

Basin Environmental Service Technologies, LLC

P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com
Office: (505) 396-2378 Fax: (505) 396-1429



PRELIMINARY SITE INVESTIGATION REPORT and CLOSURE PLAN

RP# 911

**PLAINS MARKETING, L.P. (231735)
Chesapeake State 3 # 1
Lea County, New Mexico
Plains SRS # 2006-204
UNIT G (SW/NE), Section 12, Township 16 South, Range 36 East
Latitude 32°, 56', 16.4" North, Longitude 103°, 18', 22.5" West**

Prepared For:

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

Prepared By:

Basin Environmental Service Technologies, LLC

10 November 2006


Ken Dutton

Basin Environmental Service Technologies, LLC

application pPAC0616536507

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INTRODUCTION

Southwest Safety Specialists, responded to a transport truck crude oil release for Plains Marketing, L.P. (Plains), located at the Chesapeake State 3 # 1 Tank Battery caliche pad on 05 June 2006. The transport driver contained the truck crude oil release and excavation of the impacted caliche was initiated and stockpiled adjacent to the excavation. The Chesapeake State 3 # 1 is located on land owned by Mr. Robert Harris. Basin Environmental Service Technologies, LLC (Basin) will perform subsequent remedial activities at the request of Plains.

This site is located in Unit G (SW¼/NE¼) Section 12, Township 16 South, Range 36 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site latitude is 32°, 56', 16.4" North and site longitude is 103°, 18', 22.5" West. The site is characterized by an operational tank battery located in a pasture utilized for cattle grazing. The visible surface stained area includes the release point covering an area approximately 53 feet long by 40 feet wide. Approximately 49 barrels of crude oil were released from the crude oil release and 39 barrels were recovered.

An Emergency One-Call was initiated 05 June 2006 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Ms. Pat Caperton, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1, was verbally notified of the release on 05 June 2006. A C-141 form, dated 08 June 2006 was completed by Plains and submitted to the NMOCD, Hobbs, New Mexico Office (see Appendix C, NMOCD C-141).

NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) SOIL CLASSIFICATION

A search of the New Mexico State Engineers database revealed depth to groundwater for that section, township and range, to be an average of 73 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 10-19, which sets the remediation levels at:

| | |
|----------|----------|
| Benzene: | 10 ppm |
| BTEX: | 50 ppm |
| TPH: | 1000 ppm |

SUMMARY OF FIELD ACTIVITIES

Southwest Safety Specialists, responded to a transport truck crude oil release for Plains Marketing, L.P. (Plains), located at the Chesapeake State 3 # 1 Tank Battery caliche pad on 05 June 2006. The transport driver contained the truck crude oil release and excavation of the impacted caliche was initiated and stockpiled adjacent to the excavation.

On 15 June 2006, Basin mobilized to the Chesapeake State 3 # 1 Tank Battery and upon arrival at the site, initiated excavation of the release point and flow path areas located on the Chesapeake State 3 # 1 caliche pad, with the excavated caliche placed on a 6-mil poly-liner for future remedial action. The excavated area is approximately 53 feet long by 40 feet wide and ranges from approximately 1.5 feet to 3 feet below ground surface (bgs) (see Figure 2, Excavation Site Map). Approximately 180 cubic yards of impacted caliche was transported to the Plains Lea Station Land Farm (LSLF) by Basin, commensurate with remediation activities conducted by Southwest Safety Specialists.

On 21 June 2006, six (6) confirmation soil samples were collected from the floor and walls of the excavated area. The six (6) confirmation soil samples collected were field screened with a Photoionization Detector (PID), (see Figure 3, Excavation Site Map - Soil Sampling Locations) and were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO). Laboratory results of the six (6) confirmation soil samples indicated that constituent concentrations of BTEX and TPH-GRO/DRO were either below NMOCD regulatory standards or not detected above laboratory method detection limits, with the exception of the south floor soil sample, which exceeded NMOCD regulatory standards at 1520 mg/kg for TPH-GRO/DRO concentrations (see Table 1, Soil Chemistry Table). Based on the laboratory results, continued excavation of the south floor area was required.

Continued excavation of the south floor area was conducted and on 27 June 2006, one (1) confirmation soil sample was collected and analyzed for constituent concentrations of BTEX and TPH-GRO/DRO. Laboratory results indicated that BTEX concentrations were not detected above laboratory method detection limits. However, constituent concentrations of TPH-GRO/DRO were detected, but were below NMOCD regulatory standards and no further excavation was warranted.

DISTRIBUTION OF HYDROCARBONS IN THE UNSATURATED ZONE

The final dimensions of the excavation that includes the release point and flow path areas are approximately 53 feet long by 40 feet wide with depths ranging from approximately 1.5 feet to 3 feet bgs. Approximately 84 cubic yards of impacted caliche was stockpiled on-site commensurate with remediation activities conducted

by Basin. Approximately 180 cubic yards of impacted caliche was transported to the LSLF by Basin, which was excavated by Southwest Safety Specialists.

On 21 June 2006, six (6) confirmation soil samples were collected from the floor and walls of the excavation, ranging in depth from approximately 1.5 foot to 2 feet bgs; field screened with a PID and submitted for analysis. Laboratory data sheets and chain-of-custody forms are attached (Appendix B). Laboratory results indicated that constituent concentrations of BTEX were not detected above laboratory method detection limits for five (5) confirmation soil samples and the sixth confirmation soil sample was not analyzed for BTEX, due to exceeding NMOCD regulatory standards for concentrations of TPH-GRO/DRO. Laboratory results indicated that constituent concentrations of TPH-GRO/DRO were not detected above laboratory method detection limits for the east wall soil sample; however, the remaining five (5) confirmation soil samples exhibited detectable concentrations of TPH-GRO/DRO, but were below NMOCD regulatory standards, with the exception of the south floor soil sample at 1520 mg/kg, which exceeded NMOCD regulatory standards.

Continued excavation of the south floor area was conducted to a depth of approximately 3 feet bgs and a confirmation soil was collected on 27 June 2006 and analyzed for constituent concentrations of BTEX and TPH-GRO/DRO. Laboratory results indicated that BTEX concentrations were below laboratory method detection limits and TPH-GRO/DRO concentrations were below NMOCD regulatory standards at 36 mg/kg. Based on the laboratory results, no further excavation was warranted.

CLOSURE REQUEST

A permit (NMOCD Form C-138) was obtained from the NMOCD for the transporting the contaminated soils to LSLF. Approximately 264 cubic yards of impacted caliche was excavated and transported to the LSLF resulting from the emergency response and remediation activities conducted by Southwest Safety Specialists and Basin. Backfill material was obtained from Mr. Robert Harris and the excavation was contoured to match the original tank battery caliche pad grade.

Based on the remedial activities conducted at the Chesapeake State 3 # 1 release site, Plains requests that NMOCD consider this site as eligible for closure pursuant to *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (1993)*.

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this Preliminary Investigation Report and Remediation/Closure 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

- Copy 1: Jeff Dann
Plains All American
333 Clay Street
Suite 1600
Houston, Texas 77002
jpdann@paalp.com
- Copy 2: Daniel Bryant
Plains All American
P. O. Box 3119
Midland, Texas 79702
dmbryant@paalp.com
- Copy 3: Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240
Larry.Johnson@state.nm.us
- Copy 4: Brad Blevins
Chesapeake Energy Corporation
1616 West County Road
Hobbs, New Mexico 88240
- Copy 5: Basin Environmental Service Technologies LLC
P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com

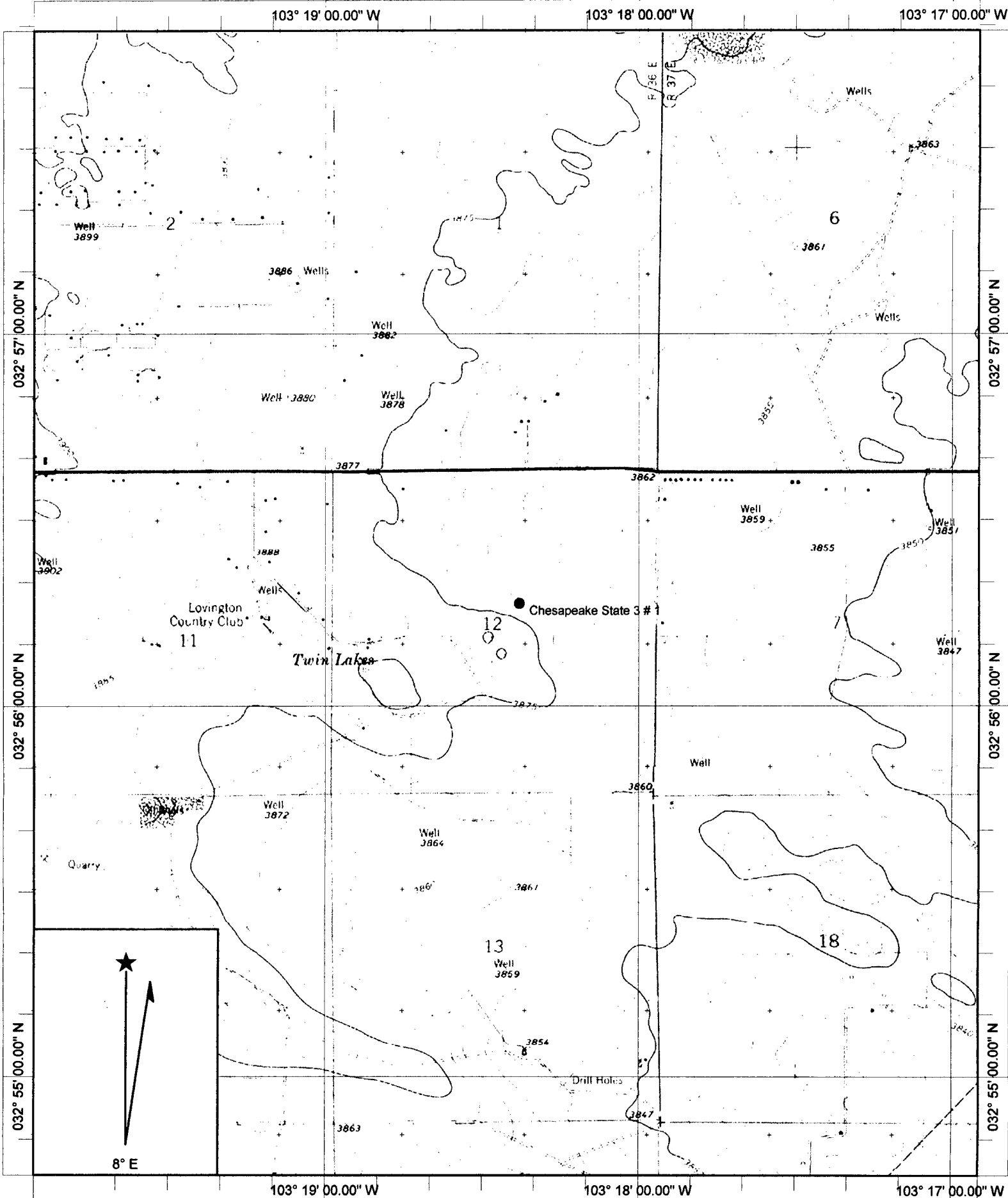
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TABLE 1

SOIL CHEMISTRY

PLAINS MARKETING, L.P.
CHESAPEAKE "3" #1
LEA COUNTY, NEW MEXICO
SRS: 2006-204

| SAMPLE LOCATION | SAMPLE DEPTH (Below normal surface grade) | SAMPLE DATE | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL CHLORIDES |
|-----------------|--|-------------|--------------------------------|---------------|---------------|-------------|----------|---------------|---------|---------|-----------------|
| | | | BENZENE | TOLUENE | ETHYL-BENZENE | M,P-XYLENES | O-XYLENE | GRO | DRO | TPH | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | |
| S. Wall | 1' bgs | 06/21/06 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <10 | 194 | 194 | |
| S. Floor | 2' bgs | 06/21/06 | | | | | | 23.9 | 1494 | 1520 | |
| W. Wall | 1' bgs | 06/21/06 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <10 | 45.1 | 45.1 | |
| N. Floor | 3' bgs | 06/21/06 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <10 | 259.7 | 260 | |
| E. Wall | 1.5' bgs | 06/21/06 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <10 | <10 | <10 | |
| N. Wall | 1.5' bgs | 06/21/06 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <10 | 229.3 | 229 | |
| | | | | | | | | | | | |
| South Floor | 3' bgs | 06/27/06 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <10 | 36.3 | 36.3 | |
| | | | | | | | | | | | |
| NMOCDCriteria | | | 10 | TOTAL BTEX 50 | | | | | | 1000 | |
| | | | | | | | | | | | |



Name: LOVINGTON
 Date: 11/11/2006
 Scale: 1 inch equals 2000 feet

Location: 032° 56' 16.69\" N 103° 18' 25.27\" W
 Caption: Figure 1, Site Location Map
 Plains Marketing, L. P.
 Chesapeake State 3 #1



Plains Marketing, L.P.
Chesapeake State 3 #1
SW/NE S12, T16S, R36E
Lea County, New Mexico
SRS: 2006-204

Caliche
Pad

Exc Flr
3 Feet
bgs

Chesapeake State 3 #1
Tank Battery

Berm

Fence

40 Feet Wide

53 Feet Long

Caliche
Pad

| | |
|----------|------------------------------|
| TITLE | Figure 2 |
| | Excavation Site Map |
| DRAWN BY | Basin Environmental Services |
| | kad |

Plains Marketing, L.P.
 Chesapeake State 3 # 1
 SW/NE S12, T16S, R36E
 Lea County, New Mexico
 SRS: 2006-204

Caliche
 Pad

Chesapeake State 3 # 1
 Tank Battery

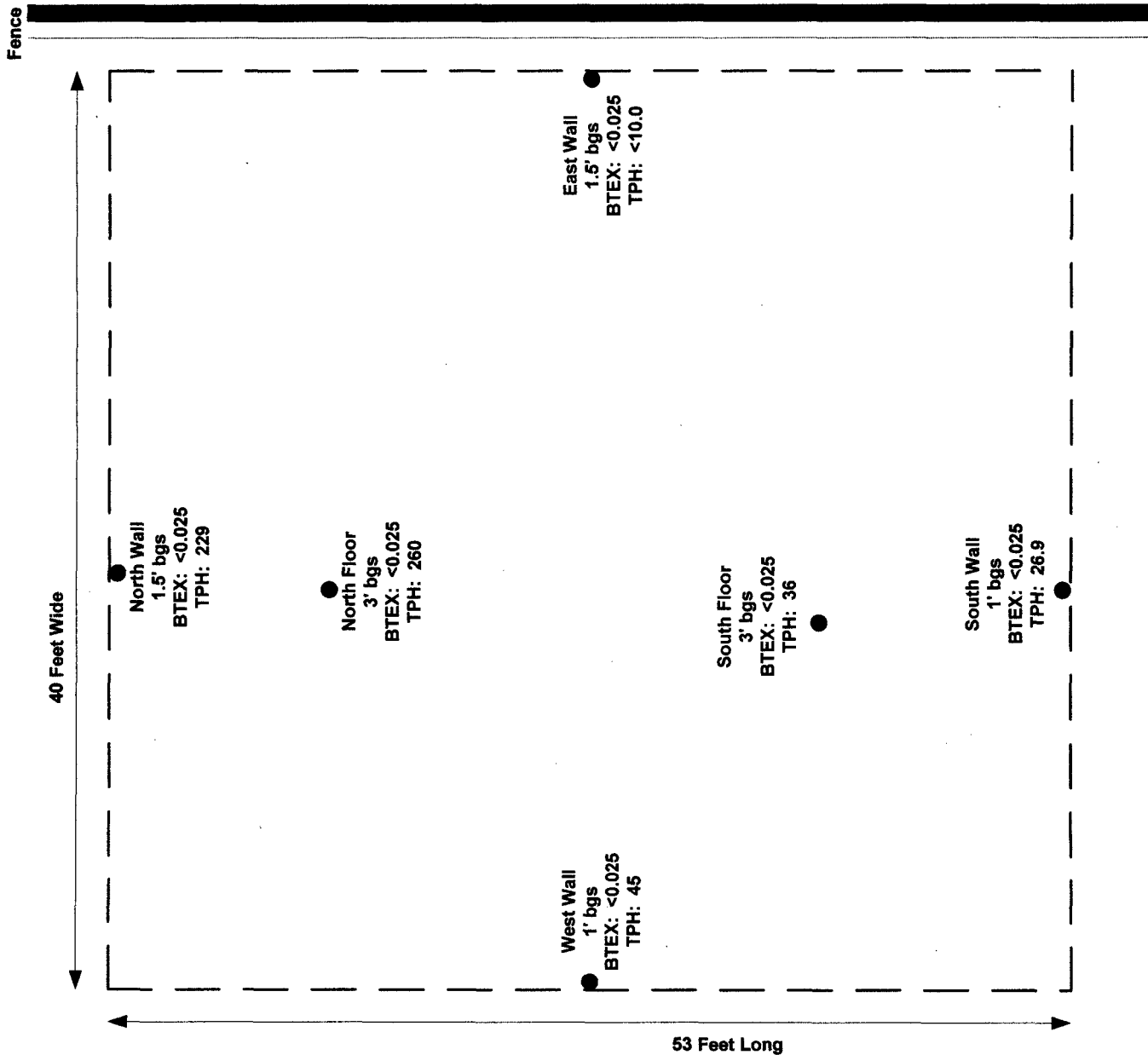
Berm

Legend

● Soil Sampling
 Location

Caliche
 Pad

| | |
|-------------------------------|------------------------------|
| TITLE | Figure 3 |
| Final Soil Sampling Locations | |
| DRAWN BY | Basin Environmental Services |
| | kad |





North

015 L.P.

015 L.P.

015 L.P.

015 L.P.

015 L.P.

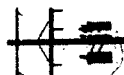
015 L.P.



Plains Marketing, L.P.
Chesapeake State 3 # 1
SW/NE S12, T16S, R36E
Lea County, NM
Plains SRS: 2006-204



North



← North

0

Plains Marketing, L.P.
Chesapeake State 3# 1
SW/NE S12, T16S, R36E
Lea County, NM
Plains FRS: 2006-204

Plains Marketing, L. P.
Chesapeake State 3 # 1
SW/NE S12, T18S, R36E
Lea County, NM
Plains SPS: 2006-204



New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 16S Range: 36E Sections: 12

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

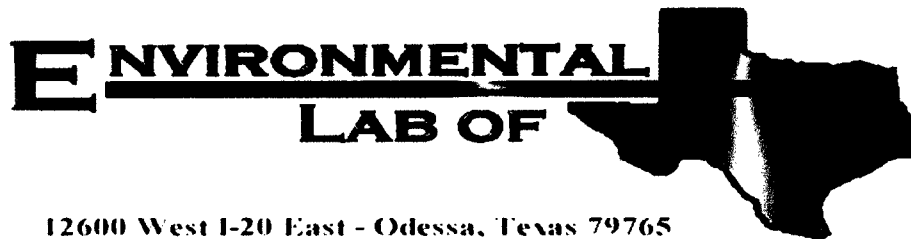
iWATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 06/16/2006

| Bsn | Tws | Rng | Sec | Zone | X | Y | Wells | (Depth Water in Feet) | | |
|-----|-----|-----|-----|------|---|---|-------|-----------------------|-----|-----|
| | | | | | | | | Min | Max | Avg |
| L | 16S | 36E | 12 | | | | 17 | 48 | 100 | 73 |

Record Count: 17



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: Chesapeake 3 #1

Project Number: EMS# 2006-204

Location: Lea Co., NM

Lab Order Number: 6F27014

Report Date: 06/28/06

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|----------------|
| South Flr. | 6F27014-01 | Soil | 06/27/06 10:52 | 06/27/06 15:45 |

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|-------------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| South Flr. (6F27014-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF62702 | 06/27/06 | 06/27/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 36.3 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 36.3 | 10.0 | " | " | " | " | " | " | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | | 71.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 70.2 % | 70-130 | | " | " | " | " | |

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|-------------|--------------------|----------|----------|----------------|-----------------|-----------------|----------------------|-------|
| South Flr. (6F27014-01) Soil | | | | | | | | | |
| % Moisture | 11.9 | 0.1 | % | 1 | EF62801 | 06/27/06 | 06/28/06 | % calculation | |

Environmental Lab of Texas

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Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Volatile Organic Compounds by EPA Method 8260B
Environmental Lab of Texas

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----------|-------|----------|----------|----------|-----------|--------|-------|
| | | Limit | | | | | | | | |
| South Flr. (6F27014-01) Soil | | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg dry | 25 | EF62723 | 06/27/06 | 06/27/06 | EPA 8260B | | |
| Toluene | ND | 25.0 | " | " | " | " | " | " | | |
| Ethylbenzene | ND | 25.0 | " | " | " | " | " | " | | |
| Xylene (p/m) | ND | 25.0 | " | " | " | " | " | " | | |
| Xylene (o) | ND | 25.0 | " | " | " | " | " | " | | |
| Surrogate: Dibromofluoromethane | | 111 % | 70-139 | | " | " | " | " | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 81.2 % | 52-149 | | " | " | " | " | | |
| Surrogate: Toluene-d8 | | 84.2 % | 76-125 | | " | " | " | " | | |
| Surrogate: 4-Bromofluorobenzene | | 71.8 % | 66-145 | | " | " | " | " | | |

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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 EF62702 - Solvent Extraction (GC)

Blank (EF62702-BLK1)

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 38.8 | | mg/kg | 50.0 | | 77.6 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |

LCS (EF62702-BS1)

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 495 | 10.0 | mg/kg wet | 500 | | 99.0 | 75-125 | | | |
| Carbon Ranges C12-C28 | 483 | 10.0 | " | 500 | | 96.6 | 75-125 | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | | | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 978 | 10.0 | " | 1000 | | 97.8 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 44.8 | | mg/kg | 50.0 | | 89.6 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 35.6 | | " | 50.0 | | 71.2 | 70-130 | | | |

Calibration Check (EF62702-CCV1)

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|-------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 224 | | mg/kg | 250 | | 89.6 | 80-120 | | | |
| Carbon Ranges C12-C28 | 272 | | " | 250 | | 109 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 496 | | " | 500 | | 99.2 | 80-120 | | | |
| Surrogate: 1-Chlorooctane | 49.3 | | " | 50.0 | | 98.6 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 44.6 | | " | 50.0 | | 89.2 | 70-130 | | | |

Matrix Spike (EF62702-MS1)

Source: 6F27008-01

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|------|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 525 | 10.0 | mg/kg dry | 534 | ND | 98.3 | 75-125 | | | |
| Carbon Ranges C12-C28 | 513 | 10.0 | " | 534 | 6.65 | 94.8 | 75-125 | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | ND | | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1040 | 10.0 | " | 1070 | ND | 97.2 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 44.1 | | mg/kg | 50.0 | | 88.2 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 36.9 | | " | 50.0 | | 73.8 | 70-130 | | | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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 EF62702 - Solvent Extraction (GC)

| Matrix Spike Dup (EF62702-MSD1) | | Source: 6F27008-01 | | | Prepared & Analyzed: 06/27/06 | | | | | |
|---------------------------------|------|--------------------|-----------|------|-------------------------------|------|--------|------|----|--|
| Carbon Ranges C6-C12 | 506 | 10.0 | mg/kg dry | 534 | ND | 94.8 | 75-125 | 3.69 | 20 | |
| Carbon Ranges C12-C28 | 497 | 10.0 | " | 534 | 6.65 | 91.8 | 75-125 | 3.17 | 20 | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | ND | | 75-125 | | 20 | |
| Total Hydrocarbon nC6-nC35 | 1000 | 10.0 | " | 1070 | ND | 93.5 | 75-125 | 3.92 | 20 | |
| Surrogate: 1-Chlorooctane | 42.6 | | mg/kg | 50.0 | | 85.2 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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 EF62801 - General Preparation (Prep)

Duplicate (EF62801-DUP1)

Source: 6F26010-01

Prepared: 06/27/06 Analyzed: 06/28/06

| | | | | | | | |
|----------|------|---|--|------|--|-------|----|
| % Solids | 97.5 | % | | 97.8 | | 0.307 | 20 |
|----------|------|---|--|------|--|-------|----|

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

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

Batch EF62723 - EPA 5030C (GCMS)

Blank (EF62723-BLK1)

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|----------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Benzene | ND | 25.0 | ug/kg wet | | | | | | | |
| Toluene | ND | 25.0 | " | | | | | | | |
| Ethylbenzene | ND | 25.0 | " | | | | | | | |
| Xylene (p/m) | ND | 25.0 | " | | | | | | | |
| Xylene (o) | ND | 25.0 | " | | | | | | | |
| Surrogate: Dibromofluoromethane | 51.0 | | ug/kg | 50.0 | | 102 | 70-139 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 41.1 | | " | 50.0 | | 82.2 | 52-149 | | | |
| Surrogate: Toluene-d8 | 41.8 | | " | 50.0 | | 83.6 | 76-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 34.7 | | " | 50.0 | | 69.4 | 66-145 | | | |

LCS (EF62723-BS1)

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|----------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Benzene | 560 | 25.0 | ug/kg wet | 625 | | 89.6 | 70-130 | | | |
| Toluene | 610 | 25.0 | " | 625 | | 97.6 | 70-130 | | | |
| Ethylbenzene | 636 | 25.0 | " | 625 | | 102 | 70-130 | | | |
| Xylene (p/m) | 1170 | 25.0 | " | 1250 | | 93.6 | 70-130 | | | |
| Xylene (o) | 616 | 25.0 | " | 625 | | 98.6 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 49.5 | | ug/kg | 50.0 | | 99.0 | 70-139 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 41.6 | | " | 50.0 | | 83.2 | 52-149 | | | |
| Surrogate: Toluene-d8 | 42.3 | | " | 50.0 | | 84.6 | 76-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 36.8 | | " | 50.0 | | 73.6 | 66-145 | | | |

Calibration Check (EF62723-CCV1)

Prepared & Analyzed: 06/27/06

| | | | | | | | | | | |
|----------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Toluene | 41.4 | | ug/kg | 50.0 | | 82.8 | 70-130 | | | |
| Ethylbenzene | 40.4 | | " | 50.0 | | 80.8 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 49.2 | | " | 50.0 | | 98.4 | 70-139 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 42.3 | | " | 50.0 | | 84.6 | 52-149 | | | |
| Surrogate: Toluene-d8 | 42.9 | | " | 50.0 | | 85.8 | 76-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 35.8 | | " | 50.0 | | 71.6 | 66-145 | | | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

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

Batch EF62723 - EPA 5030C (GCMS)

| Matrix Spike (EF62723-MS1) | | Source: 6F27014-01 | | Prepared & Analyzed: 06/27/06 | | | | | | |
|----------------------------------|------|--------------------|-----------|-------------------------------|----|------|--------|--|--|--|
| Benzene | 614 | 25.0 | ug/kg dry | 709 | ND | 86.6 | 70-130 | | | |
| Toluene | 677 | 25.0 | " | 709 | ND | 95.5 | 70-130 | | | |
| Ethylbenzene | 717 | 25.0 | " | 709 | ND | 101 | 70-130 | | | |
| Xylene (p/m) | 1310 | 25.0 | " | 1420 | ND | 92.3 | 70-130 | | | |
| Xylene (o) | 691 | 25.0 | " | 709 | ND | 97.5 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 48.4 | | ug/kg | 50.0 | | 96.8 | 70-139 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 40.2 | | " | 50.0 | | 80.4 | 52-149 | | | |
| Surrogate: Toluene-d8 | 41.7 | | " | 50.0 | | 83.4 | 76-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 36.8 | | " | 50.0 | | 73.6 | 66-145 | | | |

| Matrix Spike Dup (EF62723-MSD1) | | Source: 6F27014-01 | | Prepared & Analyzed: 06/27/06 | | | | | | |
|----------------------------------|------|--------------------|-----------|-------------------------------|----|------|--------|-------|----|--|
| Benzene | 609 | 25.0 | ug/kg dry | 709 | ND | 85.9 | 70-130 | 0.812 | 20 | |
| Toluene | 672 | 25.0 | " | 709 | ND | 94.8 | 70-130 | 0.736 | 20 | |
| Ethylbenzene | 711 | 25.0 | " | 709 | ND | 100 | 70-130 | 0.995 | 20 | |
| Xylene (p/m) | 1310 | 25.0 | " | 1420 | ND | 92.3 | 70-130 | 0.00 | 20 | |
| Xylene (o) | 693 | 25.0 | " | 709 | ND | 97.7 | 70-130 | 0.205 | 20 | |
| Surrogate: Dibromofluoromethane | 48.0 | | ug/kg | 50.0 | | 96.0 | 70-139 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 41.0 | | " | 50.0 | | 82.0 | 52-149 | | | |
| Surrogate: Toluene-d8 | 42.0 | | " | 50.0 | | 84.0 | 76-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 36.9 | | " | 50.0 | | 73.8 | 66-145 | | | |

Environmental Lab of Texas

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

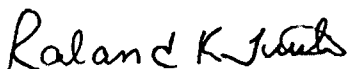
Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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:

6/28/2006

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

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

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Ken Sutton

Company Name Basin Environmental Service Technologies, LLC

DO Box 301

City/State/Zip: Lowinson, NM 88240

Telephone No: 505) 441-2124

Fax No: 505) 396-1429

Signature: Lydia Blackwood

Chesapeake 3" #1

Project #: EMS# 2004-204

Project Loc: Lys Co. N.M.

PO#: PAF C. Reynolds

S. Parent

[illegible]

Special instructions:

Hold for DEX Analysis

Relinquished by:

| Date | Time |
|------|------|
|------|------|

Received by:

Relinquished by:

| Date | Time |
|------|------|
|------|------|

Received by ELDT.

Date _____ Time _____

Time

| Date | Time |
|------|------|
|------|------|

| Date | Time |
|------|------|
|------|------|

Sample Containers Intact?

Temperature Upon Receipt

Laboratory Comments:

5

462-glass

✓ label 3 seals

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Plains

Date/Time: 6/27/00

Order #: 6F27014

Initials: CK

Sample Receipt Checklist

| | | | | |
|---|-------------------------------------|----|----------------|---|
| Temperature of container/cooler? | Yes | No | 2.5 | C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | | |
| Custody Seals intact on shipping container/cooler? | <input checked="" type="checkbox"/> | No | Not present | |
| Custody Seals intact on sample bottles? | <input checked="" type="checkbox"/> | No | Not present | |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | | |
| Container labels legible and intact? | <input checked="" type="checkbox"/> | No | | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable | |

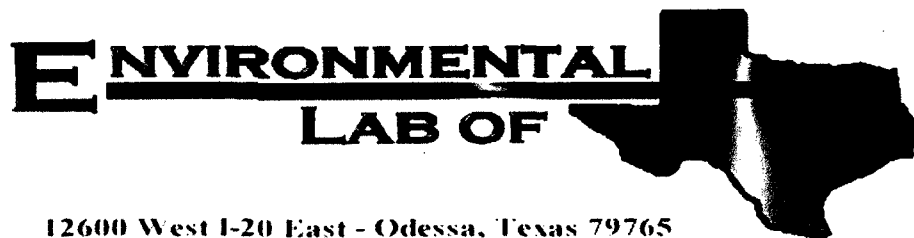
Other observations:

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: Chesapeake 3 #1

Project Number: EMS# 2006-204

Location: Lea Co., NM

Lab Order Number: 6F21011

Report Date: 06/26/06

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| S. Wall | 6F21011-01 | Soil | 06/21/06 08:31 | 06/21/06 16:15 |
| S. Floor | 6F21011-02 | Soil | 06/21/06 08:34 | 06/21/06 16:15 |
| W. Wall | 6F21011-03 | Soil | 06/21/06 08:39 | 06/21/06 16:15 |
| N. Floor | 6F21011-04 | Soil | 06/21/06 08:42 | 06/21/06 16:15 |
| E. Wall | 6F21011-05 | Soil | 06/21/06 08:51 | 06/21/06 16:15 |
| N. Wall | 6F21011-06 | Soil | 06/21/06 08:57 | 06/21/06 16:15 |

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|----------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| S. Wall (6F21011-01) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EF62330 | 06/23/06 | 06/23/06 | 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 | | 94.5 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 87.5 % | 80-120 | | " | " | " | " | |
| Carbon Ranges C6-C12 | J [5.75] | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | J |
| Carbon Ranges C12-C28 | 182 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 12.3 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 194 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 71.4 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 71.4 % | 70-130 | | " | " | " | " | |
| S. Floor (6F21011-02) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 23.9 | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 1350 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 144 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1520 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 76.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 92.8 % | 70-130 | | " | " | " | " | |
| W. Wall (6F21011-03) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EF62330 | 06/23/06 | 06/23/06 | 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 | | 91.8 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 91.0 % | 80-120 | | " | " | " | " | |
| Carbon Ranges C6-C12 | J [5.31] | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | J |
| Carbon Ranges C12-C28 | 45.1 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 45.1 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 77.4 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 79.4 % | 70-130 | | " | " | " | " | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|----------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| N. Floor (6F21011-04) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EF62330 | 06/23/06 | 06/23/06 | 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 | | 105 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 80-120 | | " | " | " | " | |
| Carbon Ranges C6-C12 | J [6.56] | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | J |
| Carbon Ranges C12-C28 | 243 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 16.7 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 260 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 77.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 80.8 % | 70-130 | | " | " | " | " | |
| E. Wall (6F21011-05) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EF62330 | 06/23/06 | 06/23/06 | 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 | | 102 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 80-120 | | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 81.4 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 81.8 % | 70-130 | | " | " | " | " | |
| N. Wall (6F21011-06) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EF62330 | 06/23/06 | 06/23/06 | 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 | | 100 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.0 % | 80-120 | | " | " | " | " | |
| Carbon Ranges C6-C12 | J [6.85] | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | J |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------------|-------------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| N. Wall (6F21011-06) Soil | | | | | | | | | |
| Carbon Ranges C12-C28 | 219 | 10.0 | mg/kg dry | 1 | EF62125 | 06/21/06 | 06/22/06 | EPA 8015M | |
| Carbon Ranges C28-C35 | 10.3 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 229 | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 74.4 % | 70-130 | | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 75.4 % | 70-130 | | " | " | " | " | |

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| S. Wall (6F21011-01) Soil | | | | | | | | | |
| % Moisture | 6.8 | 0.1 | % | 1 | EF62202 | 06/21/06 | 06/22/06 | % calculation | |
| S. Floor (6F21011-02) Soil | | | | | | | | | |
| % Moisture | 1.3 | 0.1 | % | 1 | EF62202 | 06/21/06 | 06/22/06 | % calculation | |
| W. Wall (6F21011-03) Soil | | | | | | | | | |
| % Moisture | 2.2 | 0.1 | % | 1 | EF62202 | 06/21/06 | 06/22/06 | % calculation | |
| N. Floor (6F21011-04) Soil | | | | | | | | | |
| % Moisture | 8.6 | 0.1 | % | 1 | EF62202 | 06/21/06 | 06/22/06 | % calculation | |
| E. Wall (6F21011-05) Soil | | | | | | | | | |
| % Moisture | 8.9 | 0.1 | % | 1 | EF62202 | 06/21/06 | 06/22/06 | % calculation | |
| N. Wall (6F21011-06) Soil | | | | | | | | | |
| % Moisture | 5.0 | 0.1 | % | 1 | EF62202 | 06/21/06 | 06/22/06 | % calculation | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|--------------------|--------------------|---------------------------------------|---------------------------------------|----------------|--------|--------------|-------|
| Batch EF62125 - Solvent Extraction (GC) | | | | | | | | | |
| Blank (EF62125-BLK1) | | | | | | | | | |
| | | | | Prepared: 06/21/06 Analyzed: 06/22/06 | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | |
| Surrogate: 1-Chlorooctane | 52.5 | | mg/kg | 50.0 | | 105 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 50.7 | | " | 50.0 | | 101 | 70-130 | | |
| LCS (EF62125-BS1) | | | | | | | | | |
| | | | | Prepared: 06/21/06 Analyzed: 06/22/06 | | | | | |
| Carbon Ranges C6-C12 | 472 | 10.0 | mg/kg wet | 500 | | 94.4 | 75-125 | | |
| Carbon Ranges C12-C28 | 469 | 10.0 | " | 500 | | 93.8 | 75-125 | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | | | 75-125 | | |
| Total Hydrocarbon nC6-nC35 | 941 | 10.0 | " | 1000 | | 94.1 | 75-125 | | |
| Surrogate: 1-Chlorooctane | 41.7 | | mg/kg | 50.0 | | 83.4 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 35.0 | | " | 50.0 | | 70.0 | 70-130 | | |
| Calibration Check (EF62125-CCV1) | | | | | | | | | |
| | | | | Prepared: 06/21/06 Analyzed: 06/22/06 | | | | | |
| Carbon Ranges C6-C12 | 233 | | mg/kg | 250 | | 93.2 | 80-120 | | |
| Carbon Ranges C12-C28 | 276 | | " | 250 | | 110 | 80-120 | | |
| Total Hydrocarbon nC6-nC35 | 509 | | " | 500 | | 102 | 80-120 | | |
| Surrogate: 1-Chlorooctane | 45.1 | | " | 50.0 | | 90.2 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 40.4 | | " | 50.0 | | 80.8 | 70-130 | | |
| Matrix Spike (EF62125-MS1) | | | | | | | | | |
| | | | Source: 6F21011-01 | | Prepared: 06/21/06 Analyzed: 06/22/06 | | | | |
| Carbon Ranges C6-C12 | 516 | 10.0 | mg/kg dry | 536 | 5.75 | 95.2 | 75-125 | | |
| Carbon Ranges C12-C28 | 714 | 10.0 | " | 536 | 182 | 99.3 | 75-125 | | |
| Carbon Ranges C28-C35 | 21.8 | 10.0 | " | 0.00 | 12.3 | | 75-125 | | |
| Total Hydrocarbon nC6-nC35 | 1250 | 10.0 | " | 1070 | 194 | 98.7 | 75-125 | | |
| Surrogate: 1-Chlorooctane | 43.9 | | mg/kg | 50.0 | | 87.8 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 41.1 | | " | 50.0 | | 82.2 | 70-130 | | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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 EF62125 - Solvent Extraction (GC)

Matrix Spike Dup (EF62125-MSD1)

Source: 6F21011-01

Prepared: 06/21/06 Analyzed: 06/22/06

| | | | | | | | | | |
|-------------------------------|------|------|-----------|------|------|------|--------|-------|----|
| Carbon Ranges C6-C12 | 519 | 10.0 | mg/kg dry | 536 | 5.75 | 95.8 | 75-125 | 0.580 | 20 |
| Carbon Ranges C12-C28 | 718 | 10.0 | " | 536 | 182 | 100 | 75-125 | 0.559 | 20 |
| Carbon Ranges C28-C35 | 25.8 | 10.0 | " | 0.00 | 12.3 | | 75-125 | 16.8 | 20 |
| Total Hydrocarbon nC6-nC35 | 1260 | 10.0 | " | 1070 | 194 | 99.6 | 75-125 | 0.797 | 20 |
| Surrogate: 1-Chlorooctane | 40.4 | | mg/kg | 50.0 | | 80.8 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 36.1 | | " | 50.0 | | 72.2 | 70-130 | | |

Batch EF62330 - EPA 5030C (GC)

Blank (EF62330-BLK1)

Prepared & Analyzed: 06/23/06

| | | | | | | | | | |
|-----------------------------------|------|--------|-----------|------|--|------|--------|--|--|
| 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 | 39.3 | | ug/kg | 40.0 | | 98.2 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 39.0 | | " | 40.0 | | 97.5 | 80-120 | | |

LCS (EF62330-BS1)

Prepared & Analyzed: 06/23/06

| | | | | | | | | | |
|-----------------------------------|------|--------|-----------|------|--|------|--------|--|--|
| Benzene | 1.36 | 0.0250 | mg/kg wet | 1.25 | | 109 | 80-120 | | |
| Toluene | 1.36 | 0.0250 | " | 1.25 | | 109 | 80-120 | | |
| Ethylbenzene | 1.28 | 0.0250 | " | 1.25 | | 102 | 80-120 | | |
| Xylene (p/m) | 2.85 | 0.0250 | " | 2.50 | | 114 | 80-120 | | |
| Xylene (o) | 1.41 | 0.0250 | " | 1.25 | | 113 | 80-120 | | |
| Surrogate: a,a,a-Trifluorotoluene | 38.9 | | ug/kg | 40.0 | | 97.2 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 43.7 | | " | 40.0 | | 109 | 80-120 | | |

Environmental Lab of Texas

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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 EF62330 - EPA 5030C (GC)

Calibration Check (EF62330-CCV1)

Prepared: 06/23/06 Analyzed: 06/24/06

| | | | | | | | | | | |
|-----------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Benzene | 51.5 | | ug/kg | 50.0 | | 103 | 80-120 | | | |
| Toluene | 49.4 | | " | 50.0 | | 98.8 | 80-120 | | | |
| Ethylbenzene | 48.9 | | " | 50.0 | | 97.8 | 80-120 | | | |
| Xylene (p/m) | 96.5 | | " | 100 | | 96.5 | 80-120 | | | |
| Xylene (o) | 50.5 | | " | 50.0 | | 101 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 34.2 | | " | 40.0 | | 85.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.1 | | " | 40.0 | | 97.8 | 80-120 | | | |

Matrix Spike (EF62330-MS1)

Source: 6F21011-01

Prepared & Analyzed: 06/23/06

| | | | | | | | | | | |
|-----------------------------------|------|--------|-----------|------|----|------|--------|--|--|--|
| Benzene | 1.48 | 0.0250 | mg/kg dry | 1.34 | ND | 110 | 80-120 | | | |
| Toluene | 1.45 | 0.0250 | " | 1.34 | ND | 108 | 80-120 | | | |
| Ethylbenzene | 1.38 | 0.0250 | " | 1.34 | ND | 103 | 80-120 | | | |
| Xylene (p/m) | 3.06 | 0.0250 | " | 2.68 | ND | 114 | 80-120 | | | |
| Xylene (o) | 1.51 | 0.0250 | " | 1.34 | ND | 113 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 39.3 | | ug/kg | 40.0 | | 98.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 42.5 | | " | 40.0 | | 106 | 80-120 | | | |

Matrix Spike Dup (EF62330-MSD1)

Source: 6F21011-01

Prepared & Analyzed: 06/23/06

| | | | | | | | | | | |
|-----------------------------------|------|--------|-----------|------|----|------|--------|------|----|--|
| Benzene | 1.43 | 0.0250 | mg/kg dry | 1.34 | ND | 107 | 80-120 | 2.76 | 20 | |
| Toluene | 1.40 | 0.0250 | " | 1.34 | ND | 104 | 80-120 | 3.77 | 20 | |
| Ethylbenzene | 1.33 | 0.0250 | " | 1.34 | ND | 99.3 | 80-120 | 3.66 | 20 | |
| Xylene (p/m) | 2.88 | 0.0250 | " | 2.68 | ND | 107 | 80-120 | 6.33 | 20 | |
| Xylene (o) | 1.44 | 0.0250 | " | 1.34 | ND | 107 | 80-120 | 5.45 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 38.4 | | ug/kg | 40.0 | | 96.0 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.5 | | " | 40.0 | | 96.2 | 80-120 | | | |

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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 EF62202 - General Preparation (Prep)

Blank (EF62202-BLK1)

Prepared: 06/21/06 Analyzed: 06/22/06

| | | | | | | | | | | |
|------------|----|-----|---|--|--|--|--|--|--|--|
| % Moisture | ND | 0.1 | % | | | | | | | |
|------------|----|-----|---|--|--|--|--|--|--|--|

Duplicate (EF62202-DUP1)

Source: 6F20008-01

Prepared: 06/21/06 Analyzed: 06/22/06

| | | | | | | | | | | |
|------------|-----|-----|---|--|------|--|--|------|----|--|
| % Moisture | 9.9 | 0.1 | % | | 10.1 | | | 2.00 | 20 | |
|------------|-----|-----|---|--|------|--|--|------|----|--|

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

Project: Chesapeake 3 #1
Project Number: EMS# 2006-204
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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:

Raland K. Tuttle

Date:

6/26/2006

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.

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.

Environmental Lab of Texas I, Ltd.

12800 West I-20 East
Odessa, Texas 79763

Phone: 916-683-1800
Fax: 916-683-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Ken Dutton

Company Name

Basin Environmental

Company Address:

P.O. Box 301

City/State/Zip:

Lovington, NM 88240

Telephone No:

505-448-2124

Sampler Signature:

Linda Blackwood

Fax No:

505-396-1429

Project Name: Chesapeake "3" #7

Project #: EMS # 2004-204

Project Loc: Lea Co. NM.

PO #: AAA/C. Reynolds

| LAB # (lab use only) | FIELD CODE | Date Sampled | Time Sampled | No. of Containers | PRESERVATIVE | | | | | | | | | | MATRIX | | | | | | | | | | Total Gamma | N.O.R.M. | Total Gamma | Standard TAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------------|--------------|--------------|-------------------|------------------|-----|------|--------------------------------|------|-----------------|-------|--------|------|------------------|-----------------------------|-------------------------|--|-----------------|---------------------------------|-----------|---------------|----------------|-----|----------|-------------|----------|-------------|--------------|-------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | HNO ₃ | HCl | NaOH | H ₂ SO ₄ | None | Other (Specify) | Water | Sludge | Soil | Other (specify): | TPH: 41A, 601AM, 1005, 1006 | Cations (Ca, Mg, Na, K) | Anions (Cl, SO ₄ , CO ₃ , HCO ₃) | SAR / ESP / CEC | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles | Semivolatiles | BTX 8021 B5030 | RCI | N.O.R.M. | | | | | Total Gamma | Standard TAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00721011 | S. Wall | 6/21/04 | 831 | 1 | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Special Instructions:

Held for possible BTEX analysis

Relinquished by:

Date

Time

Received by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Received by:

Sample Containers Intact?
Temperature Upon Receipt
Laboratory Comments:

2.5

w/ seal jar / label

Client: Plains
Date/Time: 6/21/06 4:15
Order #: 6F21011
Initials: CK

| | | | | |
|---|----------------|----|------------------------|---|
| Temperature of container/cooler? | Yes | No | 2.5 | C |
| Shipping container/cooler in good condition? | Yes | No | | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present | |
| Custody Seals intact on sample bottles? | Yes | No | Not present | |
| Chain of custody present? | Yes | No | | |
| Sample Instructions complete on Chain of Custody? | Yes | No | | |
| Chain of Custody signed when relinquished and received? | Yes | No | | |
| Chain of custody agrees with sample label(s) | Yes | No | | |
| Container labels legible and intact? | Yes | No | | |
| Sample Matrix and properties same as on chain of custody? | Yes | No | | |
| Samples in proper container/bottle? | Yes | No | | |
| Samples properly preserved? | Yes | No | | |
| Sample bottles intact? | Yes | No | | |
| Preservations documented on Chain of Custody? | Yes | No | | |
| Containers documented on Chain of Custody? | Yes | No | | |
| Sufficient sample amount for indicated test? | Yes | No | | |
| All samples received within sufficient hold time? | Yes | No | | |
| VOC samples have zero headspace? | Yes | No | Not Applicable | |

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

[illegible]

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 | Chesapeake State 3 #1 | Facility Type | Trucking - Tank Battery |

| | | | | | |
|---------------|---------------|---------------|--|-----------|--|
| Surface Owner | Robert Harris | 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 |
| G | 12 | 16S | 36E | | | | | Lea |

Latitude N Longitude W

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|------------------|----------------------------|------------------|
| Type of Release | Crude Oil | Volume of Release | 49 bbls | Volume Recovered | 39 bbls |
| Source of Release | Plains Marketing tanker truck | Date and Hour of Occurrence | 06/05/2006 13:25 | Date and Hour of Discovery | 06/05/2006 13:30 |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Pat Caperton | | |
| By Whom? | Daniel Bryant | Date and Hour | 06/05/2006 15:00 | | |
| 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.*

Plains transport truck was overfilled causing a release of crude oil.

Describe Area Affected and Cleanup Action Taken.*

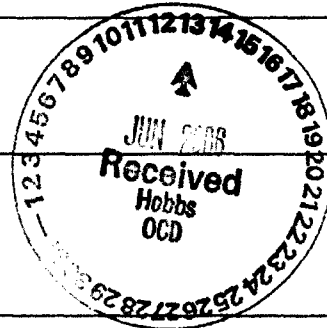
Impact was along the truck loading pad in an area which measured 29' X 49'.

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: <i>Daniel Bryant</i> | Approved by District Supervisor: | | |
| Printed Name: Daniel Bryant | | | |
| Title: Environmental R/C Specialist | Approval Date: | Expiration Date: | |
| E-mail Address: dmbryant@paalp.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: 6/8/06 Phone: (432) 686-1769 | | | |

* 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
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

1RP-0911

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | | |
|-----------------|---|---------------|-------------------------|
| Name of Company | Plains Marketing, L. P. | Contact | Camille Reynolds |
| Address | 3112 W. U. S. Hwy 82, Lovington, NM 88260 | Telephone No. | (505) 441-0965 |
| Facility Name | Chesapeake State 3 # 1 | Facility Type | Transport Truck Release |

| | | | | | |
|---------------|---------------|---------------|--|-----------|--|
| Surface Owner | Robert Harris | Mineral Owner | | Lease No. | |
|---------------|---------------|---------------|--|-----------|--|

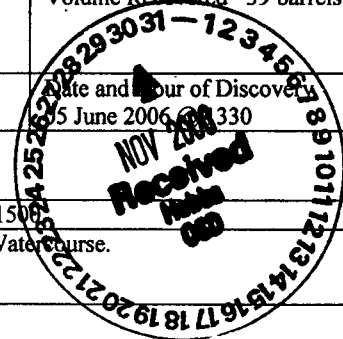
LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| G | 12 | 16S | 36E | | | | | Lea |

Latitude 32° 56' 16.4" North Longitude 103° 18' 22.5" West.

NATURE OF RELEASE

| | | | | | |
|-----------------------------|--|---|---------------------|----------------------------|---------------------|
| Type of Release | Crude Oil | Volume of Release | 49 barrels | Volume Recovered | 39 barrels |
| Source of Release | Plains Marketing Tanker Truck | Date and Hour of Occurrence | 05 June 2006 @ 1325 | Date and Hour of Discovery | 05 June 2006 @ 1330 |
| Was Immediate Notice Given? | XX Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Pat Caperton | | |
| By Whom? | Daniel Bryant | Date and Hour | 05 June 2006 @ 1500 | | |
| 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.* Plains transport truck was overfilled causing a release of crude oil.

Describe Area Affected and Cleanup Action Taken.* Southwest Safety Specialists initially responded to the crude oil release. At the request of Plains Marketing, L. P., Basin, assumed remedial responsibility. The crude oil release site was excavated and 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 transported to the Lea Station Land Farm. Backfill material (caliche) was obtained from the landowner and the site was backfilled with the caliche and contoured to the original tank battery pad grade.

SEE ATTACHED PLAINS MARKETING PRELIMINARY SITE INVESTIGATION REPORT & CLOSURE REQUEST, DATED 10 NOVEMBER 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>Camille Reynolds</i> | OIL CONSERVATION DIVISION | |
| Printed Name: Camille Reynolds | Approved by District Supervisor: <i>Enviro ENGR</i> | |
| Title: Remediation Coordinator | Approval Date: 12-1-06 | Expiration Date: — |
| E-mail Address: cjreynolds@paalp.com | Conditions of Approval: — | Attached <input type="checkbox"/> |
| Date: 10 November 2006 | Phone: (505) 441-0965 | |