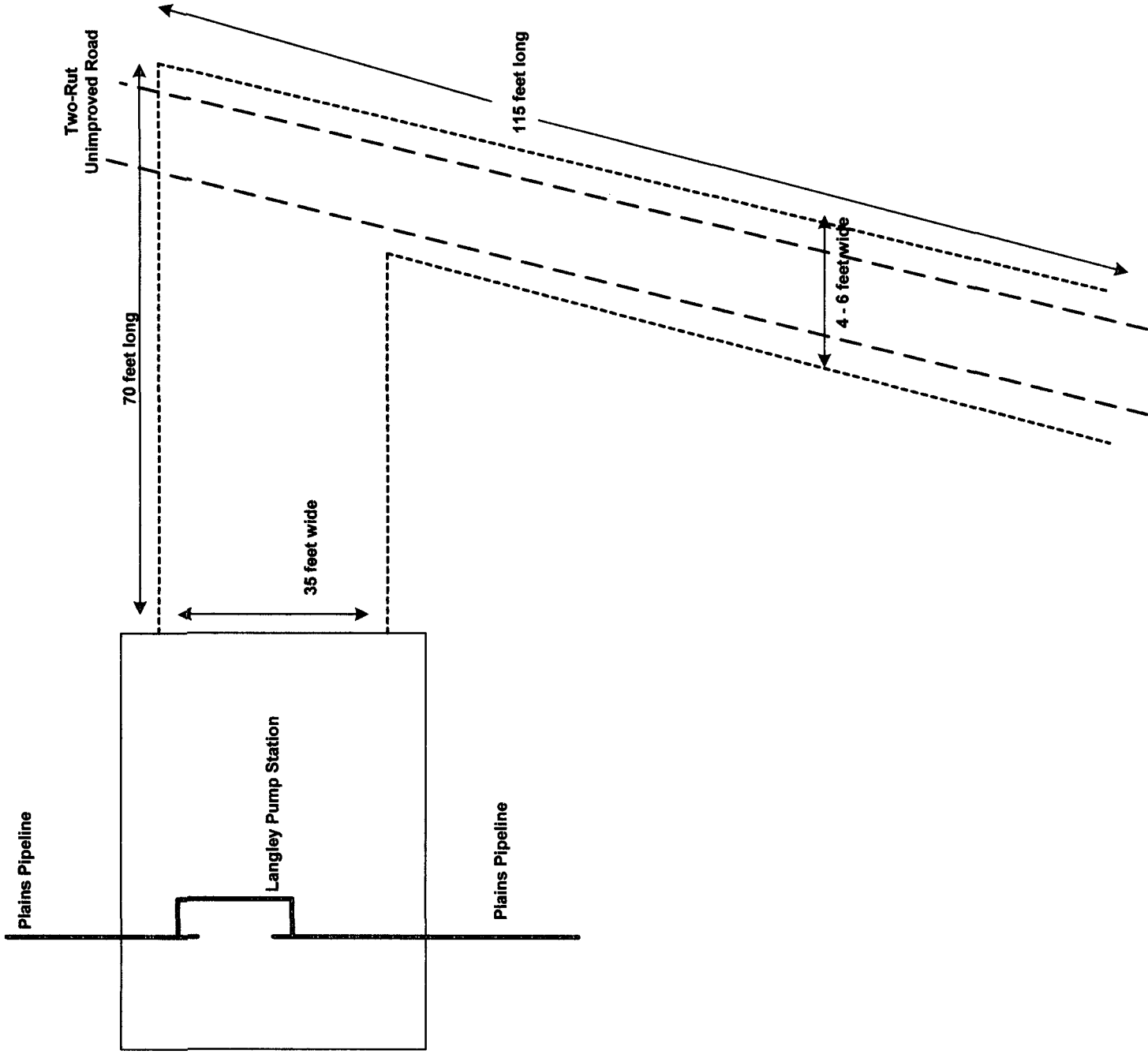
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Figure 2

Excavation Site Map

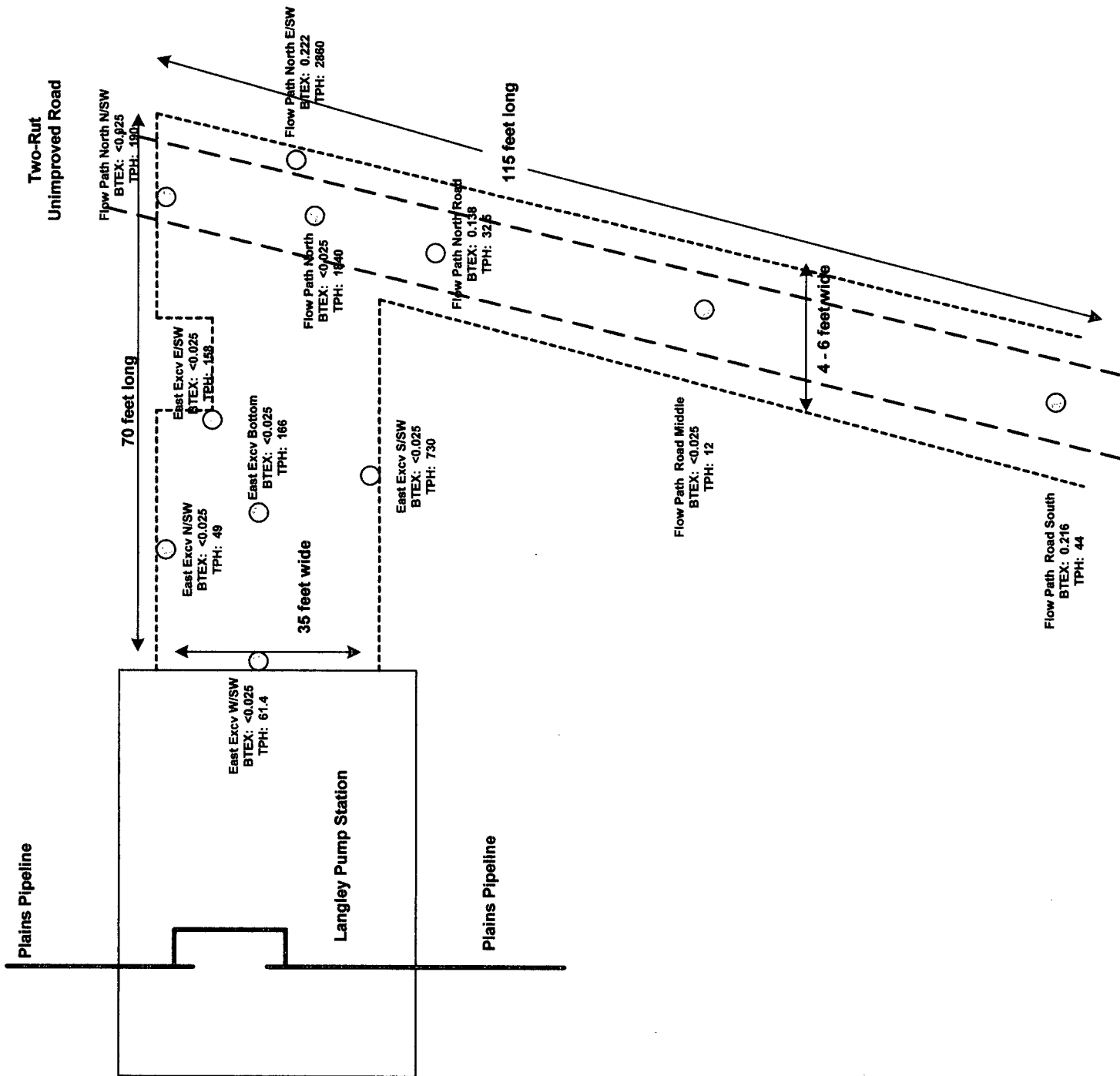
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Plains Marketing, L. P.
Langley Pump Station Site
Lea County, New Mexico
SW/NW S28, T25S, R37E
Plains EMS: 2005-00079



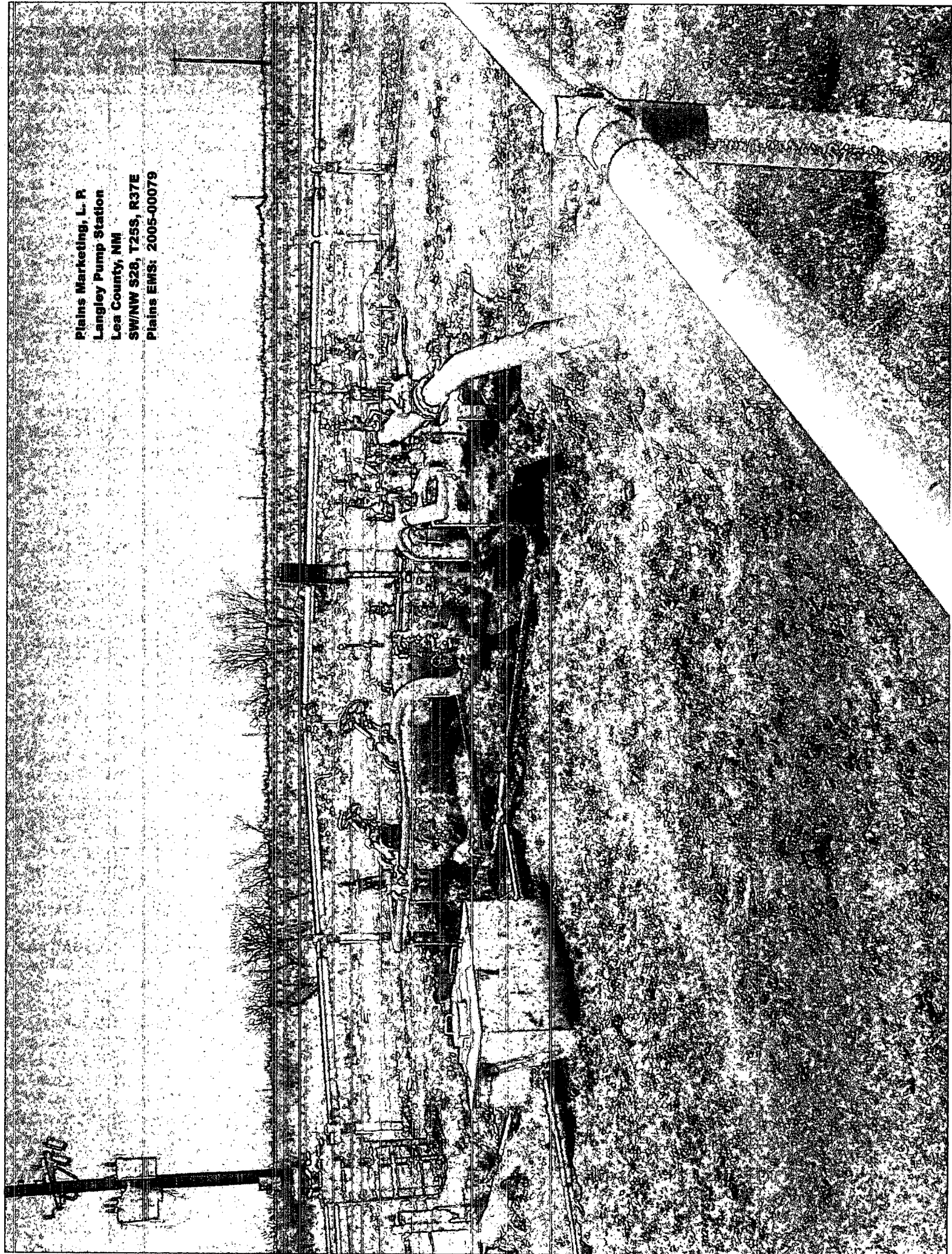
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Figure 3
Excavation Site Map- Soil Sampling
Locations

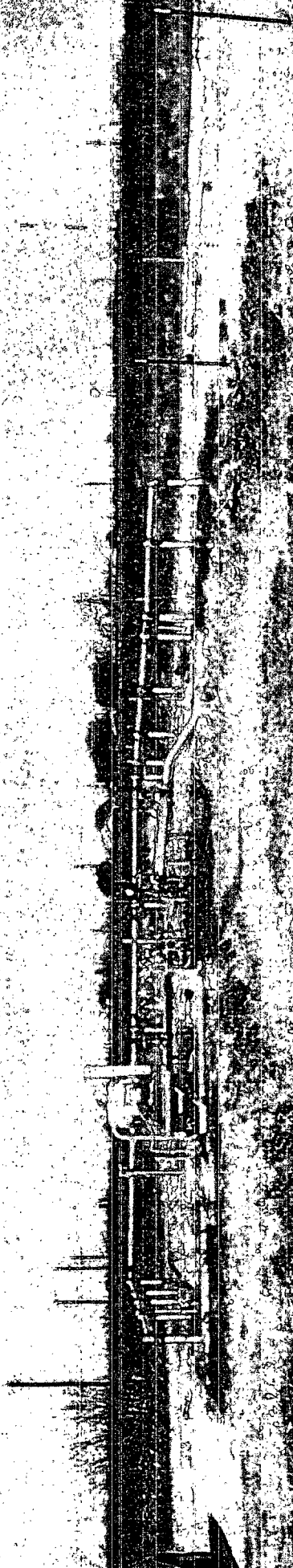
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Lea County, NM
SW/NW S28, T25S, R37E
Plains EMS: 2005-00079



New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 25S Range: 37E Sections: 28

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

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POD / SURFACE DATA REPORT 04/27/2006

(acre ft per annum)
DB File Nbr Use Diversion Owner

POD Number

(quarters are
(quarters are
Source

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 25S Range: 37E Sections: 25,26,27,28,29,30

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

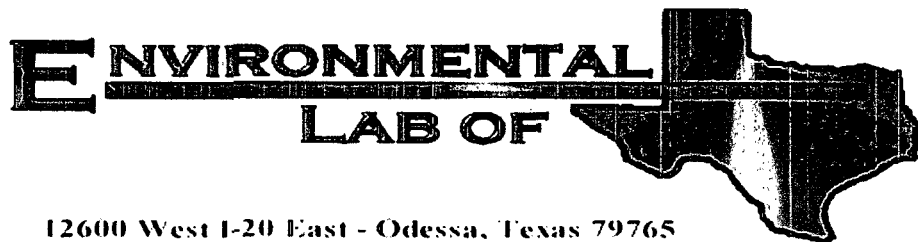
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AVERAGE DEPTH OF WATER REPORT 04/27/2006

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
CP	25S	37E	29				5	187	250	219

Record Count: 5



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Langley Station

Project Number: 2005-00079

Location: Lea Co., NM

Lab Order Number: 5F16005

Report Date: 06/17/05

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914
Reported:
06/17/05 18:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Grid 3	5F16005-01	Soil	06/14/05 12:15	06/16/05 14:00

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1301 S. County Road 1150
Midland TX, 79706-4476

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grid 3 (5F16005-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF51611	06/16/05	06/16/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		85.7 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	180	10.0	mg/kg dry	1	EF51606	06/16/05	06/17/05	EPA 8015M	
Diesel Range Organics >C12-C35	2660	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2840	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		75.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		104 %	70-130		"	"	"	"	

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grid 3 (SF16005-01) Soil									
% Moisture	3.0	0.1	%	1	EF51605	06/16/05	06/17/05	% calculation	

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF51606 - Solvent Extraction (GC)										
Blank (EF51606-BLK1)				Prepared & Analyzed: 06/16/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	65.0		"	50.0		130	70-130			
LCS (EF51606-BS1)				Prepared & Analyzed: 06/16/05						
Gasoline Range Organics C6-C12	457	10.0	mg/kg wet	500		91.4	75-125			
Diesel Range Organics >C12-C35	525	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	981	10.0	"	1000		98.1	75-125			
Surrogate: 1-Chlorooctane	59.9		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	64.9		"	50.0		130	70-130			
Calibration Check (EF51606-CCV1)				Prepared: 06/16/05 Analyzed: 06/17/05						
Gasoline Range Organics C6-C12	454		mg/kg	500		90.8	80-120			
Diesel Range Organics >C12-C35	504		"	500		101	80-120			
Total Hydrocarbon C6-C35	958		"	1000		95.8	80-120			
Surrogate: 1-Chlorooctane	65.0		"	50.0		130	70-130			
Surrogate: 1-Chlorooctadecane	63.4		"	50.0		127	70-130			
Matrix Spike (EF51606-MS1)				Source: 5F16003-02 Prepared: 06/16/05 Analyzed: 06/17/05						
Gasoline Range Organics C6-C12	595	10.0	mg/kg dry	574	ND	104	75-125			
Diesel Range Organics >C12-C35	647	10.0	"	574	ND	113	75-125			
Total Hydrocarbon C6-C35	1240	10.0	"	1150	ND	108	75-125			
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.6	70-130			
Surrogate: 1-Chlorooctadecane	45.9		"	50.0		91.8	70-130			
Matrix Spike Dup (EF51606-MSD1)				Source: 5F16003-02 Prepared: 06/16/05 Analyzed: 06/17/05						
Gasoline Range Organics C6-C12	578	10.0	mg/kg dry	574	ND	101	75-125	2.90	20	
Diesel Range Organics >C12-C35	632	10.0	"	574	ND	110	75-125	2.35	20	
Total Hydrocarbon C6-C35	1210	10.0	"	1150	ND	105	75-125	2.45	20	
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.8	70-130			
Surrogate: 1-Chlorooctadecane	45.9		"	50.0		91.8	70-130			

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06/17/05 18:12

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF51611 - EPA 5030C (GC)										
Blank (EF51611-BLK1)										
Prepared & Analyzed: 06/16/05										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	80.0		ug/kg	100		80.0	80-120			
Surrogate: 4-Bromofluorobenzene	101		"	100		101	80-120			
LCS (EF51611-BS1)										
Prepared & Analyzed: 06/16/05										
Benzene	97.3		ug/kg	100		97.3	80-120			
Toluene	95.8		"	100		95.8	80-120			
Ethylbenzene	95.1		"	100		95.1	80-120			
Xylene (p/m)	216		"	200		108	80-120			
Xylene (o)	102		"	100		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	96.3		"	100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	114		"	100		114	80-120			
Calibration Check (EF51611-CCV1)										
Prepared: 06/16/05 Analyzed: 06/17/05										
Benzene	101		ug/kg	100		101	80-120			
Toluene	97.3		"	100		97.3	80-120			
Ethylbenzene	89.4		"	100		89.4	80-120			
Xylene (p/m)	197		"	200		98.5	80-120			
Xylene (o)	90.0		"	100		90.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	102		"	100		102	80-120			
Surrogate: 4-Bromofluorobenzene	117		"	100		117	80-120			
Matrix Spike (EF51611-MS1)										
Source: 5F16006-10 Prepared: 06/16/05 Analyzed: 06/17/05										
Benzene	98.7		ug/kg	100	ND	98.7	80-120			
Toluene	94.7		"	100	ND	94.7	80-120			
Ethylbenzene	88.2		"	100	ND	88.2	80-120			
Xylene (p/m)	195		"	200	ND	97.5	80-120			
Xylene (o)	93.7		"	100	ND	93.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	91.1		"	100		91.1	80-120			
Surrogate: 4-Bromofluorobenzene	117		"	100		117	80-120			

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Reported:
06/17/05 18:12

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF51611 - EPA 5030C (GC)

Matrix Spike Dup (EF51611-MSD1)

Source: 5F16006-10

Prepared: 06/16/05 Analyzed: 06/17/05

Benzene	94.6		ug/kg	100	ND	94.6	80-120	4.24	20	
Toluene	91.8		"	100	ND	91.8	80-120	3.11	20	
Ethylbenzene	85.8		"	100	ND	85.8	80-120	2.76	20	
Xylene (p/m)	187		"	200	ND	93.5	80-120	4.19	20	
Xylene (o)	89.9		"	100	ND	89.9	80-120	4.14	20	
Surrogate: a,a,a-Trifluorotoluene	92.6		"	100		92.6	80-120			
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/17/05 18:12

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF51605 - General Preparation (Prep)

Blank (EF51605-BLK1)

Prepared & Analyzed: 06/16/05

% Moisture	ND	0.1	%
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Duplicate (EF51605-DUP1)

Source: 5F16001-01

Prepared & Analyzed: 06/16/05

% Moisture	9.8	0.1	%	10.1	3.02	20
------------	-----	-----	---	------	------	----

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

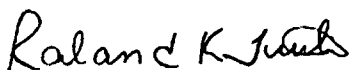
Fax: (432) 687-4914

Reported:
06/17/05 18:12

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

6/17/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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**112600 West I-20 East
Odessa, Texas 79763**
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Langley Station

Project #: EMIS# 2005-00079

Project Loc: LSA Co. NM

PO #: PAA / D. Bryant

Texas 79763

Project Manager: Ken Dutton

Company Name: Basin Environmental

Company Address: P.O. Box 301

City/State/Zip: Livingston NM 88260

Telephone No: (505) 441-2124

Facs No: (505) 396-1429

Sampler Signature: Tracy Blackwood

[illegible]

Special instructions:

Special Instructions:		Retrieved by:		Date	Time	Received by:		Date	Time	Sample Containers intact?		Temperature Upon Receipt		Laboratory Container:	
		[Signature]		01/15/05	8:15	[Signature]		01/15/05	8:15						
		[Signature]		01/15/05	14:00	[Signature]		01/15/05	14:00					10°C	

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Basin / Hains

Date/Time: 6/16/05 14:00

Order #: 5F16605

Initials: OK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	<u>LO</u> C
Shipping container/cooler in good condition?	<u>Yes</u>	No	
Custody Seals intact on shipping container/cooler?	<u>Yes</u>	No	Not present
Custody Seals intact on sample bottles?	<u>Yes</u>	No	Not present
Chain of custody present?	<u>Yes</u>	No	
Sample Instructions complete on Chain of Custody?	<u>Yes</u>	No	
Chain of Custody signed when relinquished and received?	<u>Yes</u>	No	
Chain of custody agrees with sample label(s)	<u>Yes</u>	No	
Container labels legible and intact?	<u>Yes</u>	No	
Sample Matrix and properties same as on chain of custody?	<u>Yes</u>	No	
Samples in proper container/bottle?	<u>Yes</u>	No	
Samples properly preserved?	<u>Yes</u>	No	
Sample bottles intact?	<u>Yes</u>	No	
Preservations documented on Chain of Custody?	<u>Yes</u>	No	
Containers documented on Chain of Custody?	<u>Yes</u>	No	
Sufficient sample amount for indicated test?	<u>Yes</u>	No	
All samples received within sufficient hold time?	<u>Yes</u>	No	
VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable

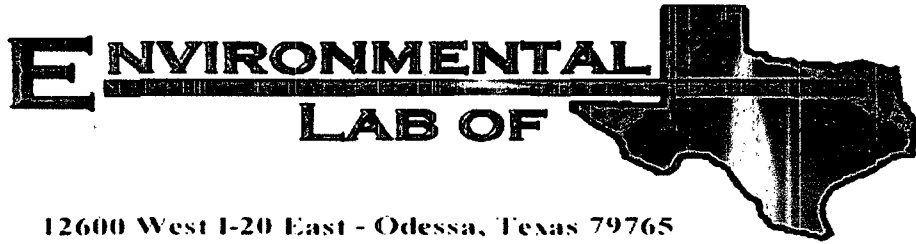
Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Langley Station

Project Number: 2005-00079

Location: Lea County, NM

Lab Order Number: 5E25004

Report Date: 06/01/05

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914
Reported:
06/01/05 11:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GRID 1	5E25004-01	Soil	05/23/05 11:40	05/25/05 11:25
GRID 2	5E25004-02	Soil	05/23/05 11:55	05/25/05 11:25
GRID 3	5E25004-03	Soil	05/23/05 12:15	05/25/05 11:25

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GRID 1 (5E25004-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE52705	05/27/05	05/27/05	EPA 8021B	
Toluene	0.0280	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0437	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.193	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0397	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.1 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	502	10.0	mg/kg dry	1	EE52514	05/25/05	05/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	3830	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	4330	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		88.8 %	70-130		"	"	"	"	
GRID 2 (5E25004-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE52705	05/27/05	05/27/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0243]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0501	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0448	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	433	10.0	mg/kg dry	1	EE52514	05/25/05	05/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	4120	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	4550	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.4 %	70-130		"	"	"	"	
GRID 3 (5E25004-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE52705	05/27/05	05/27/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0221]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0380	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0191]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		94.4 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.1 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	541	10.0	mg/kg dry	1	EE52514	05/25/05	05/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	5330	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	5870	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 9

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GRID 3 (5E25004-03) Soil									
Surrogate: 1-Chlorooctane		106 %	70-130		EE52514	05/25/05	05/28/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		111 %	70-130		"	"	"	"	

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GRID 1 (5E25004-01) Soil									
% Moisture	4.1	0.1	%	1	EE52601	05/25/05	05/26/05	% calculation	
GRID 2 (5E25004-02) Soil									
% Moisture	2.3	0.1	%	1	EE52601	05/25/05	05/26/05	% calculation	
GRID 3 (5E25004-03) Soil									
% Moisture	2.2	0.1	%	1	EE52601	05/25/05	05/26/05	% calculation	

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE52514 - Solvent Extraction (GC)										
Blank (EE52514-BLK1)				Prepared: 05/25/05 Analyzed: 05/28/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	38.8		mg/kg	50.0		77.6	70-130			
Surrogate: 1-Chlorooctadecane	41.9		"	50.0		83.8	70-130			
LCS (EE52514-BS1)				Prepared: 05/25/05 Analyzed: 05/28/05						
Gasoline Range Organics C6-C12	423	10.0	mg/kg wet	500		84.6	75-125			
Diesel Range Organics >C12-C35	596	10.0	"	500		119	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	41.2		mg/kg	50.0		82.4	70-130			
Surrogate: 1-Chlorooctadecane	40.1		"	50.0		80.2	70-130			
Calibration Check (EE52514-CCV1)				Prepared: 05/25/05 Analyzed: 05/27/05						
Gasoline Range Organics C6-C12	490		mg/kg	500		98.0	80-120			
Diesel Range Organics >C12-C35	575		"	500		115	80-120			
Total Hydrocarbon C6-C35	1070		"	1000		107	80-120			
Surrogate: 1-Chlorooctane	46.2		"	50.0		92.4	70-130			
Surrogate: 1-Chlorooctadecane	48.6		"	50.0		97.2	70-130			
Matrix Spike (EE52514-MS1)				Source: 5E27003-02	Prepared: 05/27/05 Analyzed: 05/28/05					
Gasoline Range Organics C6-C12	443	10.0	mg/kg dry	529	ND	83.7	75-125			
Diesel Range Organics >C12-C35	532	10.0	"	529	18.4	97.1	75-125			
Total Hydrocarbon C6-C35	976	10.0	"	1060	18.4	90.3	75-125			
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	70-130			
Surrogate: 1-Chlorooctadecane	42.5		"	50.0		85.0	70-130			
Matrix Spike Dup (EE52514-MSD1)				Source: 5E27003-02	Prepared: 05/27/05 Analyzed: 05/28/05					
Gasoline Range Organics C6-C12	450	10.0	mg/kg dry	529	ND	85.1	75-125	1.57	20	
Diesel Range Organics >C12-C35	545	10.0	"	529	18.4	99.5	75-125	2.41	20	
Total Hydrocarbon C6-C35	995	10.0	"	1060	18.4	92.1	75-125	1.93	20	
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	70-130			
Surrogate: 1-Chlorooctadecane	44.6		"	50.0		89.2	70-130			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE52705 - EPA 5030C (GC)										
Blank (EE52705-BLK1)										
Prepared & Analyzed: 05/27/05										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	91.1		ug/kg	100		91.1	80-120			
Surrogate: 4-Bromofluorobenzene	87.3		"	100		87.3	80-120			
LCS (EE52705-BS1)										
Prepared & Analyzed: 05/27/05										
Benzene	99.8		ug/kg	100		99.8	80-120			
Toluene	92.5		"	100		92.5	80-120			
Ethylbenzene	92.9		"	100		92.9	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	101		"	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	111		"	100		111	80-120			
Surrogate: 4-Bromofluorobenzene	120		"	100		120	80-120			
Calibration Check (EE52705-CCV1)										
Prepared & Analyzed: 05/27/05										
Benzene	97.9		ug/kg	100		97.9	80-120			
Toluene	88.0		"	100		88.0	80-120			
Ethylbenzene	83.3		"	100		83.3	80-120			
Xylene (p/m)	180		"	200		90.0	80-120			
Xylene (o)	84.1		"	100		84.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	106		"	100		106	80-120			
Surrogate: 4-Bromofluorobenzene	87.3		"	100		87.3	80-120			
Matrix Spike (EE52705-MS1)										
Source: 5E27003-04 Prepared & Analyzed: 05/27/05										
Benzene	97.1		ug/kg	100	ND	97.1	80-120			
Toluene	90.9		"	100	ND	90.9	80-120			
Ethylbenzene	89.6		"	100	ND	89.6	80-120			
Xylene (p/m)	196		"	200	ND	98.0	80-120			
Xylene (o)	91.3		"	100	ND	91.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	104		"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	101		"	100		101	80-120			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EE52705 - EPA 5030C (GC)

Matrix Spike Dup (EE52705-MSD1)

Source: 5E27003-04

Prepared & Analyzed: 05/27/05

Benzene	100		ug/kg	100	ND	100	80-120	2.94	20	
Toluene	93.1		"	100	ND	93.1	80-120	2.39	20	
Ethylbenzene	92.8		"	100	ND	92.8	80-120	3.51	20	
Xylene (p/m)	205		"	200	ND	102	80-120	4.00	20	
Xylene (o)	96.4		"	100	ND	96.4	80-120	5.43	20	
Surrogate: a,a,a-Trifluorotoluene	104		"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
06/01/05 11:01

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE52601 - General Preparation (Prep)										
Blank (EE52601-BLK1)										
					Prepared: 05/25/05 Analyzed: 05/26/05					
% Moisture	ND	0.1	%							
Duplicate (EE52601-DUP1)										
Source: 5E24008-01					Prepared: 05/25/05 Analyzed: 05/26/05					
% Moisture	27.8	0.1	%		27.4			1.45	20	

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Daniel Bryant

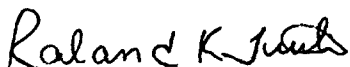
Fax: (432) 687-4914

Reported:
06/01/05 11:01

Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

6/1/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

**12800 West I-20 East
Odessa, Texas 79763**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Company Name:

Company Address:

City/State/Zip:

Telephone No.:

Sampler Signature:

Fax No: (505) 369-1429

KEN HUTTON

395TH FAV SVCS

2030201

WV TALKER W 88110

44-1-2124

10

[illegible]

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

Client: BAGEN ENV. SACS.
 Date/Time: 5/25/05 11:25
 Order #: 5E25004
 Initials: CK

Sample Receipt Checklist

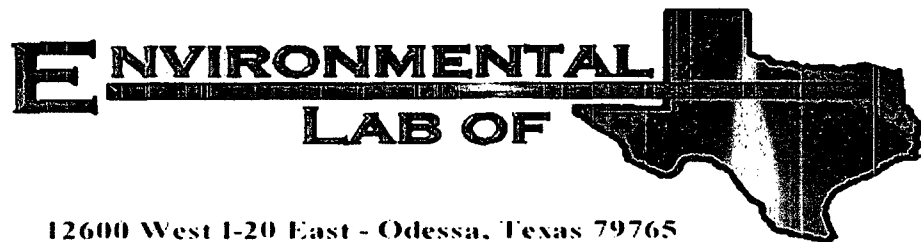
Temperature of container/cooler?	Yes	No	3.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<input checked="" type="checkbox"/> Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Langley Station

Project Number: 2005-00079

Location: Lea County, NM

Lab Order Number: 5D13007

Report Date: 04/20/05

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
04/20/05 17:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Stockpile	5D13007-01	Soil	04/12/05 10:15	04/13/05 14:04
Flowpath Road North	5D13007-02	Soil	04/12/05 10:30	04/13/05 14:04
Flowpath North	5D13007-03	Soil	04/12/05 10:45	04/13/05 14:04
Flowpath North N/SW	5D13007-04	Soil	04/12/05 10:55	04/13/05 14:04
Flowpath Road South	5D13007-05	Soil	04/12/05 11:15	04/13/05 14:04
Flowpath Road Middle	5D13007-06	Soil	04/12/05 11:30	04/13/05 14:04
Flowpath North E/SW	5D13007-07	Soil	04/12/05 11:45	04/13/05 14:04
East Excv Bottom	5D13007-08	Soil	04/12/05 12:00	04/13/05 14:04
East Excv E/SW	5D13007-09	Soil	04/12/05 12:15	04/13/05 14:04
East Excv N/SW	5D13007-10	Soil	04/12/05 12:30	04/13/05 14:04
East Excv W/SW	5D13007-11	Soil	04/12/05 12:45	04/13/05 14:04
East Excv S/SW	5D13007-12	Soil	04/12/05 13:00	04/13/05 14:04

Plains All American EH & S
1301 S. County Road 1150
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Project: Langley Station
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Project Manager: Camille Reynolds

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Reported:
04/20/05 17:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (5D13007-01) Soil									
Benzene	0.0627	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	2.11	0.0250	"	"	"	"	"	"	
Ethylbenzene	4.33	0.0250	"	"	"	"	"	"	
Xylene (p/m)	13.2	0.0250	"	"	"	"	"	"	
Xylene (o)	5.72	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		169 %	80-120		"	"	"	"	S-04
<i>Surrogate: 4-Bromofluorobenzene</i>		85.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	3300	50.0	mg/kg dry	5	ED51302	04/13/05	04/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	13000	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	16300	50.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		26.4 %	70-130		"	"	"	"	S-06
<i>Surrogate: 1-Chlorooctadecane</i>		18.3 %	70-130		"	"	"	"	S-06
Flowpath Road North (5D13007-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0268	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0833	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0298	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.0 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	J [9.31]	10.0	mg/kg dry	1	ED51302	04/13/05	04/13/05	EPA 8015M	J
Diesel Range Organics >C12-C35	32.5	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	32.5	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		83.0 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		87.2 %	70-130		"	"	"	"	
Flowpath North (5D13007-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		117 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.9 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	75.7	10.0	mg/kg dry	1	ED51302	04/13/05	04/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	1760	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1840	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 2 of 14

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
04/20/05 17:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Flowpath North (5D13007-03) Soil									
Surrogate: 1-Chlorooctane		81.8 %	70-130		ED51302	04/13/05	04/13/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		88.8 %	70-130		"	"	"	"	
Flowpath North N/SW (5D13007-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		118 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.4 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	J [6.24]	10.0	mg/kg dry	1	ED51302	04/13/05	04/13/05	EPA 8015M	J
Diesel Range Organics >C12-C35	190	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	190	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		85.2 %	70-130		"	"	"	"	
Flowpath Road South (5D13007-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		118 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.3 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	44.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	44.0	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.2 %	70-130		"	"	"	"	

Plains All American EH & S
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Reported:
04/20/05 17:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Flowpath Road Middle (5D13007-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	12.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	12.0	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		76.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		75.8 %	70-130		"	"	"	"	
Flowpath North E/SW (5D13007-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	J [0.0168]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0405	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.113	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0441	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		119 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.4 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	265	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	2590	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2860	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		85.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		92.2 %	70-130		"	"	"	"	
East Excv Bottom (5D13007-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		117 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	166	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	166	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
04/20/05 17:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Excv Bottom (5D13007-08) Soil									
Surrogate: 1-Chlorooctane		85.0 %	70-130		ED51312	04/13/05	04/14/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		88.4 %	70-130		"	"	"	"	
East Excv E/SW (5D13007-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		115 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	158	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	158	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		72.8 %	70-130		"	"	"	"	
East Excv N/SW (5D13007-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/15/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		107 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	49.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	49.0	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		71.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		74.2 %	70-130		"	"	"	"	

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Reported:
04/20/05 17:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Excv W/SW (5D13007-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		120 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	61.4	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	61.4	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		72.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		72.4 %	70-130		"	"	"	"	
East Excv S/SW (5D13007-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51501	04/14/05	04/14/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		118 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	18.8	10.0	mg/kg dry	1	ED51312	04/13/05	04/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	711	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	730	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		80.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		94.8 %	70-130		"	"	"	"	

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Project: Langley Station
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Reported:
04/20/05 17:44

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (5D13007-01) Soil									
% Moisture	3.1	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
Flowpath Road North (5D13007-02) Soil									
% Moisture	1.9	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
Flowpath North (5D13007-03) Soil									
% Moisture	0.6	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
Flowpath North N/SW (5D13007-04) Soil									
% Moisture	1.0	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
Flowpath Road South (5D13007-05) Soil									
% Moisture	4.4	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
Flowpath Road Middle (5D13007-06) Soil									
% Moisture	4.8	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
Flowpath North E/SW (5D13007-07) Soil									
% Moisture	0.8	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
East Excv Bottom (5D13007-08) Soil									
Chloride	79.8	20.0	mg/kg	40	ED52011	04/18/05	04/18/05	EPA 300.0	
% Moisture	3.8	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
East Excv E/SW (5D13007-09) Soil									
% Moisture	2.1	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
East Excv N/SW (5D13007-10) Soil									
% Moisture	2.2	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	

Environmental Lab of Texas

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04/20/05 17:44

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Excv W/SW (5D13007-11) Soil									
% Moisture	2.0	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	
East Excv S/SW (5D13007-12) Soil									
% Moisture	2.1	0.1	%	1	ED51404	04/13/05	04/14/05	% calculation	

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Reported:
04/20/05 17:44

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51302 - Solvent Extraction (GC)										
Blank (ED51302-BLK1)				Prepared: 04/13/05 Analyzed: 04/14/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	45.3		mg/kg	50.0		90.6	70-130			
Surrogate: 1-Chlorooctadecane	47.5		"	50.0		95.0	70-130			
LCS (ED51302-BS1)				Prepared & Analyzed: 04/13/05						
Gasoline Range Organics C6-C12	432	10.0	mg/kg wet	500		86.4	75-125			
Diesel Range Organics >C12-C35	469	10.0	"	500		93.8	75-125			
Total Hydrocarbon C6-C35	901	10.0	"	1000		90.1	75-125			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.4	70-130			
Surrogate: 1-Chlorooctadecane	43.9		"	50.0		87.8	70-130			
Calibration Check (ED51302-CCV1)				Prepared & Analyzed: 04/13/05						
Gasoline Range Organics C6-C12	465		mg/kg	500		93.0	80-120			
Diesel Range Organics >C12-C35	472		"	500		94.4	80-120			
Total Hydrocarbon C6-C35	937		"	1000		93.7	80-120			
Surrogate: 1-Chlorooctane	54.6		"	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	46.2		"	50.0		92.4	70-130			
Matrix Spike (ED51302-MS1)				Source: 5D12005-01	Prepared & Analyzed: 04/13/05					
Gasoline Range Organics C6-C12	538	10.0	mg/kg dry	586	ND	91.8	75-125			
Diesel Range Organics >C12-C35	615	10.0	"	586	ND	105	75-125			
Total Hydrocarbon C6-C35	1150	10.0	"	1170	ND	98.3	75-125			
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.4	70-130			
Surrogate: 1-Chlorooctadecane	42.5		"	50.0		85.0	70-130			
Matrix Spike Dup (ED51302-MSD1)				Source: 5D12005-01	Prepared & Analyzed: 04/13/05					
Gasoline Range Organics C6-C12	533	10.0	mg/kg dry	586	ND	91.0	75-125	0.934	20	
Diesel Range Organics >C12-C35	626	10.0	"	586	ND	107	75-125	1.77	20	
Total Hydrocarbon C6-C35	1160	10.0	"	1170	ND	99.1	75-125	0.866	20	
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.6	70-130			
Surrogate: 1-Chlorooctadecane	41.5		"	50.0		83.0	70-130			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Langley Station
Project Number: 2005-00079
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
04/20/05 17:44

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51312 - Solvent Extraction (GC)										
Blank (ED51312-BLK1)				Prepared: 04/13/05 Analyzed: 04/14/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	45.3		mg/kg	50.0		90.6	70-130			
Surrogate: 1-Chlorooctadecane	47.5		"	50.0		95.0	70-130			
LCS (ED51312-BS1)				Prepared & Analyzed: 04/13/05						
Gasoline Range Organics C6-C12	492	10.0	mg/kg wet	500		98.4	75-125			
Diesel Range Organics >C12-C35	458	10.0	"	500		91.6	75-125			
Total Hydrocarbon C6-C35	950	10.0	"	1000		95.0	75-125			
Surrogate: 1-Chlorooctane	44.2		mg/kg	50.0		88.4	70-130			
Surrogate: 1-Chlorooctadecane	43.5		"	50.0		87.0	70-130			
Calibration Check (ED51312-CCV1)				Prepared: 04/13/05 Analyzed: 04/14/05						
Gasoline Range Organics C6-C12	448		mg/kg	500		89.6	80-120			
Diesel Range Organics >C12-C35	508		"	500		102	80-120			
Total Hydrocarbon C6-C35	956		"	1000		95.6	80-120			
Surrogate: 1-Chlorooctane	56.5		"	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	51.7		"	50.0		103	70-130			
Matrix Spike (ED51312-MS1)				Source: 5D13007-05	Prepared: 04/13/05 Analyzed: 04/14/05					
Gasoline Range Organics C6-C12	485	10.0	mg/kg dry	523	ND	92.7	75-125			
Diesel Range Organics >C12-C35	540	10.0	"	523	44.0	94.8	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1050	44.0	93.9	75-125			
Surrogate: 1-Chlorooctane	49.8		mg/kg	50.0		99.6	70-130			
Surrogate: 1-Chlorooctadecane	45.2		"	50.0		90.4	70-130			
Matrix Spike Dup (ED51312-MSD1)				Source: 5D13007-05	Prepared: 04/13/05 Analyzed: 04/14/05					
Gasoline Range Organics C6-C12	486	10.0	mg/kg dry	523	ND	92.9	75-125	0.206	20	
Diesel Range Organics >C12-C35	544	10.0	"	523	44.0	95.6	75-125	0.738	20	
Total Hydrocarbon C6-C35	1030	10.0	"	1050	44.0	93.9	75-125	0.00	20	
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	46.7		"	50.0		93.4	70-130			

Plains All American EH & S
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Reported:
04/20/05 17:44

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51501 - EPA 5030C (GC)										
Blank (ED51501-BLK1)										
Prepared & Analyzed: 04/14/05										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	118		ug/kg	100		118	80-120			
Surrogate: 4-Bromofluorobenzene	92.8		"	100		92.8	80-120			
LCS (ED51501-BS1)										
Prepared & Analyzed: 04/14/05										
Benzene	104		ug/kg	100		104	80-120			
Toluene	110		"	100		110	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	237		"	200		118	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	115		"	100		115	80-120			
Surrogate: 4-Bromofluorobenzene	105		"	100		105	80-120			
Calibration Check (ED51501-CCV1)										
Prepared & Analyzed: 04/14/05										
Benzene	113		ug/kg	100		113	80-120			
Toluene	116		"	100		116	80-120			
Ethylbenzene	107		"	100		107	80-120			
Xylene (p/m)	236		"	200		118	80-120			
Xylene (o)	115		"	100		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	114		"	100		114	80-120			
Surrogate: 4-Bromofluorobenzene	88.3		"	100		88.3	80-120			
Matrix Spike (ED51501-MS1)										
Source: 5D13007-02 Prepared & Analyzed: 04/14/05										
Benzene	2450		ug/kg	2500	ND	98.0	80-120			
Toluene	2600		"	2500	ND	104	80-120			
Ethylbenzene	2760		"	2500	26.3	109	80-120			
Xylene (p/m)	5990		"	5000	81.7	118	80-120			
Xylene (o)	2990		"	2500	29.2	118	80-120			
Surrogate: a,a,a-Trifluorotoluene	111		"	100		111	80-120			
Surrogate: 4-Bromofluorobenzene	105		"	100		105	80-120			

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Fax: (432) 687-4914
Reported:
04/20/05 17:44

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch ED51501 - EPA 5030C (GC)

Matrix Spike Dup (ED51501-MSD1)

Source: 5D13007-02

Prepared & Analyzed: 04/14/05

Benzene	2570		ug/kg	2500	ND	103	80-120	4.98	20	
Toluene	2780		"	2500	ND	111	80-120	6.51	20	
Ethylbenzene	2920		"	2500	26.3	116	80-120	6.22	20	
Xylene (p/m)	6070		"	5000	81.7	120	80-120	1.68	20	
Xylene (o)	3000		"	2500	29.2	119	80-120	0.844	20	
Surrogate: a,a,a-Trifluorotoluene	117		"	100		117	80-120			
Surrogate: 4-Bromofluorobenzene	112		"	100		112	80-120			

Plains All American EH & S
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Project: Langley Station
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Reported:
04/20/05 17:44

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51404 - General Preparation (Prep)										
Blank (ED51404-BLK1)				Prepared: 04/13/05 Analyzed: 04/14/05						
% Moisture	ND	0.1	%							
Duplicate (ED51404-DUP1)				Source: 5D12004-01		Prepared: 04/13/05 Analyzed: 04/14/05				
% Moisture	6.8	0.1	%		8.2			18.7	20	
Batch ED52011 - Water Extraction										
Blank (ED52011-BLK1)				Prepared & Analyzed: 04/18/05						
Chloride	ND	0.500	mg/kg							
LCS (ED52011-BS1)				Prepared & Analyzed: 04/18/05						
Chloride	10.7		mg/L	10.0		107	80-120			
Calibration Check (ED52011-CCV1)				Prepared & Analyzed: 04/18/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Duplicate (ED52011-DUP1)				Source: 5D14016-05		Prepared & Analyzed: 04/18/05				
Chloride	30.8	5.00	mg/kg		35.9			15.3	20	

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Reported:
04/20/05 17:44

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

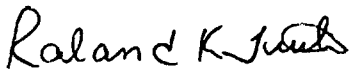
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/20/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

**12600 West I-20 East
Odessa, Texas 79763**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON

Company Name BASIN ENV SVCS

Company Address: P.O. Box 301

City/State/Zip: LOVINGTON, NM 88260

Telephone No: (505) 441-2124

Fax No: (505) 396-1429

Sampler Signature:

Ken Dutton

2062

Project Name: LANGLEY STATION

Project #: EMS: 2005-000709

Project Loc: LEA COUNTY NM

PO#: 299

[illegible]

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Plains P/L

Date/Time: 04-13-05 @ 1404

Order #: 5D13007

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	2,5	C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present	
Chain of custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Container labels legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:

Jeanne McMurrey

From: "Ken Dutton" <kdutton@basinenv.com>
To: "Jeanne" <jeanne@elabtexas.com>
Sent: Friday, April 15, 2005 4:18 PM
Attach: ATT00016.eml
Subject: Fw: Re: Langley Station

Jeanne:

The Plains EMS Number is 2005-00079.

thxs

Ken

-----Original Message-----

> From: "Ken Dutton" <kdutton@basinenv.com>

> Subject: Re: Langley Station

> Sent: 15 Apr 2005 14:15:52

>

> Jeanne:

>

> Concerning the Langley Station soil sampling COC:

>

> Please add a chloride analysis (EPA 300.1) on the East Excv Bottom soil sample,
collected 12 Apr 05, 1200 time sampled. This will result in three (3) analysis, BTEX, TPH
& Chloride on that one sample.

>

> Thxs

>

> Ken Dutton

> Basin Env Svcs

> (505) 441-2124

>

>

> -----Original Message-----

> > From: "Jeanne McMurrey" <jeanne@elabtexas.com>

> > Subject: Re: Langley Station

> > Sent: 14 Apr 2005 05:54:36

> >

> > Hi Ken,

4/15/2005

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 Pipeline, LP	Contact	Daniel Bryant
Address	3705 E Hwy 158 - Midland, Tx 79706	Telephone No.	(432) 558-5865
Facility Name	Langlie Station	Facility Type	Pipeline

Surface Owner	John M Owens	Mineral Owner		Lease No.	
---------------	--------------	---------------	--	-----------	--

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	28	25S	37E					Lea

Latitude 32° 06' 17.2" Longitude 103° 10' 21.9"

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	20 BBLS	Volume Recovered	10 BBLS
Source of Release	Strainer	Date and Hour of Occurrence	03/28/05 3:00 PM	Date and Hour of Discovery	03/28/05 4:00 PM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Message left on phone for Larry Johnson		
By Whom?	Daniel Bryant	Date and Hour	03/29/05 09:46 AM		
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.*

Internal Corrosion of Strainer - Strainer on pipeline pump replaced.

Station has a daily through-put of approximately 130 barrels. The incoming pressure is 80 lbs and the gravity of the sour crude is 28.9. The sour crude has an H₂S content of <10 ppm.

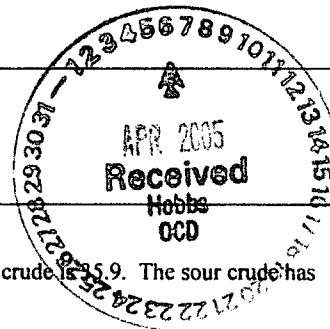
Describe Area Affected and Cleanup Action Taken.*

Area of spill is approximately 115' X 70'. Contaminated soil has been picked up and put on plastic.

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: <u>Daniel Bryant</u>		OIL CONSERVATION DIVISION	
Printed Name: Daniel M Bryant		Approved by District Supervisor:	
Title: Environmental R/C Specialist		Approval Date:	Expiration Date:
E-mail Address: dmbryant@paalp.com		Conditions of Approval:	
Date: 4/5/05 Phone: (432) 558-5865		Attached <input type="checkbox"/>	

Attach Additional Sheets If Necessary



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
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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	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	(432) 557-5865
Facility Name	Langley Pump Station	Facility Type	Pipeline
Surface Owner	John M. Owens	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	28	25S	37E					

Latitude 32° 06' 17.2" North Longitude 103° 10' 21.9"

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	20 barrels	Volume Recovered	10 barrels
Source of Release	Strainer	Date and Hour of Occurrence	28 March 2005 @ 1500	Date and Hour of Discovery	28 March 2005 @ 1600
Was Immediate Notice Given?	XX Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Larry Johnson (message left on phone)		
By Whom?	Daniel Bryant	Date and Hour	29 March 2005 @ 0946		
Was a Watercourse Reached?	<input type="checkbox"/> Yes XX <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of the strainer on pipeline pump resulted in a release of crude oil. A new strainer was installed to mitigate the release. Station has a daily through-put of approximately 130 barrels. The incoming pressure is 80 lbs and the gravity of crude is 35.9. The sour crude has an H2S of <10ppm.

Describe Area Affected and Cleanup Action Taken.* The crude oil release site was excavated; the impacted soil placed on a poly-liner adjacent to the excavation, confirmation soil samples were collected from the floor & walls of the excavation. Once the excavation confirmation soil samples were below NMOCD regulatory standards; the stockpiled soils were blended, confirmation soil samples collected, and the site was backfilled with the blended material and contoured to the original rangeland topography.

SEE ATTACHED BASIN ENVIRONMENTAL SERVICE TECHNOLOGIES REMEDIATION/CLOSURE REQUEST, DATED 27 APRIL 2006, WITH ATTACHMENTS FOR DETAILS OF REMEDIAL ACTIVITIES CONDUCTED.

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: <i>Daniel Bryant</i>	OIL CONSERVATION DIVISION	
Printed Name: Daniel M. Bryant	Approved by District Supervisor: <i>Paul Henry</i>	
Title: Remediation Coordinator	Approval Date: <u>5-3-06</u>	ENVIRONMENTAL ENGINEER
E-mail Address: dmbryant@paalp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 27 April 2006 Phone: (432) 557-5865		

* Attach Additional Sheets If Necessary