AP - 54

WORK PLAN

DATE:

JUNE 2006

PLAINS PIPELINE

AP-054
Work Plan
June 2006

NM

JUN 29 2006

June 27, 2006

Report Entered

Mr. Ben Stone
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains Pipeline Soil Closure Proposal
Hobbs Junction Mainline Release Site
SW ¼, SW ¼ of Section 26, Township 18 South, Range 37 East and
NW ¼, NW ¼ of Section 35, Township 18 South, Range 37 East
Lea County, New Mexico

Dear Mr. Stone:

Please find attached for your approval the Soil Closure Proposal, dated June 2006, for the Hobbs Junction Mainline release site located in Sections 26 and 35 of Township 18 South and Range 37 East of Lea County, New Mexico. The Soil Closure Proposal details site activities conducted to date and future activities for soil closure of the site.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

AP-054

Camille Reynolds
Remediation Coordinator
Plains All American Pipeline

Cc: Larry Johnson, NMOCD, Hobbs Office
Thaddeus Kostrubala, State Land Office, Santa Fe, NM
Myra Myers, State Land Office, Hobbs, NM
Faye Klein, Hobbs, NM

Enclosure

SOIL CLOSURE PROPOSAL

HOBBS JUNCTION MAINLINE

Report Entered

PLAINS REF: 2003-00017
(COMPANY # 231735)

UL-M (SW¼ OF THE SW¼) OF SECTION 26, T18S, R37E

AND

UL-D (NW ¼ OF THE NW ¼) OF SECTION 35, T18S, R37E

~3 MILES WEST OF HOBBS

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 32' 40.85" **LONGITUDE: W 103° 13' 42.01"**

JUNE 2006

AP-054

PREPARED BY:

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NEW MEXICO 88231

PREPARED FOR:

PLAINS
ALL AMERICAN

DISTRIBUTION LIST

Plains Pipeline, L.P. – Hobbs Junction Mainline
(Plains Ref.: 2003-00017; Company # 231735)

Name	Title	Company or Agency	Mailing Address	E-Mail
Ben Stone	Environmental Engineer	NMOCD – Sante Fe	1220 S. St. Francis Drive Sante Fe, NM 87505	ben.stone@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD – Hobbs	1625 French Drive Hobbs, NM 88240	larry.johnson@state.nm.us
Thaddeus Kostrubala	Environmental Engineer	NMSLO – Sante Fe	P.O. Box 1148 Sante Fe, NM 87504-1148	tkostrubala@slo.state.nm.us
Myra Meyers	District Resource Manager	NMSLO – Hobbs	2702 N. Grimes, Suite D Hobbs, NM 88240	mmeyers@slo.state.nm.us
Jeff Dann	Senior Environmental Specialist	Plains Pipeline, L.P.	333 Clay St., Suite #1600 Houston, TX 77002	jpdann@paalp.com
Camille Reynolds	Remediation Coordinator	Plains Pipeline, L.P.	3112 W. Hwy 82 Lovington, NM 88260	cjreynolds@paalp.com
Faye Klein	Landowner	- -	P.O. Box 1503 Hobbs, NM 88240	- -
File	- -	Environmental Plus, Inc.	P.O. Box 1558 Eunice, NM 88231	iolness@envplus.net

Standard of Care

Soil Closure Proposal

Hobbs Junction Mainline
Ref. # 2003-00017

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February 1993), and the Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan*. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental and/or the natural sciences.

This report was prepared by:

Jason Stegemoller, M.S.
Environmental Scientist

June 27, 2006
Date

This report was reviewed by:

Iain A. Olness, P.G.
Technical Manager

27 June 2006
Date

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APPENDICES

1.0 Introduction

The purpose of this report is to provide the New Mexico Oil Conservation Division (NMOCD) with information pertaining to the soil impacts at the Hobbs Junction Mainline release site and to prepare a soil remediation plan for the impacted soil at the site. This site is near the junction of the West Vacuum pipeline and Kimbrough Sweet pipeline. This plan proposes to excavate hydrocarbon impacted soil to a depth of 8-feet below ground surface (bgs), place an impermeable barrier in the excavation floor and backfill the excavation with blended soil comprised of excavated soil and clean soil.

2.0 Summary

The Plains All American Pipeline, L.P. (Plains) Hobbs Junction Mainline site (Ref. #2003-00017) is located in Unit Letter (UL)-M (SW¼ of the SW¼) of Section 26, Range 37 East, Township 18 South on property owned by the State of New Mexico. A portion of the flowpath entered onto land owned by Faye Klein in UL-D of Section 35, Range 37 East, Township 18 South. The site is located at Latitude 32° 42'40.85"N and Longitude 103° 13'42.01"W approximately 3-miles west of Hobbs, Lea County, New Mexico (reference *Figures 1* and *2*). The release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD) on January 23, 2003. The Initial C-141 submitted on January 24, 2003 characterized the release as 50 barrels of crude oil due to internal corrosion. Approximately 24 barrels were recovered and reintroduced into the system. The release area comprised approximately 12,500-square feet of pipeline right-of-way. The pipeline was shut in and repaired initially with a line repair clamp and later replaced with new pipe.

Environmental Plus, Inc. was retained by Plains Pipeline (formerly E.O.T.T. Energy, LLC) to investigate and remediate soil impacted above NMOCD remedial thresholds. Initial remediation activities consisted of excavating approximately 114-cubic yards (yd^3) of saturated soil from the release and flowpath area. Approximately 84-yd^3 of the most saturated soil was transported to the Environmental Plus, Inc. Landfarm for treatment, with the remaining 30-yd^3 stockpiled on plastic near the release site.

A search of water wells on record with the New Mexico Office of the State Engineer (NMOSE) database indicate one well, utilized for irrigation, within a 1,000-foot radius point of release. The average depth to groundwater as reported by the NMOSE database is approximately 43-feet bgs.

Initial delineation activities consisted of the advancement of a soil boring (BH-1) on February 13, 2003 to investigate the vertical extent of hydrocarbon impacted soil. The soil boring was advanced to 28-feet bgs where an indurated caliche layer prevented further advancement. Soil samples were collected at 2 and 5-feet bgs and 5-foot intervals thereafter to 25-feet bgs. Upon collection, samples were immediately placed in a laboratory provided container and set on ice for transport to an independent laboratory for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX constituents), total petroleum hydrocarbons (TPH), chloride and sulfate concentrations. Laboratory analyses indicated TPH and BTEX concentrations to 25-feet bgs were in excess of each analytes' NMOCD remedial guideline. Reported benzene concentrations were in excess of the NMOCD remedial guideline of 10 mg/Kg to 20-feet bgs.

On March 5, 2003, a drilling rig was contracted from Eades Drilling Co. to extend soil boring BH-1 to 50-feet bgs. Approximately 6-feet of liquid crude oil was encountered at 36-feet bgs during the extension of BH-1. Upon discovery of groundwater impacts, EPI immediately notified the NMOCD

of groundwater impacts verbally to Larry Johnson (Hobbs) and Randy Bayliss (Sante Fe) and the landowners. Additionally, written notification of groundwater impacts was sent to Randy Bayliss. Groundwater was encountered at approximately 42-feet bgs, consistent with NMOSE groundwater data. Due to the presence of phase separated hydrocarbons (PSH) at the groundwater interface, BH-1 was completed as groundwater monitoring well MW-1.

After discovery of impacted groundwater in MW-1, a second monitor well (MW-2) was installed on March 5, 2003 approximately 100 – feet northwest of MW-1 to provide a background groundwater sample. Approximately 15.6 inches of PSH was discovered at the groundwater interface in MW-2.

On March 26, 2003, the *EOTT Energy Preliminary Ground Water Contamination Investigation and Delineation Plan* was submitted to the NMOCD by EPI on EOTT's behalf. This plan proposed installation of 8 additional groundwater monitoring wells, with 4 completed for PSH recovery and 4 completed for groundwater monitoring. On March 29, 2003, Randy Bayliss of the NMOCD – Sante Fe recommended PSH recovery to begin immediately (i.e., before delineation activities had been completed). Manual product recovery activities began at that time. Approval of the plan was granted on June 10, 2003 by Randy Bayliss.

Groundwater monitoring wells MW-3 through MW-6 were installed on August 5, 2003. Soil samples were collected during the drilling activities and analyzed in the field for the presence of organic vapors utilizing a hand held photoionization detector (PID) equipped with a 9.8 electron volt (eV). Upon development, PSH was detected in all groundwater monitoring wells. A gasoline powered product recovery system was utilized for PSH recovery until the facilities for an electric unit were provided in October 2003.

Groundwater monitoring wells MW-7 through MW-13 were installed on January 19-20, 2004. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of each sample collected at 40-feet bgs was submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining portion of each sample was analyzed in the field for the presence of organic vapors utilizing a PID. Upon development, PSH was detected in groundwater monitoring well MW-12.

On May 24, 2004 groundwater monitoring wells MW-14 through MW-17 were installed outside the release area perimeter. Soil samples were collected for laboratory analyses during the drilling activities at 33-feet bgs in MW-14 to MW-16 and at 13 and 34-feet bgs in MW-17. A portion of each sample was submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining portion of each sample was analyzed in the field for the presence of organic vapors utilizing a PID. Upon development, PSH was detected in groundwater monitoring wells MW-14 and MW-17.

In April 2004, the *2003 Annual Monitoring Report* was submitted to the NMOCD by EPI on behalf of Link Energy (formerly EOTT) documenting PSH recovery and groundwater monitoring activities and the recovery of approximately 94 barrels of crude oil. Details of the report include a recommendation for additional groundwater monitoring wells and a soil remediation plan. In June 2004, Ed Martin of the NMOCD – Sante Fe accepted the recommendations and requested Link Energy to proceed with the preparation of a Stage I and Stage II Abatement Plan.

In August 2004, a *Stage 1 and Stage 2 Abatement Plan* was submitted to the NMOCD on behalf of Plains All American Pipeline, L.P. (formerly Link Energy) documenting the delineation activities

performed to date and established a groundwater monitoring and analyses and PSH recovery schedule. Additionally, the abatement plan outlined NMOCD remedial guidelines for TPH as 100 mg/Kg, BTEX as 50 mg/Kg and benzene as 10 mg/Kg.

In October 2004, Roger Anderson, NMOCD – Sante Fe determined the *Stage 1 and Stage 2 Abatement Plan* was administratively complete. However, the NMOCD required Plains to issue public notice prior to final technical review of the abatement plan. In November 2004, Plains issued a public notice of the abatement plan in the Hobbs Sun News and the Albuquerque Journal and via mail to landowners within a one mile radius of the release site. In response to the public notice, a request was made by Lisa Meyer of the New Mexico Department of Cultural Affairs Historic Preservation Divison for information pertaining to size of the project and an explanation of the scope of work. Plains requested Boone Archaeological Services, LLC of Carlsbad, New Mexico to conduct an intensive pedestrian archaeological survey in order to prevent damage to any cultural resources that may be present on the State Trust portion of the remediation site. In January 2005, Boone Archaeological Services issued a *State Land Negative Survey Report Form* to Plains indicating there were no cultural resources present at or adjacent to the portion of the site on State Trust Land.

In March 2005, the Plains All American Pipeline, L.P. *2004 Annual Monitoring Report* was submitted to the NMOCD. Details of the report include documentation of approximately 520 bbls of crude oil recovered to date and a decline in PSH thickness. Recommendations were made to a) continue site inspections, groundwater monitoring and PSH recovery on a semi-weekly basis; b) installation of two additional groundwater monitoring wells to further delineate lateral extents of groundwater impacts; and c) recommendations were made to continue quarterly groundwater sampling for BTEX and annually for poly aromatic hydrocarbons the Klein irrigation well.

In February 2006, the Plains All American Pipeline, L.P. *2005 Annual Monitoring Report* was submitted to the NMOCD. Details of the report included documentation of approximately 918 bbls of crude oil recovered to date and a decline in PSH thickness. Recommendations were made to continue site inspections, groundwater monitoring and PSH recovery on a semi-weekly basis; as well as the installation of three additional groundwater monitoring wells to further delineate lateral extents of groundwater impacts. Additionally, recommendations were made to annually sample the Klein irrigation well.

3.0 Field Activities

Upon discovery of the release on January 23, 2003, EPI and EOTT personnel mobilized to the site, exposed the pipeline and installed a pipe repair clamp. The initial release consisted of approximately 50 barrels of crude oil of which approximately 24 barrels were recovered and reintroduced into the system. In addition, approximately 114-yd^3 of surficial saturated soil was excavated and stockpiled on a plastic barrier. Approximately 84-yd^3 of the most saturated soil was transported to the Environmental Plus, Inc. Landfarm for treatment, with the remaining 30-yd^3 stockpiled on plastic near the release site (reference *Figure 3* and *Table 1*).

On February 13, 2003, soil boring BH-1 was advanced to approximately 28-feet bgs where an indurated caliche layer prevented further advancement. Soil samples were collected at 2 and 5-feet bgs and at 5-foot intervals thereafter. Upon collection, each sample was immediately placed in a laboratory provided container and set on ice for transport to an independent laboratory for

quantification of TPH and BTEX constituent concentrations. Additionally, the sample collected at 2-feet bgs was analyzed for chloride and sulfate concentrations (reference *Figure 3* and *Table 1*).

On March 5, 2003, a drilling rig was contracted from Eades Drilling Co. to deepen soil boring BH-1 to 50-feet bgs. Approximately 6-feet of liquid crude oil was encountered at approximately 36-feet bgs during the extension of BH-1. Groundwater was encountered at approximately 42-feet bgs, consistent with NMOSE groundwater data. Due to the presence of phase separated hydrocarbons (PSH) at the groundwater interface, BH-1 was completed as groundwater monitoring monitor well MW-1 (reference *Figure 3* and *Table 1*).

After notification of impacted groundwater in MW-1, a second monitor well (MW-2) was installed on March 5, 2003 approximately 100 feet northwest of MW-1 to provide a background groundwater sample. Approximately 15.6 inches of PSH was discovered at the groundwater interface in MW-2 (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-3 was installed on August 5, 2003 northeast of the point of release (POR), within the release area perimeter. Soil samples were collected during drilling activities at 5-feet bgs and 5-foot intervals thereafter to 40-feet bgs. Samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated organic vapor concentrations in MW-3 ranged from 978 to 1,860 parts per million (ppm), with concentrations increasing with depth (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-4 was installed on August 5, 2003 north of the POR, outside the release area perimeter. Soil samples were collected during drilling activities at 5-feet bgs and 5-foot intervals thereafter to 40-feet bgs. Samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated organic vapor concentrations in MW-4 ranged from 690 to 1,350 ppm. Organic vapor concentrations decreased slightly and then increased with depth (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-5 was installed on August 5, 2003 southeast of the POR, outside the release area perimeter. Soil samples were collected during drilling activities at 5-feet bgs and 5-foot intervals thereafter to 40-feet bgs. Samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated organic vapor concentrations in MW-5 ranged from 6.7 to 1,900 ppm, with organic vapor concentrations increasing with depth (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-6 was installed on August 5, 2003 southeast of the POR, outside the release area perimeter. Soil samples were collected during drilling activities at 5-feet bgs and 5-foot intervals thereafter to 40-feet bgs. Samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated organic vapor concentrations in MW-6 ranged from 14.5 to 2,400 ppm, with organic vapor concentrations increasing with depth (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-7 was installed on January 19, 2004 northwest of the POR, outside the release area perimeter. Soil samples were collected during drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an

organic vapor concentration of 1.8 ppm at 23-feet bgs and 0.6 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-8 was installed on January 19, 2004 north-northeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an organic vapor concentration of 5.2 ppm at 23-feet bgs was 5.2 and 13.6 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-9 was installed on January 19, 2004 northeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an organic vapor concentration of 5.8 ppm at 23-feet bgs and 10.1 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-10 was installed on January 20, 2004 east-northeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an organic vapor concentration of 5.2 ppm at 23-feet bgs and 9.8 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-11 was installed on January 20, 2004 east-southeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an organic vapor concentration of 4.8 ppm at 23-feet bgs and 9.6 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-12 was installed on January 20, 2004 south-southeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an organic vapor concentration of 21.9 ppm at 23-feet bgs and 456 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-13 was installed on January 20, 2004 west-southwest of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 23 and 40-feet bgs. A portion of the sample collected at 40-feet bgs was placed in a laboratory provided container and submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a hand held PID equipped with a 9.8 eV lamp. Field analyses indicated an organic vapor concentration of 11.4 ppm at 23-feet bgs and 7 ppm at 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-14 was installed on May 24, 2004 northeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 5-foot intervals to a maximum depth of 45-feet bgs. A portion of the sample collected at 33-35 feet bgs was submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a PID. Field analyses indicated organic vapor concentrations ranged from 23.8 to 101.6 ppm. Organic vapor concentrations varied with depth, with the highest levels exhibited at 28 to 30-feet bgs and 38 to 40-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-15 was installed on May 26, 2004 northeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 5-foot intervals to a maximum depth of 45-feet bgs. A portion of the sample collected at 33-35 feet bgs was submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a PID. Field analyses indicated organic vapor concentrations ranged from 0 to 32.5 ppm, with concentrations varying with depth (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-16 was installed on May 26, 2004 northeast of the POR, outside the release area perimeter. Soil samples were collected during the drilling activities at 5-foot intervals to a maximum depth of 45-feet bgs. A portion of the sample collected at 33-35 feet bgs was submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a PID. Field analyses indicated organic vapor concentrations ranged from 0 to 436 ppm. Organic vapor concentrations varied with depth, with the highest levels exhibited at 28 to 38-feet bgs (reference *Figure 3* and *Table 1*).

Groundwater monitoring well MW-17 was installed on May 24-26, 2004 northeast of the POR, within the release area perimeter. Soil samples were collected during the drilling activities at 5-foot intervals to a maximum depth of 45-feet bgs. A portion of the samples collected at the 13-15 feet and 34-36 feet bgs interval were submitted to an independent laboratory for quantification of TPH and BTEX constituent concentrations. The remaining samples were analyzed in the field for the presence of organic vapors utilizing a PID. Field analyses indicated organic vapor concentrations ranged from 4.1 to 1,189 ppm. Organic vapor concentrations varied with depth, with the highest levels exhibited at 34 to 36-feet bgs (reference *Figure 3* and *Table 1*).

4.0 Laboratory Analyses

Laboratory analyses of the soil samples collected on February 13, 2003 from soil boring BH-1 (MW-1) indicated TPH concentrations ranged from 6,510 to 53,100 mg/Kg, above the NMOCD remedial guideline of 100 mg/Kg. Soil sample analyses indicated benzene concentrations ranged

from 169 mg/Kg to 10.6 mg/Kg from 2-ft bgs to 20-ft bgs, in excess of the NMOCD remedial guideline of 10 mg/Kg. Analyses of the soil sample collected at 25-feet bgs indicated a benzene concentration of 9.75 mg/Kg, below the NMOCD remedial guideline of 10 mg/Kg. Reported BTEX constituent concentrations ranged from 272 to 2,654 mg/Kg, in excess of the NMOCD remedial guideline of 50 mg/Kg (reference *Figure 3* and *Table 1*).

Based on high organic vapor concentrations indicating hydrocarbon impacts, it was determined that laboratory analyses of soil samples collected from MW-2 through MW-6 would not be performed.

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 19, 2004 during the installation of groundwater monitoring well MW-7 indicated TPH and BTEX constituent concentrations were non-detectable (ND) at or above laboratory method detection limits (MDL) (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 19, 2004 during the installation of groundwater monitoring well MW-8 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL. (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 19, 2004 during the installation of groundwater monitoring well MW-9 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL. (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 20, 2004 during the installation of groundwater monitoring well MW-10 indicated BTEX constituent concentrations were ND at or above laboratory MDL. Reported TPH concentration was 7.5 mg/Kg, below the NMOCD remedial guideline of 100 mg/Kg (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 20, 2004 during the installation of groundwater monitoring well MW-11 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 20, 2004 during the installation of groundwater monitoring well MW-11 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 20, 2004 during the installation of groundwater monitoring well MW-12 indicated a benzene concentration of 8.84 mg/Kg, below the NMOCD remedial threshold of 10 mg/Kg. Reported BTEX concentration was 255 mg/Kg, in excess of the NMOCD remedial threshold of 50 mg/Kg. The TPH concentration was reported at 5,400 mg/Kg, in excess of the NMOCD remedial threshold of 100 mg/Kg (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 40-feet bgs on January 20, 2004 during the installation of groundwater monitoring well MW-13 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 33 to 35-feet bgs on May 26, 2004 during the installation of groundwater monitoring well MW-14 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Figure 4, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 33 to 35-feet bgs on May 26, 2004 during the installation of groundwater monitoring well MW-15 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected during the installation of groundwater monitoring well MW-16 at 33 to 35-feet bgs on May 26, 2004 indicated BTEX constituent concentrations were ND at or above laboratory MDL. Reported TPH concentration was 10.79 mg/Kg, below the NMOCD remedial guideline of 100 mg/Kg (reference *Figure 3, Table 1* and *Appendix I*).

Laboratory analytical data for the soil sample collected at 13 to 15-feet bgs on May 26, 2004 during the installation of groundwater monitoring well MW-17 indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL. Analytical data for the sample collected at 34 to 36-feet bgs indicated a benzene concentration of 19.1 mg/Kg, in excess of the NMOCD remedial guideline of 10 mg/Kg. The reported BTEX concentration at 34 to 36-feet bgs was 229 mg/Kg, in excess of the NMOCD remedial guideline of 50 mg/Kg. The TPH concentration at 34 to 36-feet bgs was reported at 4,990 mg/Kg, in excess of the NMOCD remedial guideline of 100 mg/Kg (reference *Figure 3, Table 1* and *Appendix I*).

5.0 Groundwater Monitoring Summary

Please refer to *Plains Pipeline Hobbs Junction Mainline 2005 Annual Monitoring Report* for further information and background concerning groundwater monitoring activities.

6.0 Soil Status

Approximately 114-yd^3 of surficial crude oil saturated soil was scraped/excavated from the immediate release area. Approximately 84-yd^3 of the most saturated soil was transported to the Environmental Plus, Inc. Landfarm for treatment. The remaining 30-yd^3 of excavated soil was stockpiled on plastic.

7.0 Status and Recommendations

Based on field and analytical results collected during the advancement of the soil borings and installation of the groundwater monitoring wells the following recommendations are made in regard to the soil remediation at the site:

1) Based on field observations, PID readings and laboratory analytical data:

   a) Excavate additional hydrocarbon impacted soil to a depth of approximately 8-feet bgs in an area defined approximately by monitor wells MW-8 to the north, MW-17 and MW-5 to the east, MW-6 and MW-12 to the south and MW-2 to the west (reference *Figure 13*).

   b) To establish adequate soil removal and a perimeter/buffer around the impacted floor, soil samples shall be collected from along the excavation sidewalls at 25-foot intervals at 4 to 8-feet bgs. A like number of soil samples shall be collected at similar points along the

excavation floor perimeter, approximately 1 to 3-feet from the sidewall. Upon collection, a portion of each sample shall be placed in a laboratory provided container and set on ice for transport to an independent laboratory for quantification of TPH and BTEX constituent concentrations.

c) Upon receipt of laboratory analyses indicating TPH and BTEX constituent concentrations in the sidewalls and floor perimeter are below NMOCD remedial guidelines, install an impermeable poly-vinyl chloride barrier in the excavation floor. The barrier shall be placed upon a cushion comprised of a 6-inch layer of clean sand. Another cushion comprised of a 6-inch layer of clean sand shall be placed on top of the barrier.

d) Transport the most heavily impacted soil to the Lea Station Landfarm for treatment.

2) Backfill the excavation with excavated, treated stockpiled soil after treating/blending with clean soil obtained from the landowner to below a TPH concentration of 1,000 mg/Kg. The final one foot of backfill shall be comprised of clean topsoil to promote revegation.

3) Contour/grade the area to allow natural drainage and seed the area with a mixture suitable to the landowner.

4) Continue groundwater monitoring activities and PSH recovery.

EPI, on behalf of Plains requests formal written approval from the NMOCD to implement these proposed remedial activities.

FIGURES

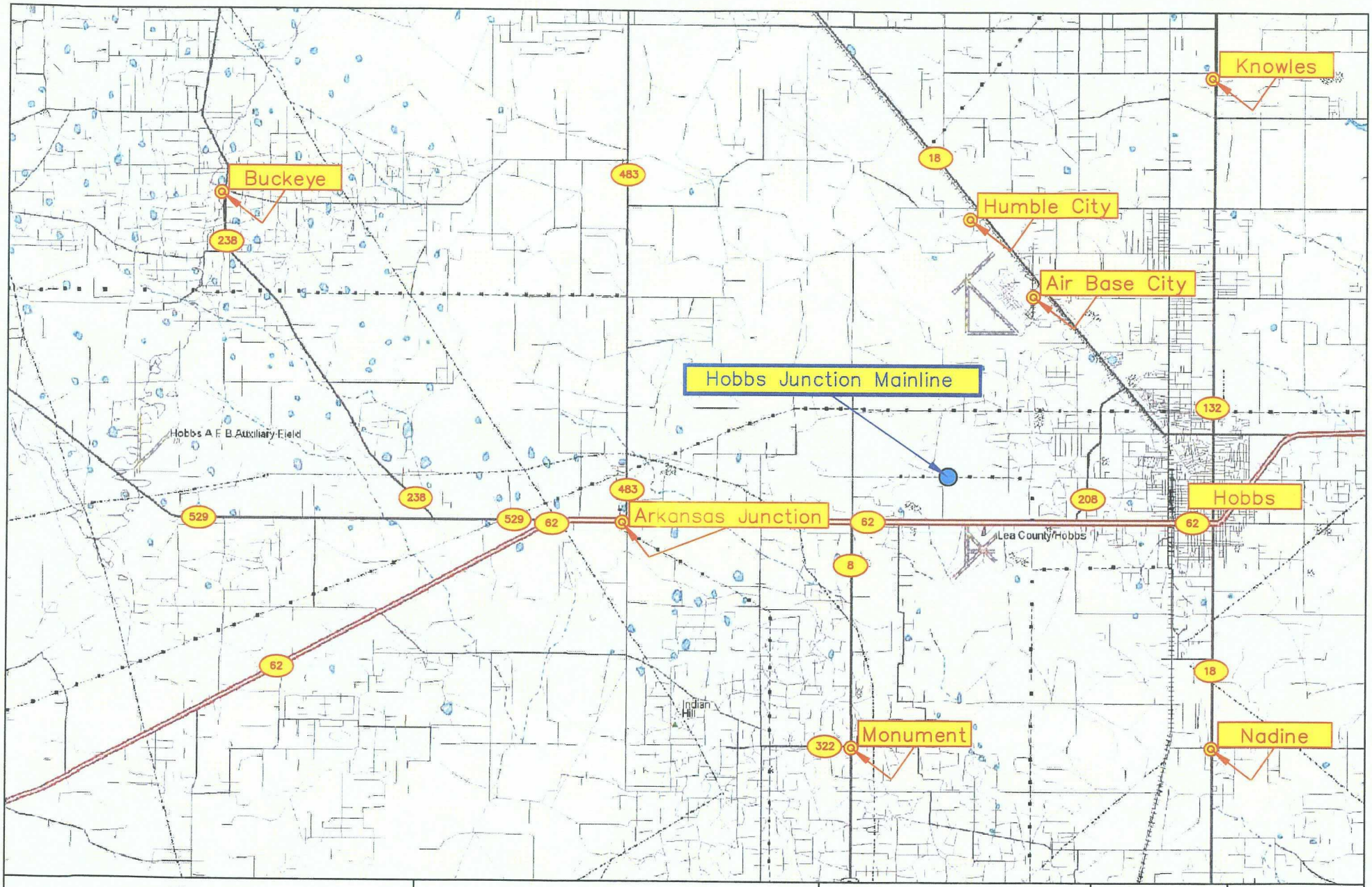


Figure 1 Area Map Plains All American Pipeline, LP Hobbs Junction Mainline #2003–00017	Lea County, New Mexico SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E N 32° 42' 40.85" W 103° 13' 42.01" Elevation: 3,675 feet amsl	DWG By: Daniel Dominguez June 2006	REVISED:
			SHEET 1 of 1

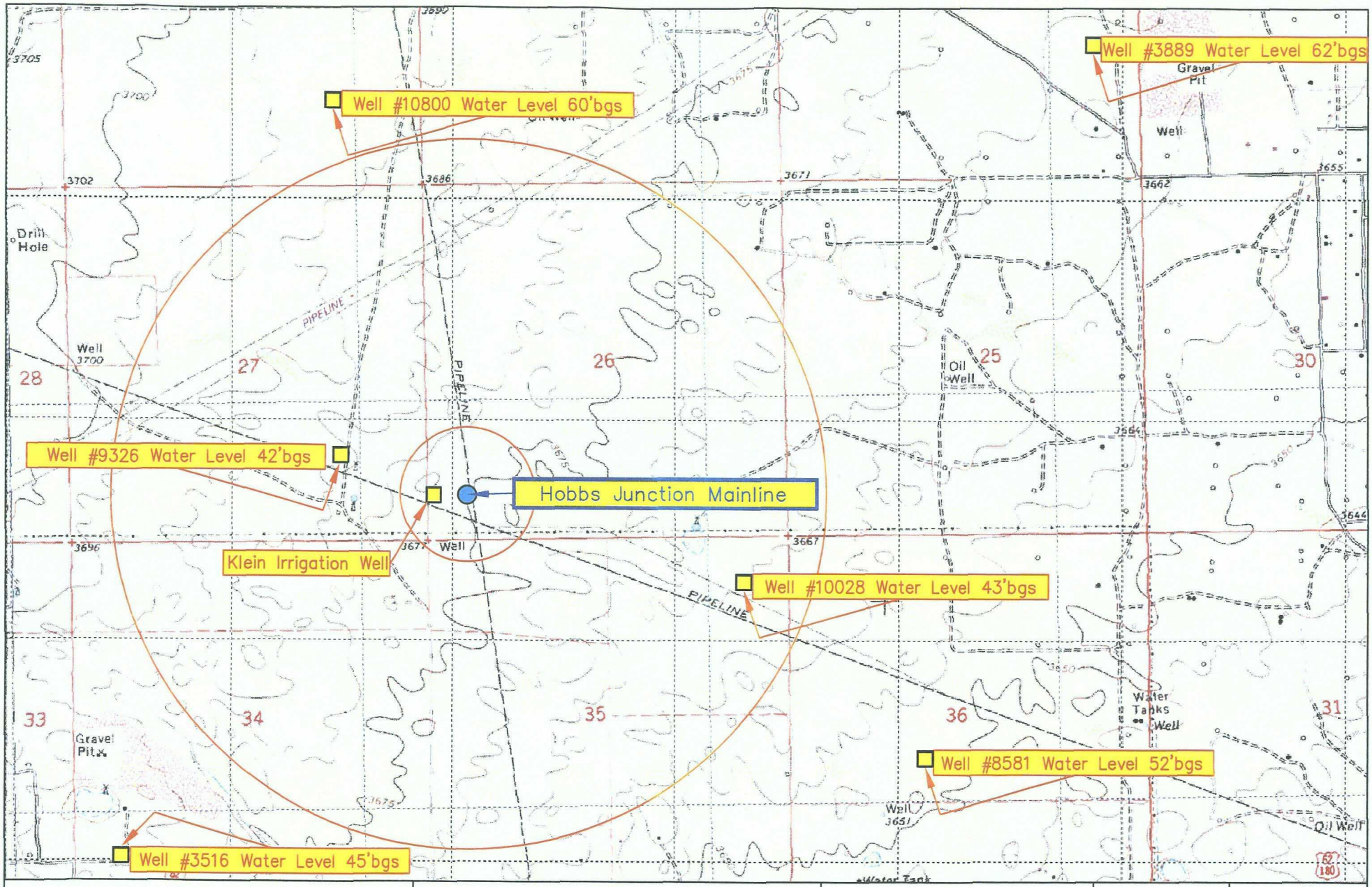


Figure 2
Site Location Map
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003-00017

Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

DWG By: Daniel Dominguez
June 2006

REVISED:

0 2,000 4,000
Feet

SHEET
1 of 1

N

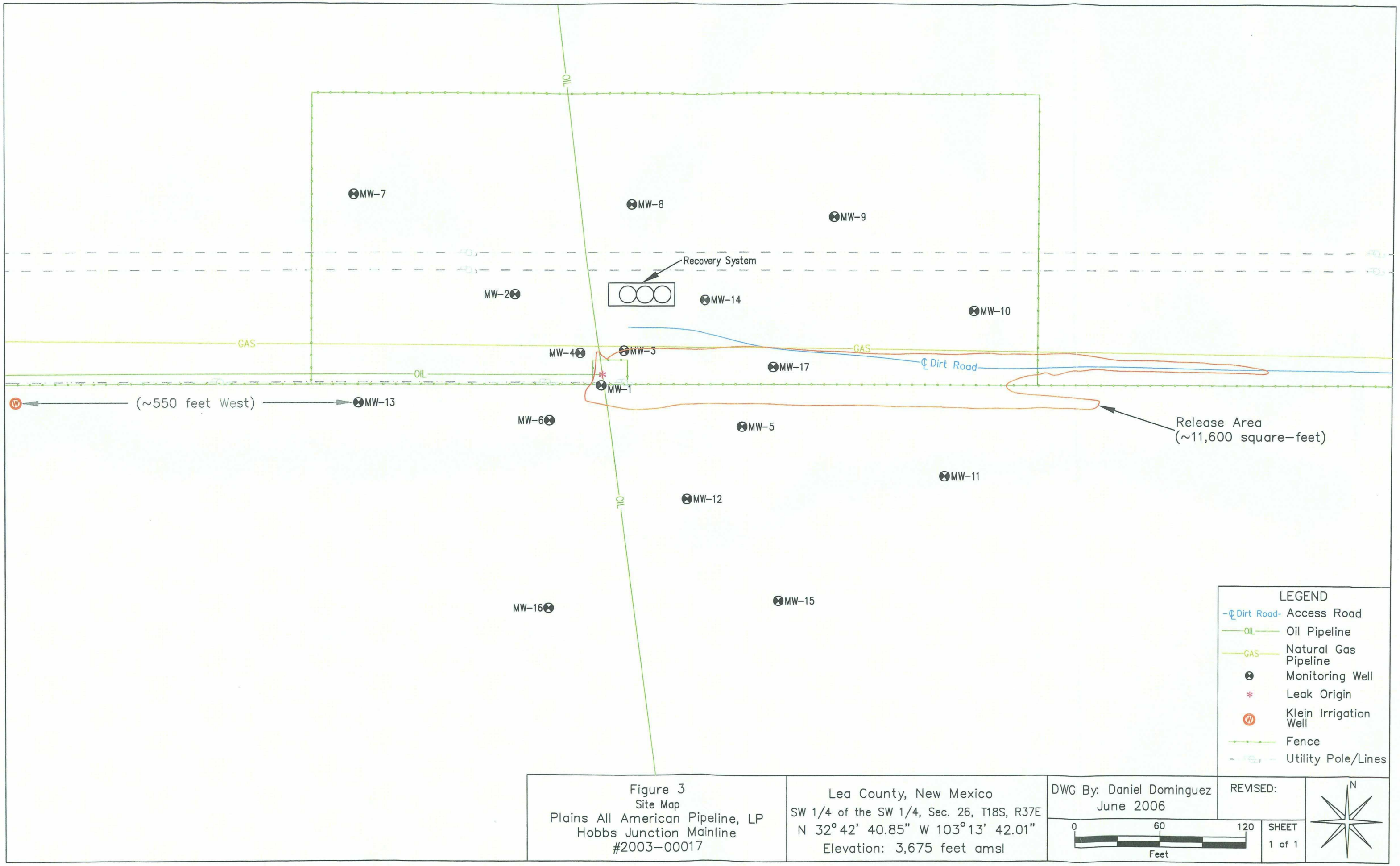


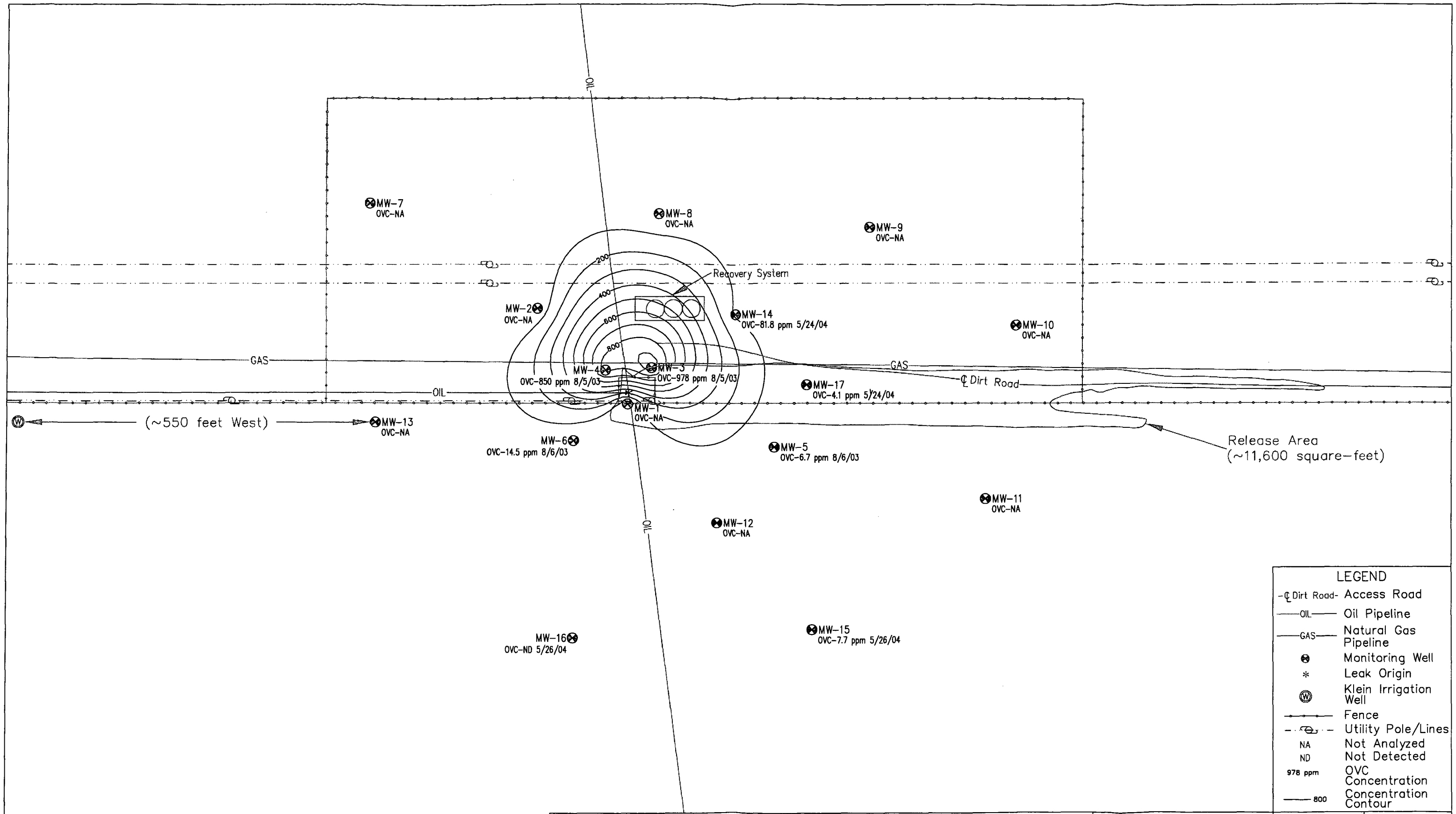
Figure 3
Site Map
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003-00017

Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

DWG By: Daniel Dominguez
June 2006

REVISED:

SHEET
1 of 1


OIL
MW-7
OVC-NA
MW-8
OVC-NA
MW-9
OVC-NA
200
400
600
800
Recovery System
MW-2
OVC-NA
MW-14
OVC-81.8 ppm 5/24/04
MW-10
OVC-NA
GAS
MW-4
OVC-850 ppm 8/5/03
MW-3
OVC-978 ppm 8/5/03
GAS
℄ Dirt Road
OIL
MW-17
OVC-4.1 ppm 5/24/04
MW-1
OVC-NA
(~550 feet West)
MW-13
OVC-NA
MW-6
OVC-14.5 ppm 8/6/03
MW-5
OVC-6.7 ppm 8/6/03
Release Area
(~11,600 square-feet)
OIL
MW-11
OVC-NA
MW-12
OVC-NA
MW-16
OVC-ND 5/26/04
MW-15
OVC-7.7 ppm 5/26/04
LEGEND
℄ Dirt Road- Access Road
OIL Oil Pipeline
GAS Natural Gas Pipeline
Monitoring Well
* Leak Origin
Klein Irrigation Well
Fence
Utility Pole/Lines
NA Not Analyzed
ND Not Detected
978 ppm OVC Concentration
800 Concentration Contour
Figure 4
Field Organic Vapor Concentrations – 3-5'
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003-00017
Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl
DWG By: Daniel Dominguez
June 2006
REVISED:
0
60
120
Feet
SHEET
1 of 1
N

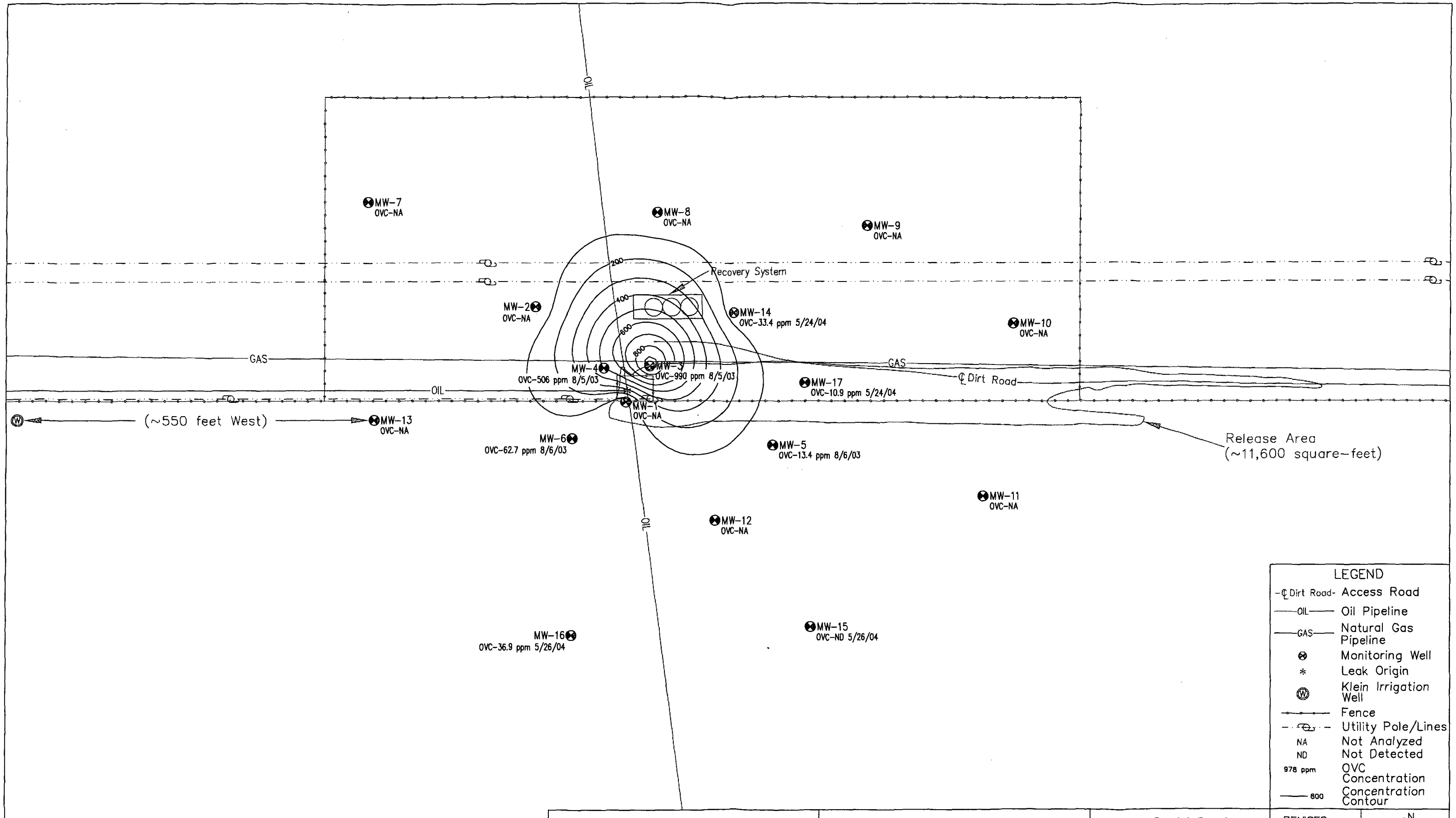


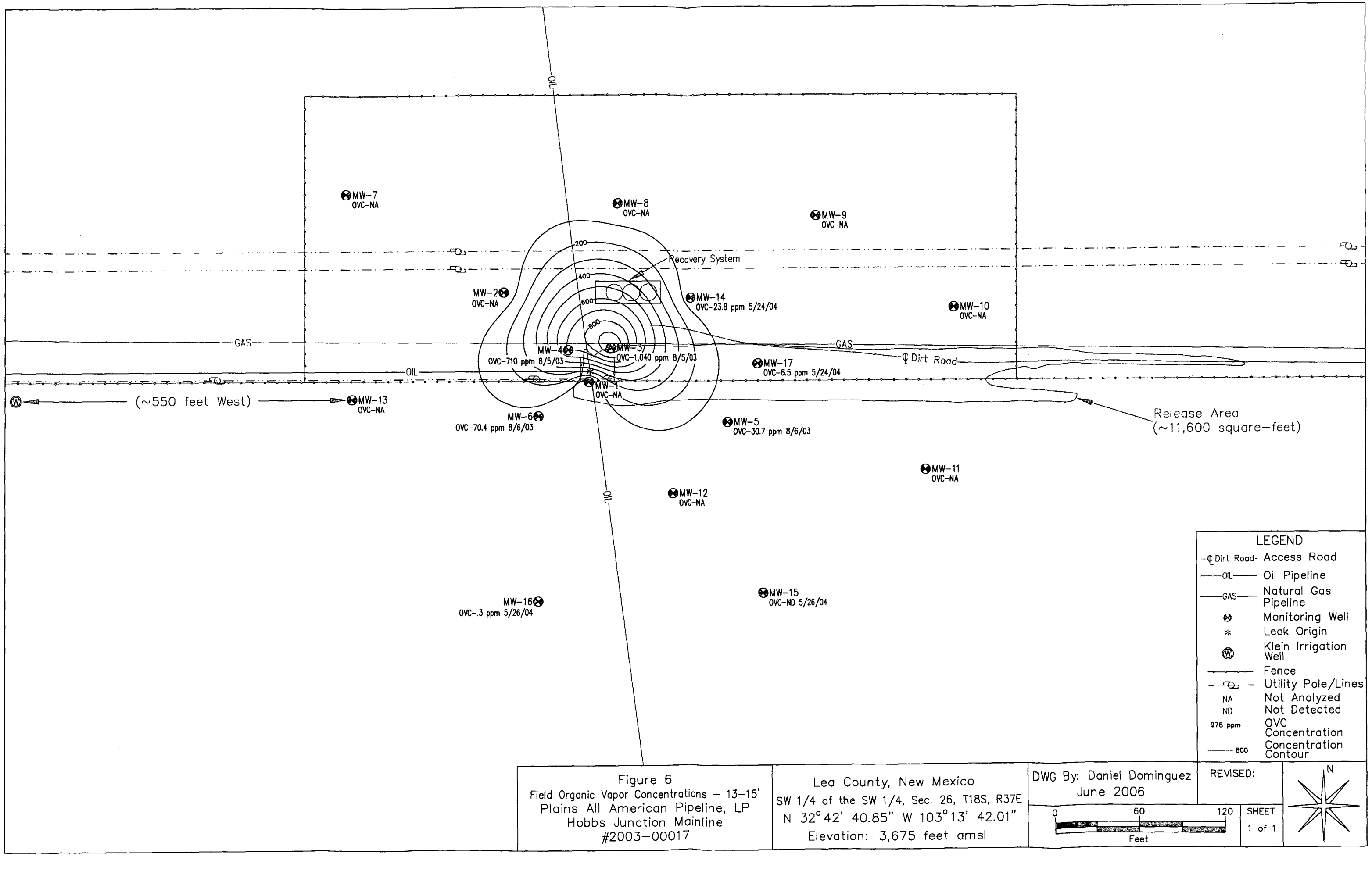
Figure 5
Field Organic Vapor Concentrations – 8-10'
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003-00017

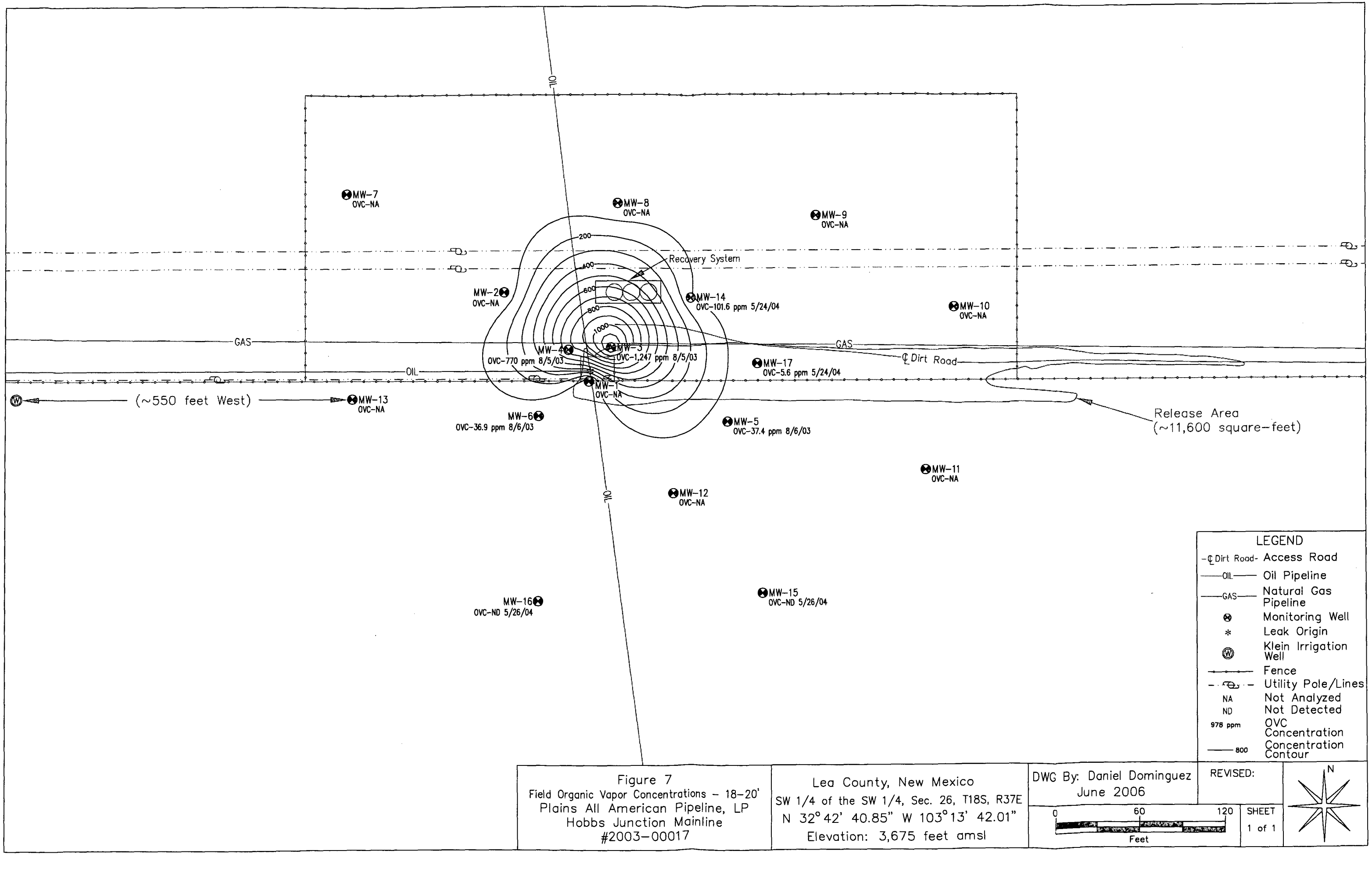
Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

DWG By: Daniel Dominguez
June 2006

REVISED:

SHEET
1 of 1


OIL
MW-7
OVC-NA
MW-8
OVC-NA
MW-9
OVC-NA
200
400
600
800
Recovery System
MW-2
OVC-NA
MW-14
OVC-23.8 ppm 5/24/04
MW-10
OVC-NA
GAS
MW-4
OVC-710 ppm 8/5/03
MW-3
OVC-1,040 ppm 8/5/03
GAS
℄ Dirt Road
MW-17
OVC-6.5 ppm 5/24/04
OIL
MW-1
OVC-NA
(~550 feet West)
MW-13
OVC-NA
MW-6
OVC-70.4 ppm 8/6/03
MW-5
OVC-30.7 ppm 8/6/03
Release Area
(~11,600 square-feet)
MW-11
OVC-NA
MW-12
OVC-NA
MW-15
OVC-ND 5/26/04
MW-16
OVC-.3 ppm 5/26/04
LEGEND
-℄ Dirt Road- Access Road
—OIL— Oil Pipeline
—GAS— Natural Gas Pipeline
Monitoring Well
* Leak Origin
Klein Irrigation Well
Fence
Utility Pole/Lines
NA Not Analyzed
ND Not Detected
978 ppm OVC Concentration
800 Concentration Contour
Figure 6
Field Organic Vapor Concentrations - 13-15'
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003-00017
Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl
DWG By: Daniel Dominguez
June 2006
REVISED:
0
60
120
Feet
SHEET
1 of 1
N


MW-7
OVC-NA
MW-8
OVC-NA
MW-9
OVC-NA
200
400
600
800
1000
Recovery System
MW-2
OVC-NA
MW-14
OVC-101.6 ppm 5/24/04
MW-10
OVC-NA
GAS
MW-4
OVC-770 ppm 8/5/03
MW-3
OVC-1,247 ppm 8/5/03
GAS
℄ Dirt Road
MW-17
OVC-5.6 ppm 5/24/04
OIL
MW-1
OVC-NA
(~550 feet West)
MW-13
OVC-NA
MW-6
OVC-36.9 ppm 8/6/03
MW-5
OVC-37.4 ppm 8/6/03
Release Area
(~11,600 square-feet)
OIL
MW-11
OVC-NA
MW-12
OVC-NA
MW-16
OVC-ND 5/26/04
MW-15
OVC-ND 5/26/04
LEGEND
℄ Dirt Road Access Road
OIL Oil Pipeline
GAS Natural Gas Pipeline
Monitoring Well
Leak Origin
Klein Irrigation Well
Fence
Utility Pole/Lines
NA Not Analyzed
ND Not Detected
978 ppm OVC Concentration
800 Concentration Contour
Figure 7
Field Organic Vapor Concentrations – 18–20'
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003–00017
Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl
DWG By: Daniel Dominguez
June 2006
REVISED:
0
60
120
Feet
SHEET
1 of 1
N

Proposed Excavation to 8–ft bgs.
(~23,470 – sq. feet)

Organic Vapor Concentrations at 8 to 10–ft bgs.

Utility Poles/Lines

MW–7
OVC–NA

MW–8
OVC–NA

MW–9
OVC–NA

Recovery System

MW–2
OVC–NA

MW–14
OVC–33.4 ppm 5/24/04

MW–10
OVC–NA

MW–4
OVC–506 ppm 8/5/03

MW–3
OVC–990 ppm 8/5/03

MW–17
OVC–10.9 ppm 5/24/04

℄ Dirt Road

MW–1
OVC–NA

(~550 feet West)

MW–13
OVC–NA

MW–6
OVC–62.7 ppm 8/6/03

MW–5
OVC–13.4 ppm 8/6/03

Release Area
(~11,600 square–feet)

Klein Irrigation Well

MW–11
OVC–NA

MW–12
OVC–NA

MW–16
OVC–36.9 ppm 5/26/04

MW–15
OVC–ND 5/26/04

GAS

OIL

200

400

600

800

Figure 8
Proposed Excavation Map
Plains All American Pipeline, LP
Hobbs Junction Mainline
#2003–00017

Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

DWG By: Daniel Dominguez
June 2006

REVISED:

0 60 120
Feet

SHEET
1 of 1

N

TABLES

Table 1

Summary of Soil Sample Laboratory Analytical Results

Plains Pipeline, LLC-Hobbs Junction Mainline (Ref. #2003-00017)

Location	Depth (feet)	SAMPLE I.D.	Sample Date	Soil Status	Lithology	PID analyses (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
MW1 (BH1) (PSH) [B]	2	SEHM21303BH1-2	13-Feb-03	In Situ	Caliche	--	**169**	981	562	942	**2,650**	21,400	31,700	**53,100**	21.8	52.3
	5	SEHM21303BH1-5	13-Feb-03	In Situ	Caliche	--	**38.8**	177	107	164	**487**	3,950	6,070	**10,020**	--	--
	10	SEHM21303BH1-10	13-Feb-03	In Situ	Caliche	--	**44.6**	196	113	176	**529**	2,650	3,860	**6,510**	--	--
	15	SEHM21303BH1-15	13-Feb-03	In Situ	Caliche	--	**27.3**	142	98.4	156	**424**	3,940	6,710	**10,650**	--	--
	20	SEHM21303BH1-20	13-Feb-03	In Situ	Caliche	--	**10.6**	84.5	66.3	111	**272**	2,990	5,870	**8,860**	--	--
	25	SEHM21303BH1-25	13-Feb-03	In Situ	Tan Sand	--	9.75	95.5	94.2	150	**349**	2,820	5,760	**8,580**	--	--
MW2 (PSH)	5	SEHM8503MW2-5	05-Aug-03	In Situ	Caliche	--	--	--	--	--	--	--	--	--	--	--
	10	SEHM8503MW2-10	05-Aug-03	In Situ	Caliche	--	--	--	--	--	--	--	--	--	--	--
	15	SEHM8503MW2-15	05-Aug-03	In Situ	Caliche	--	--	--	--	--	--	--	--	--	--	--
	20	SEHM8503MW2-20	05-Aug-03	In Situ	Caliche	--	--	--	--	--	--	--	--	--	--	--
	25	SEHM8503MW2-25	05-Aug-03	In Situ	Tan Sand	--	--	--	--	--	--	--	--	--	--	--
	30	SEHM8503MW2-30	05-Aug-03	In Situ	Tan Sand	--	--	--	--	--	--	--	--	--	--	--
	35	SEHM8503MW2-35	05-Aug-03	In Situ	Tan Sand	--	--	--	--	--	--	--	--	--	--	--
	40	SEHM8503MW2-40	05-Aug-03	In Situ	Tan Sand	--	--	--	--	--	--	--	--	--	--	--
MW3 (PSH)	5	SEHM8503MW3-5	05-Aug-03	In Situ	Tan Caliche Sand	978	--	--	--	--	--	--	--	--	--	--
	10	SEHM8503MW3-10	05-Aug-03	In Situ	Brown Caliche Sand	990	--	--	--	--	--	--	--	--	--	--
	15	SEHM8503MW3-15	05-Aug-03	In Situ	Brown Caliche Sand	1,040	--	--	--	--	--	--	--	--	--	--
	20	SEHM8503MW3-20	05-Aug-03	In Situ	Tan Sand	1,247	--	--	--	--	--	--	--	--	--	--
	25	SEHM8503MW3-25	05-Aug-03	In Situ	Brown Caliche Sand	1,800	--	--	--	--	--	--	--	--	--	--
	30	SEHM8503MW3-30	05-Aug-03	In Situ	Brown Sand	1,450	--	--	--	--	--	--	--	--	--	--
	35	SEHM8503MW3-35	05-Aug-03	In Situ	Fine Brown Sand	1,576	--	--	--	--	--	--	--	--	--	--
	40	SEHM8503MW3-40	05-Aug-03	In Situ	Fine Brown Sand	1,860	--	--	--	--	--	--	--	--	--	--
MW4 (PSH)	5	SEHM8503MW4-5	05-Aug-03	In Situ	Brown Sand	850	--	--	--	--	--	--	--	--	--	--
	10	SEHM8503MW4-10	05-Aug-03	In Situ	Brown Sand	506	--	--	--	--	--	--	--	--	--	--
	15	SEHM8503MW4-15	05-Aug-03	In Situ	Brown Caliche Sand	710	--	--	--	--	--	--	--	--	--	--
	20	SEHM8503MW4-20	05-Aug-03	In Situ	Brown Sand	770	--	--	--	--	--	--	--	--	--	--
	25	SEHM8503MW4-25	05-Aug-03	In Situ	Brown Sand	690	--	--	--	--	--	--	--	--	--	--
	30	SEHM8503MW4-30	05-Aug-03	In Situ	Brown Sand	750	--	--	--	--	--	--	--	--	--	--
	35	SEHM8503MW4-35	05-Aug-03	In Situ	Fine Brown Sand	900	--	--	--	--	--	--	--	--	--	--
	40	SEHM8503MW4-40	05-Aug-03	In Situ	Fine Brown Oily Sand	1,350	--	--	--	--	--	--	--	--	--	--
MW5 (PSH)	5	SEHM8603MW5-5	06-Aug-03	In Situ	Tan Caliche Sand	6.7	--	--	--	--	--	--	--	--	--	--
	10	SEHM8603MW5-10	06-Aug-03	In Situ	Tan Caliche Sand	13.4	--	--	--	--	--	--	--	--	--	--
	15	SEHM8603MW5-15	06-Aug-03	In Situ	Tan Caliche Sand	30.7	--	--	--	--	--	--	--	--	--	--
	20	SEHM8603MW5-20	06-Aug-03	In Situ	Tan Sand	37.4	--	--	--	--	--	--	--	--	--	--
	25	SEHM8603MW5-25	06-Aug-03	In Situ	Brown Sand	18.6	--	--	--	--	--	--	--	--	--	--
	30	SEHM8603MW5-30	06-Aug-03	In Situ	Tan Caliche Sand	15	--	--	--	--	--	--	--	--	--	--
	35	SEHM8603MW5-35	06-Aug-03	In Situ	Brown Sand	1,880	--	--	--	--	--	--	--	--	--	--
	40	SEHM8603MW5-40	06-Aug-03	In Situ	Fine Brown Oily Sand	1,900	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Soil Sample Laboratory Analytical Results

Plains Pipeline, LLC-Hobbs Junction Mainline (Ref. #2003-00017)

Location	Depth (feet)	SAMPLE I.D.	Sample Date	Soil Status	Lithology	PID analyses (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
MW6 (PSH)	5	SEHM8603MW6-5	06-Aug-03	In Situ	Tan Caliche Sand	14.5	--	--	--	--	--	--	--	--	--	--
	10	SEHM8603MW6-10	06-Aug-03	In Situ	Tan Caliche Sand	62.7	--	--	--	--	--	--	--	--	--	--
	15	SEHM8603MW6-15	06-Aug-03	In Situ	Tan Caliche Sand	70.4	--	--	--	--	--	--	--	--	--	--
	20	SEHM8603MW6-20	06-Aug-03	In Situ	Tan Sand	36.9	--	--	--	--	--	--	--	--	--	--
	25	SEHM8603MW6-25	06-Aug-03	In Situ	Tan Sand	39.4	--	--	--	--	--	--	--	--	--	--
	30	SEHM8603MW6-30	06-Aug-03	In Situ	Tan Sand	27.5	--	--	--	--	--	--	--	--	--	--
	35	SEHM8603MW6-35	06-Aug-03	In Situ	Brown Sand	1,150	--	--	--	--	--	--	--	--	--	--
	40	SEHM8603MW6-40	06-Aug-03	In Situ	Fine Brown Oily Sand	2,400	--	--	--	--	--	--	--	--	--	--
MW7	23	SSL11904MW7	19-Jan-04	In Situ	Tan Caliche Sand	1.8	--	--	--	--	--	--	--	--	--	--
	40	SSL11904MW7	19-Jan-04	In Situ	Brown Wet Sand	0.6	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
MW8	23	SSL11904MW8	19-Jan-04	In Situ	Brown Sand	5.2	--	--	--	--	--	--	--	--	--	--
	40	SSL11904MW8	19-Jan-04	In Situ	Brown Wet Sand	13.6	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
MW9	23	SSL11904MW9	19-Jan-04	In Situ	Brown Sand	5.8	--	--	--	--	--	--	--	--	--	--
	40	SSL11904MW9	19-Jan-04	In Situ	Brown Wet Sand	10.1	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
MW10	23	SSL12004MW10	20-Jan-04	In Situ	Red Brown Sand	5.2	--	--	--	--	--	--	--	--	--	--
	40	SSL12004MW10	20-Jan-04	In Situ	Red Brown Wet Sand	9.8	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
MW11	23	SSL012004MW11	20-Jan-04	In Situ	Tan Sand	4.8	--	--	--	--	--	--	--	--	--	--
	40	SSL012004MW11	20-Jan-04	In Situ	Red Brown Wet Sand	9.6	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
MW12 (PSH)	23	SSL012004MW12	20-Jan-04	In Situ	Tan Caliche Sand	21.9	--	--	--	--	--	--	--	--	--	--
	40	SSL012004MW12	20-Jan-04	In Situ	Red Brown Sand	456	8.84	98.0	54.2	94.3	**255**	1,910	3,490	**5,400**	--	--
MW13	23	SSL012004MW13	20-Jan-04	In Situ	Tan Caliche Sand	11.4	--	--	--	--	--	--	--	--	--	--
	40	SSL012004MW13	20-Jan-04	In Situ	Red Brown Wet Sand	7	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
MW14 (PSH)	3	LSHJM5-24-04MW14 (3'-5')	24-May-04	In Situ	Caliche	81.8	--	--	--	--	--	--	--	--	--	--
	8	LSHJM5-24-04MW14 (8'-10')	24-May-04	In Situ	Caliche	33.4	--	--	--	--	--	--	--	--	--	--
	13	LSHJM5-24-04MW14 (13'-15')	24-May-04	In Situ	Caliche	23.8	--	--	--	--	--	--	--	--	--	--
	18	LSHJM5-24-04MW14 (18'-20')	24-May-04	In Situ	Caliche	102	--	--	--	--	--	--	--	--	--	--
	23	LSHJM5-24-04MW14 (23'-25')	24-May-04	In Situ	Tan Sand	73.3	--	--	--	--	--	--	--	--	--	--
	28	LSHJM5-24-04MW14 (28'-30')	24-May-04	In Situ	Tan Sand	170	--	--	--	--	--	--	--	--	--	--
	33	LSHJM5-24-04MW14 (33'-35')	24-May-04	In Situ	Tan Sand	76.7	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
	38	LSHJM5-24-04MW14 (38'-40')	24-May-04	In Situ	Tan Sand	394	--	--	--	--	--	--	--	--	--	--
	43	LSHJM5-24-04MW14 (43'-45')	24-May-04	In Situ	Tan Sand	58.3	--	--	--	--	--	--	--	--	--	--
MW15	3	LSHJM5-26-04MW15 (3'-5')	26-May-04	In Situ	Caliche	7.7	--	--	--	--	--	--	--	--	--	--
	8	LSHJM5-26-04MW15 (8'-10')	26-May-04	In Situ	Caliche	0	--	--	--	--	--	--	--	--	--	--
	13	LSHJM5-26-04MW15 (13'-15')	26-May-04	In Situ	Caliche	0	--	--	--	--	--	--	--	--	--	--
	18	LSHJM5-26-04MW15 (18'-20')	26-May-04	In Situ	Caliche	0	--	--	--	--	--	--	--	--	--	--
	23	LSHJM5-26-04MW15 (23'-25')	26-May-04	In Situ	Tan Sand	0	--	--	--	--	--	--	--	--	--	--
	28	LSHJM5-26-04MW15 (28'-30')	26-May-04	In Situ	Tan Sand	4.5	--	--	--	--	--	--	--	--	--	--
	33	LSHJM5-26-04MW15 (33'-35')	26-May-04	In Situ	Tan Caliche Sand	32.5	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
	38	LSHJM5-26-04MW15 (38'-40')	26-May-04	In Situ	Tan Sand	0	--	--	--	--	--	--	--	--	--	--
	43	LSHJM5-26-04MW15 (43'-45')	26-May-04	In Situ	Tan Sand	8.1	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Soil Sample Laboratory Analytical Results

Plains Pipeline, LLC-Hobbs Junction Mainline (Ref. #2003-00017)

Location	Depth (feet)	SAMPLE I.D.	Sample Date	Soil Status	Lithology	PID analyses (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
MW16	3	LSHJM5-26-04MW16 (3'-5')	26-May-04	In Situ	Caliche	0	--	--	--	--	--	--	--	--	--	--
	8	LSHJM5-26-04MW16 (8'-10')	26-May-04	In Situ	Caliche	36.9	--	--	--	--	--	--	--	--	--	--
	13	LSHJM5-26-04MW16 (13'-15')	26-May-04	In Situ	Caliche	0.3	--	--	--	--	--	--	--	--	--	--
	18	LSHJM5-26-04MW16 (18'-20')	26-May-04	In Situ	Caliche	0	--	--	--	--	--	--	--	--	--	--
	23	LSHJM5-26-04MW16 (23'-25')	26-May-04	In Situ	Tan Caliche Sand	117	--	--	--	--	--	--	--	--	--	--
	28	LSHJM5-26-04MW16 (28'-30')	26-May-04	In Situ	Tan Caliche Sand	287	--	--	--	--	--	--	--	--	--	--
	33	LSHJM5-26-04MW16 (33'-35')	26-May-04	In Situ	Tan Sand	413	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
	38	LSHJM5-26-04MW16 (38'-40')	26-May-04	In Situ	Tan Sand	436	--	--	--	--	--	--	--	--	--	--
	40	LSHJM5-26-04MW16 (43'-45')	26-May-04	In Situ	Tan Sand	180	--	--	--	--	--	--	--	--	--	--
MW17 (PSH)	3	LSHJM5-24-04MW17 (3'-5')	24-May-04	In Situ	Caliche	4.1	--	--	--	--	--	--	--	--	--	--
	8	LSHJM5-24-04MW17 (8'-10')	24-May-04	In Situ	Caliche	10.9	--	--	--	--	--	--	--	--	--	--
	13	LSHJM5-24-04MW17 (13'-15')	24-May-04	In Situ	Caliche	6.5	<0.020	<0.020	<0.020	<0.060	<0.120	<5	<2.5	<7.5	--	--
	18	LSHJM5-24-04MW17 (18'-20')	24-May-04	In Situ	Caliche	5.6	--	--	--	--	--	--	--	--	--	--
	23	LSHJM5-24-04MW17 (23'-25')	24-May-04	In Situ	Tan Sand	13.2	--	--	--	--	--	--	--	--	--	--
	28	LSHJM5-26-04MW17 (28'-30')	26-May-04	In Situ	Tan Sand	130	--	--	--	--	--	--	--	--	--	--
	34	LSHJM5-26-04MW17 (34'-36')	26-May-04	In Situ	Tan Sand	1,189	**19.1**	86.8	49.8	73.1	**229**	1,880	3,110	**4,990**	--	--
	38	LSHJM5-26-04MW17 (38'-40')	26-May-04	In Situ	Tan Sand	387	--	--	--	--	--	--	--	--	--	--
	40	LSHJM5-26-04MW17 (43'-45')	26-May-04	In Situ	Tan Sand	107	--	--	--	--	--	--	--	--	--	--
NMOCD Remedial Thresholds							**10**				**50**			**100**	**600** [A]	**250** [A]

Bolded *values are in excess of NMOCD Remediation Thresholds*

[A] *Chloride and Sulfate residuals may not be capable of impacting local groundwater above the NMWQCC groundwater standards 250 and 600 mg/L, respectively.*

[B] *Indicates Phase Seperated Hydorcarbons (PSH) detected during drilling activities.*

APPENDICES

APPENDIX A

Analytical Reports
and
Chain-of-Custody Forms

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 139653 **Report Date:** 03/04/03
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-2
Sample Matrix: soil
Date Received: 02/20/2003 **Time:** 10:30
Date Sampled: 02/13/2003 **Time:** 08:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**31700**	mg/Kg	500	<500	02/27/03	8015 mod.	---	3.9	90.4	107.8	118.4
TPH by GC (as diesel-ext)	---	---	---	---	02/27/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**21400**	mg/Kg	500	<500	02/27/03	8015 mod.	---	14.3	74.3	116	103.6
Chloride	**52.3**	mg/Kg	2.5	<2.5	02/21/03	325.2&9251	---	5.21	111.51	104.82	96.35
Sulfate	**21.8**	mg/Kg	5	<5	02/21/03	375.4&9038	---	4.04	111.01	107.84	112.89
Volatile organics-8260b/BTEX	---		---		02/24/03	8260b	---	---	---	---	---
Benzene	**169000**	µg/Kg	5000	<5000	02/24/03	8260b	---	3.2	79.8	102.9	102.5
Ethylbenzene	**562000**	µg/Kg	5000	<5000	02/24/03	8260b	---	1.6	123.3	118	117.5
m,p-Xylenes	**678000**	µg/Kg	5000	<5000	02/24/03	8260b	---	0.2	123	110.9	114.5
o-Xylene	**264000**	µg/Kg	5000	<5000	02/24/03	8260b	---	0.8	123	110	117
Toluene	**981000**	µg/Kg	5000	<5000	02/24/03	8260b	---	2.5	101.9	106.9	111.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSIS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003 - 00017 Hobbs Main	**Report#/Lab ID#:** 139653
Attn: Pat McCasland	**Sample Name:** SEHM21303BH1-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 139653 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1,2-Dichloroethane-d4	D	levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Nitrobenzene-d5	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Toluene-d8	D	levels). Surrogate recoveries not accurately quantifiable.

Notes:

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 139654 **Report Date:** 03/04/03
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-5
Sample Matrix: soil
Date Received: 02/20/2003 **Time:** 10:30
Date Sampled: 02/13/2003 **Time:** 09:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**6070**	mg/Kg	50	<50	02/27/03	8015 mod.	---	3.9	90.4	107.8	118.4
TPH by GC (as diesel-ext)	---	---	---	---	02/27/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**3950**	mg/Kg	50	<50	02/27/03	8015 mod.	---	14.3	74.3	116	103.6
Volatile organics-8260b/BTEX	---		---		02/24/03	8260b	---	---	---	---	---
Benzene	**38800**	µg/Kg	1000	<1000	02/24/03	8260b	---	3.2	79.8	102.9	102.5
Ethylbenzene	**107000**	µg/Kg	1000	<1000	02/24/03	8260b	---	1.6	123.3	118	117.5
m,p-Xylenes	**117000**	µg/Kg	1000	<1000	02/24/03	8260b	---	0.2	123	110.9	114.5
o-Xylene	**47300**	µg/Kg	1000	<1000	02/24/03	8260b	---	0.8	123	110	117
Toluene	**177000**	µg/Kg	1000	<1000	02/24/03	8260b	---	2.5	101.9	106.9	111.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003 - 00017 Hobbs Main	**Report#/Lab ID#:** 139654
Attn: Pat McCasland	**Sample Name:** SEHM21303BH1-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	**none/diluted**	diluted @ 5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 139654 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-5

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

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Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 139655 **Report Date:** 03/04/03
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-10
Sample Matrix: soil
Date Received: 02/20/2003 **Time:** 10:30
Date Sampled: 02/13/2003 **Time:** 09:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**3860**	mg/Kg	50	<50	02/27/03	8015 mod.	---	3.9	90.4	107.8	118.4
TPH by GC (as diesel-ext)	---	---	---	---	02/27/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**2650**	mg/Kg	50	<50	02/27/03	8015 mod.	---	14.3	74.3	116	103.6
Volatile organics-8260b/BTEX	---		---		02/24/03	8260b	---	---	---	---	---
Benzene	**44600**	µg/Kg	5000	<5000	02/24/03	8260b	---	3.2	79.8	102.9	102.5
Ethylbenzene	**113000**	µg/Kg	5000	<5000	02/24/03	8260b	---	1.6	123.3	118	117.5
m,p-Xylenes	**127000**	µg/Kg	5000	<5000	02/24/03	8260b	---	0.2	123	110.9	114.5
o-Xylene	**48600**	µg/Kg	5000	<5000	02/24/03	8260b	---	0.8	123	110	117
Toluene	**196000**	µg/Kg	5000	<5000	02/24/03	8260b	---	2.5	101.9	106.9	111.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003 - 00017 Hobbs Main	**Report#/Lab ID#:** 139655
Attn: Pat McCasland	**Sample Name:** SEHM21303BH1-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	**none/diluted**	diluted @ 5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 139656 **Report Date:** 03/04/03
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-15
Sample Matrix: soil
Date Received: 02/20/2003 **Time:** 10:30
Date Sampled: 02/13/2003 **Time:** 10:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**6710**	mg/Kg	50	<50	02/27/03	8015 mod.	---	3.9	90.4	107.8	118.4
TPH by GC (as diesel-ext)	---	---	---	---	02/27/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**3940**	mg/Kg	50	<50	02/27/03	8015 mod.	---	14.3	74.3	116	103.6
Volatile organics-8260b/BTEX	---		---		02/21/03	8260b	---	---	---	---	---
Benzene	**27300**	µg/Kg	1000	<1000	02/21/03	8260b	---	3.2	79.8	102.9	102.5
Ethylbenzene	**98400**	µg/Kg	1000	<1000	02/21/03	8260b	---	1.6	123.3	118	117.5
m,p-Xylenes	**112000**	µg/Kg	1000	<1000	02/21/03	8260b	---	0.2	123	110.9	114.5
o-Xylene	**44100**	µg/Kg	1000	<1000	02/21/03	8260b	---	0.8	123	110	117
Toluene	**142000**	µg/Kg	1000	<1000	02/21/03	8260b	---	2.5	101.9	106.9	111.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Exceptions Report:

Report #/Lab ID#: 139655 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-10

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003 - 00017 Hobbs Main	**Report#/Lab ID#:** 139656
Attn: Pat McCasland	**Sample Name:** SEHM21303BH1-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	**none/diluted**	diluted @ 5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 139656 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-15

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1,2-Dichloroethane-d4	D	levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Nitrobenzene-d5	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Toluene-d8	D	levels). Surrogate recoveries not accurately quantifiable.

Notes:

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 139657 **Report Date:** 03/04/03
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-20
Sample Matrix: soil
Date Received: 02/20/2003 **Time:** 10:30
Date Sampled: 02/13/2003 **Time:** 11:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**5870**	mg/Kg	50	<50	02/27/03	8015 mod.	---	3.9	90.4	107.8	118.4
TPH by GC (as diesel-ext)	---	---	---	---	02/27/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**2990**	mg/Kg	50	<50	02/27/03	8015 mod.	---	14.3	74.3	116	103.6
Volatile organics-8260b/BTEX	---		---		02/24/03	8260b	---	---	---	---	---
Benzene	**10600**	µg/Kg	1000	<1000	02/24/03	8260b	---	3.2	79.8	102.9	102.5
Ethylbenzene	**66300**	µg/Kg	1000	<1000	02/24/03	8260b	---	1.6	123.3	118	117.5
m,p-Xylenes	**77600**	µg/Kg	1000	<1000	02/24/03	8260b	---	0.2	123	110.9	114.5
o-Xylene	**32900**	µg/Kg	1000	<1000	02/24/03	8260b	---	0.8	123	110	117
Toluene	**84500**	µg/Kg	1000	<1000	02/24/03	8260b	---	2.5	101.9	106.9	111.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. *Data Qualifiers are J = analyte potentially present between the PQL and the MDL.* B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSIS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003 - 00017 Hobbs Main	**Report#/Lab ID#:** 139657
Attn: Pat McCasland	**Sample Name:** SEHM21303BH1-20	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	**none/diluted**	diluted @ 5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 139657 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-20

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
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J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 139658 **Report Date:** 03/04/03
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-25
Sample Matrix: soil
Date Received: 02/20/2003 **Time:** 10:30
Date Sampled: 02/13/2003 **Time:** 13:55

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**5760**	mg/Kg	50	<50	02/27/03	8015 mod.	---	3.9	90.4	107.8	118.4
TPH by GC (as diesel-ext)	---	---	---	---	02/27/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**2820**	mg/Kg	50	<50	02/27/03	8015 mod.	---	14.3	74.3	116	103.6
Volatile organics-8260b/BTEX	---		---		02/21/03	8260b	---	---	---	---	---
Benzene	**9750**	µg/Kg	5000	<5000	02/21/03	8260b	---	3.2	79.8	102.9	102.5
Ethylbenzene	**94200**	µg/Kg	5000	<5000	02/21/03	8260b	---	1.6	123.3	118	117.5
m,p-Xylenes	**106000**	µg/Kg	5000	<5000	02/21/03	8260b	---	0.2	123	110.9	114.5
o-Xylene	**43600**	µg/Kg	5000	<5000	02/21/03	8260b	---	0.8	123	110	117
Toluene	**95500**	µg/Kg	5000	<5000	02/21/03	8260b	---	2.5	101.9	106.9	111.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003 - 00017 Hobbs Main	**Report#/Lab ID#:** 139658
Attn: Pat McCasland	**Sample Name:** SEHM21303BH1-25	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	**none/diluted**	diluted @ 5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 139658 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003 - 00017 Hobbs Main
Sample Name: SEHM21303BH1-25

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

AIN-OF-C''STODY

ANALYSIS 5255

4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Reports To:

pany Name Environmental Plus
ess 2100 Ave O
EUN, Co State N.M Zip 88231
N: Pat McCasland / John Good
ıe 505-394-3481 Fax 505-394-2601
ı Status (must be confirmed with lab mgr.):
ːct Name/PO#: 2003-00017 Hobbs Main Sampler: Bradley Blevins

Bill to (if different):

Company Name Exxt Energy
Address 5805 Hwy 80
City Midland State TX Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. / Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015m	BTEX 8021b	Chloride	Sulfate					Comments
SEHM21303BH1-2'	2-13-03	8:40	1	X			139653	X	X	X	X					
SEHM21303BH1-5'	2-13-03	9:10	1	X			139654	X	X							
SEHM21303BH1-10'	2-13-03	9:40	1	X			139655	X	X							
SEHM21303BH1-15'	2-13-03	10:25	1	X			139656	X	X							
SEHM21303BH1-20'	2-13-03	11:45	1	X			139657	X	X							
SEHM21303BH1-25'	2-13-03	1:55	1	X			139658	X	X							

ss specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or SL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.5°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
B. B.	Environmental Plus	2/13/03		Melanie Humphrey	ASI	2/20/03	10:30

lering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152059 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL11904MW7
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/19/2004 **Time:** 11:00

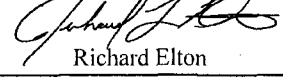
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/26/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/26/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/27/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	0.7	93.9	104	101.6
Ethylbenzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.7	102.4	107.6
m,p-Xylenes	<40	µg/Kg	40	<40	01/27/04	8260b	---	1.5	97.9	102.1	108.7
o-Xylene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.2	103.6	109.1
Toluene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	95.3	104.7	106.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152059
Attn: Pat McCasland	**Sample Name:** SSL11904MW7	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	73.8	36-140	---
p-Terphenyl	8015 mod.	60.9	40-121	---
1,2-Dichloroethane-d4	8260b	84.8	56-120	---
Toluene-d8	8260b	87.5	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys, Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152060 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL11904MW8
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/19/2004 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/26/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/26/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/27/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	0.7	93.9	104	101.6
Ethylbenzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.7	102.4	107.6
m,p-Xylenes	<40	µg/Kg	40	<40	01/27/04	8260b	---	1.5	97.9	102.1	108.7
o-Xylene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.2	103.6	109.1
Toluene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	95.3	104.7	106.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152060
Attn: Pat McCasland	**Sample Name:** SSL11904MW8	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	66	36-140	---
p-Terphenyl	8015 mod.	57.7	40-121	---
1,2-Dichloroethane-d4	8260b	86.9	56-120	---
Toluene-d8	8260b	86.7	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152061 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL11904MW9
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/19/2004 **Time:** 16:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/26/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/26/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/27/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	0.7	93.9	104	101.6
Ethylbenzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.7	102.4	107.6
m,p-Xylenes	<40	µg/Kg	40	<40	01/27/04	8260b	---	1.5	97.9	102.1	108.7
o-Xylene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.2	103.6	109.1
Toluene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	95.3	104.7	106.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSIS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152061
Attn: Pat McCasland	**Sample Name:** SSL11904MW9	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.2	36-140	---
p-Terphenyl	8015 mod.	69.5	40-121	---
1,2-Dichloroethane-d4	8260b	83.7	56-120	---
Toluene-d8	8260b	89.9	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152062 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL12004MW10
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/20/2004 **Time:** 08:50

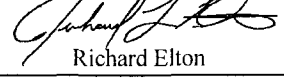
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/26/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/26/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/27/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	0.7	93.9	104	101.6
Ethylbenzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.7	102.4	107.6
m,p-Xylenes	<40	µg/Kg	40	<40	01/27/04	8260b	---	1.5	97.9	102.1	108.7
o-Xylene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.2	103.6	109.1
Toluene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	95.3	104.7	106.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s *Quality Assurance/Quality Control* Program.

Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152062
Attn: Pat McCasland	**Sample Name:** SSL12004MW10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.7	36-140	---
p-Terphenyl	8015 mod.	69	40-121	---
1,2-Dichloroethane-d4	8260b	83.3	56-120	---
Toluene-d8	8260b	83.5	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152063 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL012004MW11
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/20/2004 **Time:** 10:48

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/26/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/26/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/27/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	0.7	93.9	104	101.6
Ethylbenzene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.7	102.4	107.6
m,p-Xylenes	<40	µg/Kg	40	<40	01/27/04	8260b	---	1.5	97.9	102.1	108.7
o-Xylene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	96.2	103.6	109.1
Toluene	<20	µg/Kg	20	<20	01/27/04	8260b	---	1.4	95.3	104.7	106.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152063
Attn: Pat McCasland	**Sample Name:** SSL012004MW11	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	78.3	36-140	---
p-Terphenyl	8015 mod.	68.6	40-121	---
1,2-Dichloroethane-d4	8260b	83.7	56-120	---
Toluene-d8	8260b	87.5	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152064 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL012004MW12
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/20/2004 **Time:** 15:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**3490**	mg/Kg	12.5	<12.5	01/27/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	**1910**	mg/Kg	25	<25	01/27/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**8840**	µg/Kg	1000	<1000	01/29/04	8260b	---	5.3	91	110.6	98
Ethylbenzene	**54200**	µg/Kg	1000	<1000	01/29/04	8260b	---	3.6	89.6	108.9	108.5
m,p-Xylenes	**68800**	µg/Kg	2000	<2000	01/29/04	8260b	---	3.6	90.9	109	110.7
o-Xylene	**25500**	µg/Kg	1000	<1000	01/29/04	8260b	---	5.3	88	108.7	110.1
Toluene	**98000**	µg/Kg	1000	<1000	01/29/04	8260b	---	4.3	92.1	110.9	103.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152064
Attn: Pat McCasland	**Sample Name:** SSL012004MW12	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 2.5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 2.5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 152064 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00017
Sample Name: SSL012004MW12

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 152065 **Report Date:** 01/29/04
Project ID: 2003-00017
Sample Name: SSL012004MW13
Sample Matrix: soil
Date Received: 01/22/2004 **Time:** 09:50
Date Sampled: 01/20/2004 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/27/04	8015 mod.	---	10.8	67.6	96.6	89.5
TPH by GC (as diesel-ext)	---	---	---	---	01/26/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/27/04	8015 mod.	---	12.3	92.2	87.4	82.4
Volatile organics-8260b/BTEX	---		---		01/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	01/28/04	8260b	---	5.3	91	110.6	98
Ethylbenzene	<20	µg/Kg	20	<20	01/28/04	8260b	---	3.6	89.6	108.9	108.5
m,p-Xylenes	<40	µg/Kg	40	<40	01/28/04	8260b	---	3.6	90.9	109	110.7
o-Xylene	<20	µg/Kg	20	<20	01/28/04	8260b	---	5.3	88	108.7	110.1
Toluene	<20	µg/Kg	20	<20	01/28/04	8260b	---	4.3	92.1	110.9	103.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
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Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 152065
Attn: Pat McCasland	**Sample Name:** SSL012004MW13	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	64.7	36-140	---
p-Terphenyl	8015 mod.	56.3	40-121	---
1,2-Dichloroethane-d4	8260b	85.2	56-120	---
Toluene-d8	8260b	85.9	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Phone: (361) 289-6384 Fax: (361) 289-0875

Send Reports To:
Company Name: Environmental Plus
Address: 2100 Ave
City: Eunice State: NM Zip: 88231
ATTN: Pat McCasland
Phone: 505-394-3481 Fax: 505-394-2601

Bill to (if different):
Company Name: Link Energy
Address: 5805 Hwy 80
City: Midland State: TX Zip: 79701
ATTN: Frank Hernandez
Phone: 505-631-3095 Fax: 505-396-2754

Rush Status (must be confirmed with lab mgr.): _____
Project Name/PO#: 2003 cont Sampler: Brett Clay

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015M	BTEX 8021B	Comments
SSL11904 MW 7	1-19	11:00	1	✓			152059	X	X	
SSL11904 MW 8	1-19	2:30	1	✓			152060	X	X	
SSL11904 MW 9	1-19	4:35	1	✓			152061	X	X	
SSL11904 MW 10	1-20	8:50	1	✓			152062	X	X	
SSL012004 MW 11	1-20	10:48	1	✓			152063	X	X	
SSL012004 MW 12	1-20	15:45	1	✓			152064	X	X	
SSL012004 MW 13	1-20	14:00	1	✓			152065	X	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T: 5.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Brett Clay	Environmental Plus	1-20	15:00	[signature]	ASI	1/22/04	0950

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 156254 **Report Date:** 06/04/04
Project ID: 2003-00017
Sample Name: LSHJM5-24-04MW14 (13'-15')
Sample Matrix: soil
Date Received: 05/28/2004 **Time:** 10:15
Date Sampled: 05/24/2004 **Time:** 09:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
TPH by GC (as diesel-ext)	---	---	---	---	06/02/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Volatile organics-8260b/BTEX	---		---		06/03/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	13.5	94.4	93.2	86.8
Ethylbenzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	0.9	101.7	105.1	103.6
m,p-Xylenes	<40	µg/Kg	40	<40	06/03/04	8260b	---	6.3	109.4	100.6	101.8
o-Xylene	<20	µg/Kg	20	<20	06/03/04	8260b	---	3.6	115.1	109.5	109.9
Toluene	<20	µg/Kg	20	<20	06/03/04	8260b	---	6	101.7	102.5	91.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 156254
Attn: Iain Olness	**Sample Name:** LSHJM5-24-04MW14 (13'-15')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	52.2	36-140	---
p-Terphenyl	8015 mod.	83.1	40-121	---
1,2-Dichloroethane-d4	8260b	83.4	56-120	---
Toluene-d8	8260b	103	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 156255 **Report Date:** 06/04/04
Project ID: 2003-00017
Sample Name: LSHJM5-24-04MW14 (33'-35')
Sample Matrix: soil
Date Received: 05/28/2004 **Time:** 10:15
Date Sampled: 05/24/2004 **Time:** 10:22

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
TPH by GC (as diesel-ext)	---	---	---	---	06/02/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Volatile organics-8260b/BTEX	---		---		06/03/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	13.5	94.4	93.2	86.8
Ethylbenzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	0.9	101.7	105.1	103.6
m,p-Xylenes	<40	µg/Kg	40	<40	06/03/04	8260b	---	6.3	109.4	100.6	101.8
o-Xylene	<20	µg/Kg	20	<20	06/03/04	8260b	---	3.6	115.1	109.5	109.9
Toluene	<20	µg/Kg	20	<20	06/03/04	8260b	---	6	101.7	102.5	91.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 156255
Attn: Iain Olness	**Sample Name:** LSHJM5-24-04MW14 (33'-35')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	49.5	36-140	---
p-Terphenyl	8015 mod.	85.5	40-121	---
1,2-Dichloroethane-d4	8260b	83.4	56-120	---
Toluene-d8	8260b	99.4	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 156256 **Report Date:** 06/04/04
Project ID: 2003-00017
Sample Name: LSHJM5-24-04MW17 (13'-15')
Sample Matrix: soil
Date Received: 05/28/2004 **Time:** 10:15
Date Sampled: 05/24/2004 **Time:** 15:05

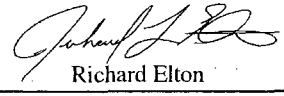
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
TPH by GC (as diesel-ext)	---	---	---	---	06/02/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Volatile organics-8260b/BTEX	---		---		06/03/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	13.5	94.4	93.2	86.8
Ethylbenzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	0.9	101.7	105.1	103.6
m,p-Xylenes	<40	µg/Kg	40	<40	06/03/04	8260b	---	6.3	109.4	100.6	101.8
o-Xylene	<20	µg/Kg	20	<20	06/03/04	8260b	---	3.6	115.1	109.5	109.9
Toluene	<20	µg/Kg	20	<20	06/03/04	8260b	---	6	101.7	102.5	91.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 156256
Attn: Iain Olness	**Sample Name:** LSHJM5-24-04MW17 (13'-15')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	59.3	36-140	---
p-Terphenyl	8015 mod.	87.8	40-121	---
1,2-Dichloroethane-d4	8260b	78.7	56-120	---
Toluene-d8	8260b	94.8	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 156257 **Report Date:** 06/04/04
Project ID: 2003-00017
Sample Name: LSHJM5-26-04MW17 (34'-36')
Sample Matrix: soil
Date Received: 05/28/2004 **Time:** 10:15
Date Sampled: 05/26/2004 **Time:** 09:04

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**3110**	mg/Kg	25	<25	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
TPH by GC (as diesel-ext)	---	---	---	---	06/02/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	**1880**	mg/Kg	50	<50	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Volatile organics-8260b/BTEX	---		---		06/03/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**19100**	µg/Kg	1000	<1000	06/03/04	8260b	---	13.5	94.4	93.2	86.8
Ethylbenzene	**49800**	µg/Kg	1000	<1000	06/03/04	8260b	---	0.9	101.7	105.1	103.6
m,p-Xylenes	**53500**	µg/Kg	2000	<2000	06/03/04	8260b	---	6.3	109.4	100.6	101.8
o-Xylene	**19600**	µg/Kg	1000	<1000	06/03/04	8260b	---	3.6	115.1	109.5	109.9
Toluene	**86800**	µg/Kg	1000	<1000	06/03/04	8260b	---	6	101.7	102.5	91.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 156257
Attn: Iain Olness	**Sample Name:** LSHJM5-26-04MW17 (34'-36')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 156257 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2003-00017
Sample Name: LSHJM5-26-04MW17 (34'-36')

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 156258 **Report Date:** 06/04/04
Project ID: 2003-00017
Sample Name: LSHJM5-26-04MW16 (33'-35')
Sample Matrix: soil
Date Received: 05/28/2004 **Time:** 10:15
Date Sampled: 05/26/2004 **Time:** 14:11

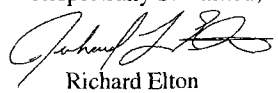
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	5.79	mg/Kg	2.5	<2.5	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
TPH by GC (as diesel-ext)	---	---	---	---	06/02/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Volatile organics-8260b/BTEX	---		---		06/03/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	13.5	94.4	93.2	86.8
Ethylbenzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	0.9	101.7	105.1	103.6
m,p-Xylenes	<40	µg/Kg	40	<40	06/03/04	8260b	---	6.3	109.4	100.6	101.8
o-Xylene	<20	µg/Kg	20	<20	06/03/04	8260b	---	3.6	115.1	109.5	109.9
Toluene	<20	µg/Kg	20	<20	06/03/04	8260b	---	6	101.7	102.5	91.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 156258
Attn: Iain Olness	**Sample Name:** LSHJM5-26-04MW16 (33'-35')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	47.5	36-140	---
p-Terphenyl	8015 mod.	74	40-121	---
1,2-Dichloroethane-d4	8260b	77.5	56-120	---
Toluene-d8	8260b	94.9	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 156259 **Report Date:** 06/04/04
Project ID: 2003-00017
Sample Name: LSHJM5-26-04MW15 (33'-35')
Sample Matrix: soil
Date Received: 05/28/2004 **Time:** 10:15
Date Sampled: 05/26/2004 **Time:** 16:18

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
TPH by GC (as diesel-ext)	---	---	---	---	06/02/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Volatile organics-8260b/BTEX	---		---		06/03/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	13.5	94.4	93.2	86.8
Ethylbenzene	<20	µg/Kg	20	<20	06/03/04	8260b	---	0.9	101.7	105.1	103.6
m,p-Xylenes	<40	µg/Kg	40	<40	06/03/04	8260b	---	6.3	109.4	100.6	101.8
o-Xylene	<20	µg/Kg	20	<20	06/03/04	8260b	---	3.6	115.1	109.5	109.9
Toluene	<20	µg/Kg	20	<20	06/03/04	8260b	---	6	101.7	102.5	91.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00017	**Report#/Lab ID#:** 156259
Attn: Iain Olness	**Sample Name:** LSHJM5-26-04MW15 (33'-35')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	66	36-140	---
p-Terphenyl	8015 mod.	88.4	40-121	---
1,2-Dichlorocthane-d4	8260b	79.3	56-120	---
Toluene-d8	8260b	96.9	71-116	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Hobbs Junction Mainline
Project Reference	2003-00017
EPI Sampler Name	Morris Burkett

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: Jimmy Bryant
PO Box 1660,
Midland, TX 79701

ANALYSIS REQUEST

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{2-})	pH	TCLP	OTHER >>>	PAH				
156254	1	LSHJM5-24-04MW14 (13'-15')	G	1			X					X		24-May	9:45	X	X									
156255	2	LSHJM5-24-04MW14 (33'-35')	G	1			X					X		24-May	10:22	X	X									
156256	3	LSHJM5-24-04MW17 (13'-15')	G	1			X					X		24-May	15:05	X	X									
156257	4	LSHJM5-26-04MW17 (34'-36')	G	1			X					X		26-May	9:04	X	X									
156258	5	LSHJM5-26-04MW16 (33'-35')	G	1			X					X		26-May	14:11	X	X									
156259	6	LSHJM5-26-04MW15 (33'-35')	G	1			X					X		26-May	16:18	X	X									
	7																									
	8																									
	9																									
	10																									

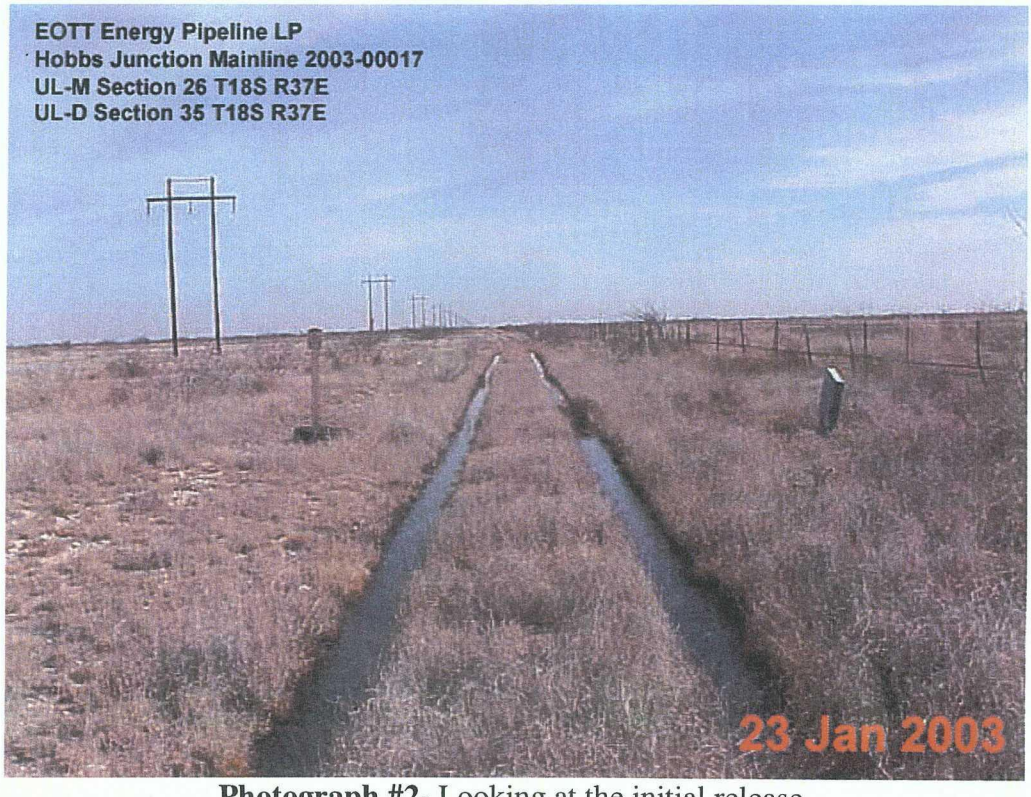
Sampler Relinquished: Iain Olness	Date 5/27/04 Time 1530	Received By:	E-mail results to: iolness@hotmail.com and enviplus1@aol.com
Relinquished by:	Date 5/28/04 Time 1015	Received By: (lab staff) L. Flynn	REMARKS:
Delivered by:	Sample Cool & Intact Yes No	Checked By:	

EPI Form "Analysis Analysis Inc Chain of Custody.xls"

APPENDIX B

Site Photographs

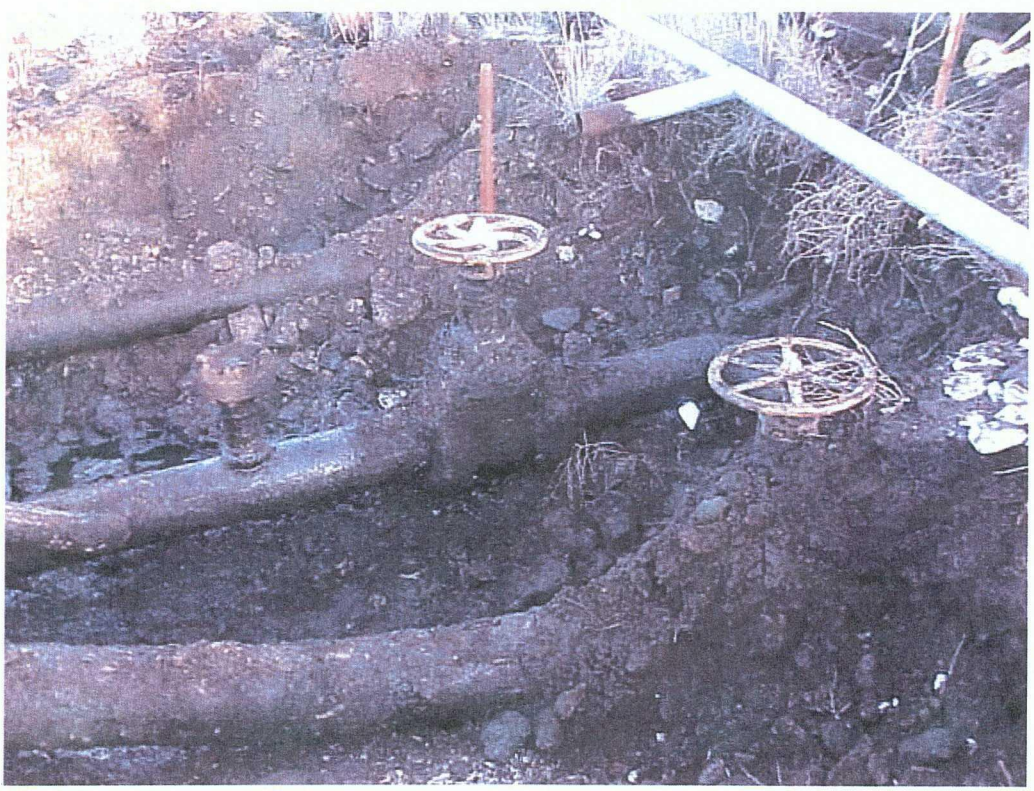
Photograph #1- Looking down at the initial release.



Photograph #2- Looking at the initial release.

EOTT Hobbs Mainline Junction (2002-00017)
UL-M Section 26 T18S R37E

Photograph #3- Looking down on excavation at point of release.



Photograph #4- Looking down on excavation at point of release.

Photograph #5- Looking easterly at recovery system.

Photograph #6- Current status, looking west.

APPENDIX C

Informational Copy of Initial C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised March 17, 1999

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	Contact
EOTT Energy Pipeline, LP	**Frank Hernandez**
Address	Telephone No.
5805 East Hwy 80	**915-638-3799**
Facility Name	Facility Type
Hobbs Junction Mainline	**10" Crude Oil Pipeline**

Surface Owner	Mineral Owner	Lease No.
State of NM	**NA**	**NA**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from South Line	Feet from West Line	Longitude	Latitude	County:
M	**26**	**18S**	**37E**	**15**	**700**	**W103:13:42.01**	**N32:42:40.85**	**Lea**

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil	**50 bbl**	**24 bbl**
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Steel Pipeline	**1/23/03-8:00 AM**	**1/23/03-10:45 AM**
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? **Sylvia Dickie - Hobbs NMOCD**	
By Whom? **Pat McCasland - EPI**	Date and Hour **1/23/03-11:35 AM**	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse. **NA**	

If a Watercourse was Impacted, Describe Fully.*
NA

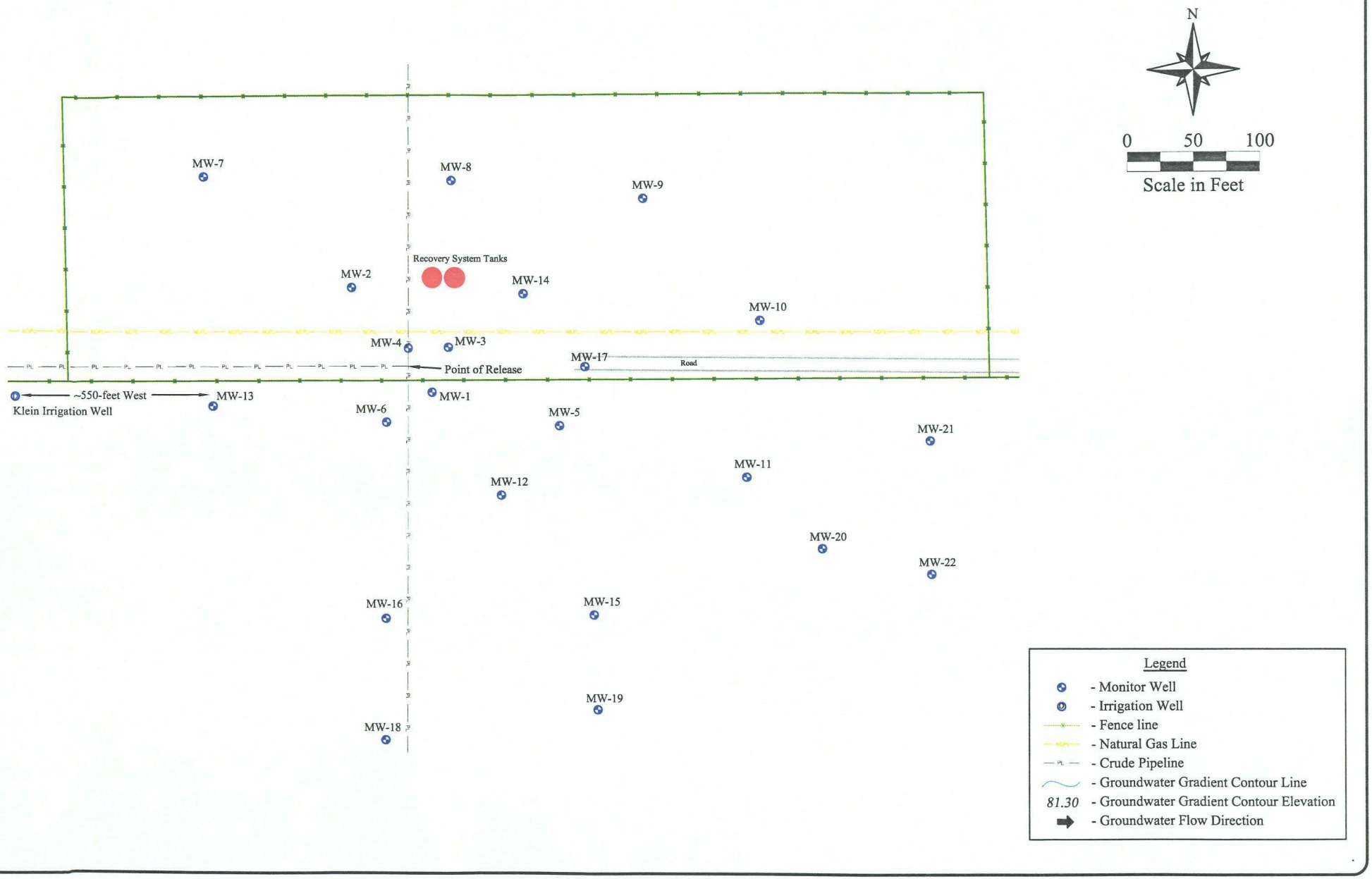
Describe Cause of Problem and Remedial Action Taken.*
Corroded pipeline (internal), repaired with clamp

Describe Area Affected and Cleanup Action Taken.*
~12500-ft^2 surface area affected; 50-bbl released; 24-bbl of crude recovered. Removal and disposal of contaminated soil above remedial goals was commenced by EPI.

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: Frank Hernandez	**OIL CONSERVATION DIVISION**	
Printed Name: **Frank Hernandez**	Approved by District Supervisor:	
Title: **District Environmental Supervisor**	Approval Date:	Expiration Date:
Date: **1/24/03** Phone: **915-638-3799**	Conditions of Approval:	☐ Attached

Attach Additional Sheets If Necessary

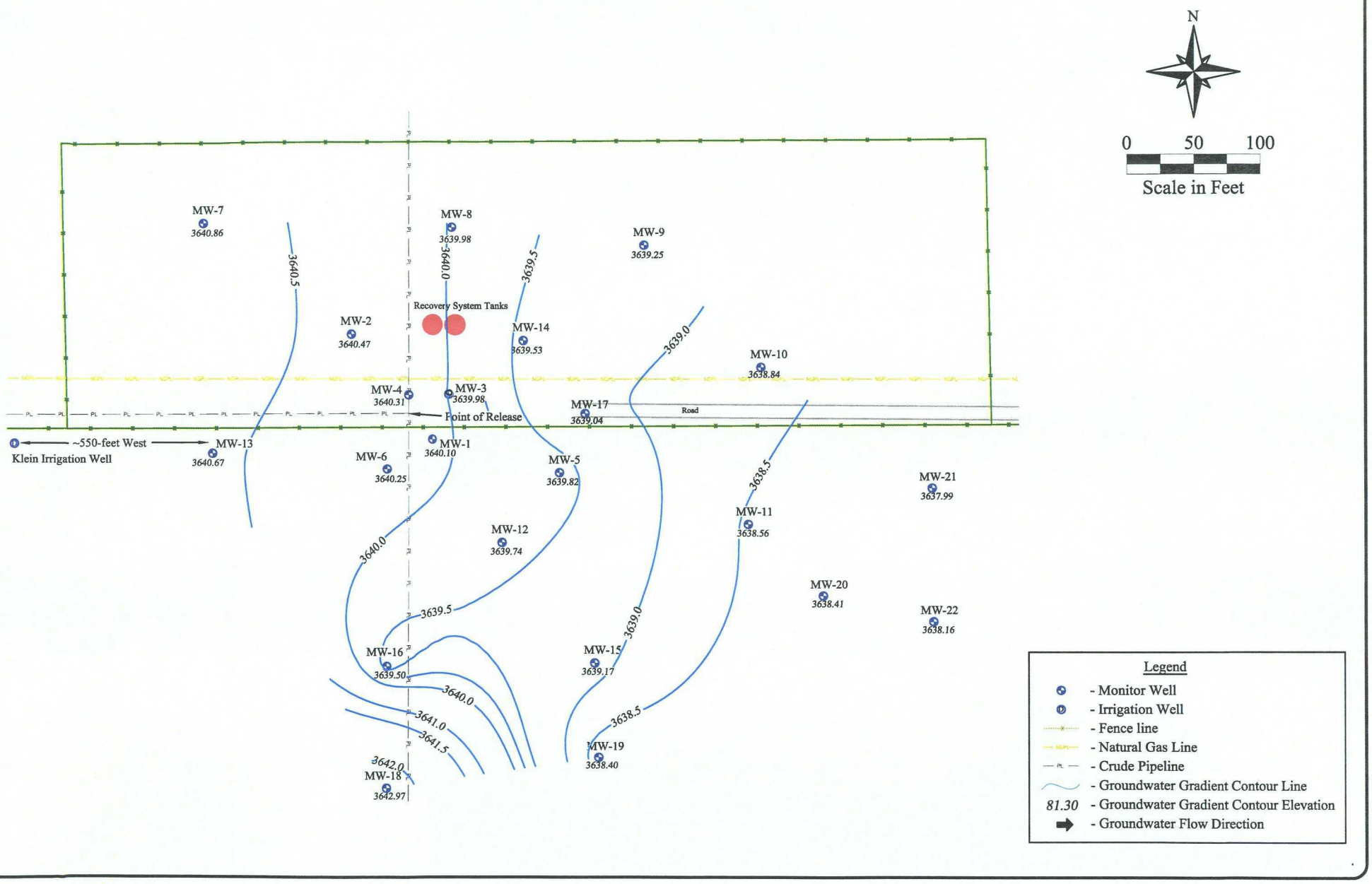


TALON LPE

Date: 12/26/2007
Scale: 1" = 100'
Drawn By: SJA

Hobbs Junction Mainline #2003-00017

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E
Lea County, New Mexico
Figure 1 - Site Plan



TALON LPE

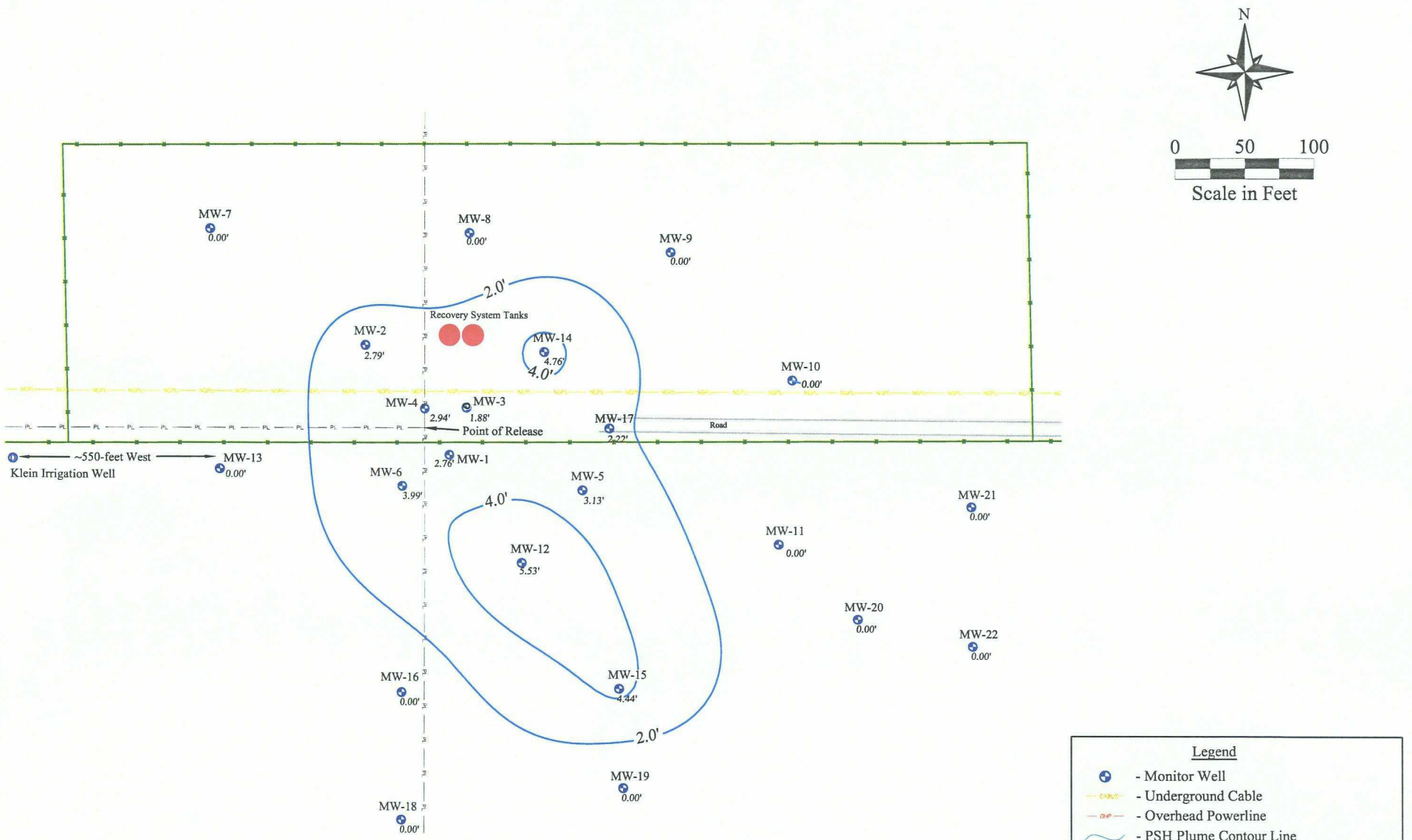
Date:	01/30/2008
Scale:	1" = 100'
Drawn By:	SJA

Hobbs Junction Mainline #2003-00017

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E

Lea County, New Mexico

Figure 2d - Groundwater Gradient Map, (12/05/2007)



TALON LPE

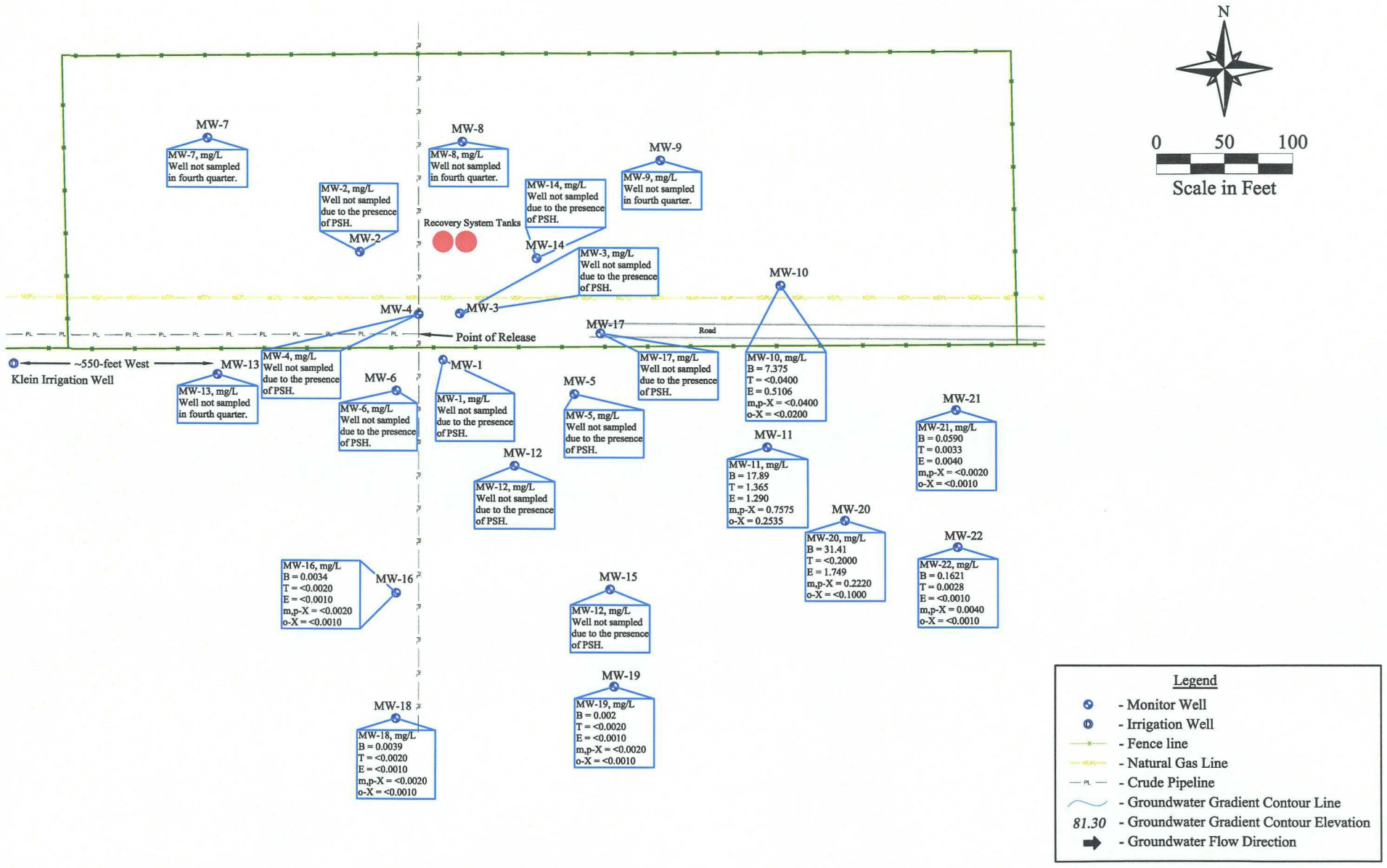
Date: 02/05/2008
Scale: 1" = 100'
Drawn By: SJA

Hobbs Junction Mainline #2003-00017

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E

Lea County, New Mexico

Figure 3d - PSH Thickness Map, (12/05/2007)



TALON LPE

Date: 02/04/2008

Scale: 1" = 100'

Drawn By: SJA

Hobbs Junction Mainline #2003-00017

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E

Lea County, New Mexico

Figure 4d - Groundwater Concentration Map, (12/05/2007)

TALONLPE

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Ethyl-benzene	m,p-Xylenes	o-Xylene	Toluene
MW-1	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-4	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/28/07	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/07	Sampling not required in second quarter				
	09/19/07	<0.001	<0.001	<0.002	<0.001	<0.001
	12/05/07	Sampling not required in fourth quarter				

TALONLPE

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Ethyl-benzene	m,p-Xylenes	o-Xylene	Toluene
MW-8	03/28/07	**0.0113**	<0.001	<0.001	<0.001	<0.001
	06/20/07	Sampling not required in second quarter				
	09/19/07	0.0052	<0.001	<0.002	<0.001	<0.001
	12/05/07	Sampling not required in fourth quarter				
MW-9	03/28/07	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/07	Sampling not required in second quarter				
	09/19/07	<0.001	<0.001	<0.002	<0.001	<0.001
	12/05/07	Sampling not required in fourth quarter				
MW-10	03/28/07	**6.22**	0.453	0.349	0.177	0.552
	06/20/07	**4.648**	0.3300	<0.1000	<0.0500	<0.0500
	09/19/07	<0.001	<0.001	<0.002	<0.001	<0.001
	12/05/07	**7.375**	0.5106	<0.0400	<0.0200	<0.0400
MW-11	03/28/07	**17.5**	**1.88**	**1.09**	**0.363**	0.728
	06/20/07	**17.86**	**1.836**	**1.125**	**0.3620**	**1.420**
	09/19/07	**18.35**	**1.3990**	**0.6450**	**0.1770**	**0.5280**
	12/05/07	**17.89**	**1.290**	**0.7575**	**0.2535**	**1.365**
MW-12	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-13	03/28/07	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/07	Sampling not required in second quarter				
	09/19/07	<0.001	<0.001	<0.002	<0.001	<0.001
	12/05/07	Sampling not required in fourth quarter				

TALONLPE

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Ethyl-benzene	m,p-Xylenes	o-Xylene	Toluene
MW-14	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-15	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-16	03/28/07	**0.0120**	<0.001	<0.001	<0.001	<0.001
	06/20/07	0.0013	<0.0010	<0.0020	<0.0010	<0.0010
	09/19/07	<0.0010	<0.0010	<0.0020	<0.0010	<0.001
	12/05/07	0.0034	<0.0010	<0.0020	<0.0010	<0.0020
MW-17	03/28/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	09/19/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	12/05/07	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-18	03/28/07	0.00210	<0.001	<0.001	<0.001	<0.001
	06/20/07	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
	09/19/07	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
	12/05/07	0.0039	<0.0010	<0.0020	<0.0010	<0.0020
MW-19	03/28/07	0.00130	<0.001	<0.001	<0.001	<0.001
	06/20/07	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
	09/19/07	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
	12/05/07	0.002	<0.0010	<0.0020	<0.0010	<0.0020
MW-20	03/28/07	**20.7**	**1.61**	**0.872**	**0.400**	**1.39**
	06/20/07	**20.17**	**1.624**	0.4090	<0.0500	<0.0500
	09/19/07	**31.67**	**1.850**	0.2510	<0.1000	<0.1000
	12/05/07	**31.41**	**1.749**	0.2220	<0.1000	<0.2000
MW-21	12/05/07	Installed well				
	12/05/07	**0.0590**	0.0040	<0.0020	<0.0010	0.0033
MW-22	12/05/07	Installed well				
	12/05/07	**0.1621**	<0.0010	0.0040	<0.0010	0.0028
Klein Irrigation Well		Irrigation well not sampled				
NMWQCC Remedial Limits		0.010	0.750	Total Xylenes 0.620		0.750

[1] ***Bolded*** *values are in excess of the NMWQCC Remediation Thresholds*