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REPORTS

DATE:

5/2006

SOIL REMEDIATION PLAN

VACUUM TO JAL 14" MAINLINE # 5

PLAINS EMS NO. 2003-00134

UL-A, SECTION 2, T22S, R37E

Lea County, New Mexico

NMOCD No. IR0465 464

PREPARED FOR

PLAINS MARKETING, L.P.

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PREPARED BY

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Project No. 205069.00

May 2006

Chan Patel
Senior Project Manager

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DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI). Premier has not conducted an independent examination of the information contained in the Plains files; furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents to be true and accurate. Premier has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. Premier will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. Premier believes the conclusions stated herein are factual, but no guarantee is made or implied.

Distribution **Vacuum to Jal 14" Mainline #5**

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Executive Summary

On May 23, 2003, a release of approximately 20 barrels of crude oil occurred from a 14" steel pipeline at the EOTT Energy LLC (EOTT) Vacuum to Jal 14" Mainline #5 site, EMS No. 2003-00134 (Vac to Jal #5). Plains Marketing, L.P. (Plains) currently owns the pipeline. The site is located in unit letter A, NE¼ of the NE¼, Section 2 Township 22S, Range 37E, or more specifically at latitude 32° 25' 39.006" N and longitude 103 ° 07' 43.155" W in Lea County, New Mexico (Figure 1, Appendix A). The land is owned by Mr. Greg Holt. Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD) on May 23, 2003, according to the initial Release Notification C-141. The leak was apparently caused by internal or external corrosion and was repaired. The line was being pressure tested when the leak occurred.

According to EPI documents, the irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be a historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer noted at the surface (Figure 2, Appendix A). The depth of this historical spill is unknown. According to Mr. Pat McCasland with EPI, emergency response excavation was completed in May and June 2003 and this soil was stockpiled onsite. File correspondence from EPI to Plains states that, during March 5 to March 11, 2004, approximately 1,466 yd^3 of the more heavily impacted surface soils were transported for treatment at the Lea Station Land Farm.

Based on the proximity of Vacuum to Jal 14" #5 site to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **20 points.**

Eight borings were completed by EPI to delineate the May 2003 spill as well as the historical spill. Analytical results from these eight delineation borings installed in May/June 2003 to 15 feet below ground surface (bgs) indicate that benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations are either below the laboratory detection limit of 0.020 mg/Kg or below the regulatory standard, except in the surface soil samples (approximately 2 feet bgs) collected from BH-2, BH-3, BH-4, BH-5, and BH-6. Total petroleum hydrocarbon (TPH) concentrations exceed the regulatory standard in the surface soil samples collected at the same locations. TPH concentrations in the soil samples collected from BH-7 at approximate depths of 2 feet bgs, 5 feet bgs and 10 feet bgs also exceed the regulatory standard for TPH.

In March 2004, prior to excavation activities to remove impacted soil, four exploratory trenches were completed to further delineate the 2003 release (Figure 3, Appendix A). Headspace analysis of soil show Volatile Organic Concentrations (VOCs) above 100 ppm, the NMOCD field screening remediation criteria, in trenches adjacent to BH-1 to 13 feet bgs, adjacent to BH-4 to 10 feet bgs, and proximal to BH-6, to 2 feet bgs (Table 1, Appendix B). These areas were further excavated and additional excavated soil was land farmed onsite. The impacted soil has been periodically tilled, and remains onsite.

On March 21, 2006, Premier supervised advancement of soil borings to further delineate hydrocarbon impact in soil. The first soil boring was located in the bottom of the deeper portion of the excavation near the leak origin. Phase separated hydrocarbons (PSH)

were noted on the sampling tool and drill rod while collecting soil samples at depths between 35 and 40 feet bgs. As a result of these observations the soil boring program was altered to further investigate the impact to the first groundwater bearing zone. A total of three recovery wells (RW-1, RW-2 and RW-3) and three monitor wells (MW-1, MW-2, and MW-3) were installed to delineate PSH and dissolved phase hydrocarbons in groundwater.

The objectives of this soil remediation plan are to isolate and control contaminants of concern (COCs) in the soil and to prevent further impact to groundwater.

Initially, the side walls in two areas exceeding NMOCD regulatory standards will be re-sampled. These areas may or may not have been over excavated subsequent to confirmation sampling. If any exceedences of TPH or BTEX is indicated by confirmation sampling of the sidewalls, those areas will be over excavated and re-sampled after field analyses indicate affected soil has been removed.

The excavation is divided into two areas consisting of Area A in the southern, deeper section, and Area B in the northern section. A 20-mil, high-density polyurethane impermeable liner will be placed at the base of all sections of the excavation where exceedences of NMOCD cleanup guidelines are observed. Based on the meeting with Mr. Ed Martin of NMOCD Environmental Bureau at the site in April 2006, and his review of existing data, a site specific risk-based cleanup goal for excavated soil was established at 1,000 mg/kg TPH. It was decided that the land farm material with elevated concentrations of TPH can be used as backfill material for this site, if placed between two liners. Specifically, in Area A, the deeper portion of the excavation, one liner will be placed at the bottom of the excavation. Land farm material with TPH concentrations greater than 1,000 mg/kg, will be used to backfill up to the top of the bench located on the on the east side of this section of the excavation. A second liner will be placed over the bench and extended across the entire Area A.

In Area B, a liner will be installed at the base of the excavation and the entire excavation will be backfilled to grade doming upward toward the center to allow for natural subsidence. The entire excavation will be backfilled using land farmed material.

Delineation of PSH and dissolved phase hydrocarbons in groundwater will be completed after completion of backfill activities. In the interim, groundwater remediation will continue by hand bailing of PSH and using oil absorbent socks between bailing events. Bailing is currently completed on a semi-monthly basis. This frequency will increase or decrease based on changing PSH levels in the wells. Monitor wells without the presence of PSH will be sampled on a quarterly basis.

1.0 Introduction and Site History

Premier Environmental Services, Inc. (Premier) has been retained by Plains Marketing, L.P. (Plains) to review existing site data and to complete delineation and remediation at the Vacuum to Jal 14" Mainline #5 Site (Vac to Jal #5) (Plains EMS Nos. 2003-00134).

The leak that occurred at the Vac to Jal #5 Site (Site) on May 23, 2003 was apparently caused by corrosion. The site is located in unit letter A, NE¼ of the NE¼, Section 2, Township 22S, Range 37E, or more specifically at latitude 32° 25' 39.006" N and longitude 103 ° 07' 43.155" W in Lea County, New Mexico (Figure 1, Appendix A). Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release on behalf of Mr. Frank Hernandez of Eott Energy LLC (EOTT) to the New Mexico Oil Conservation Division (NMOCD) on May 23, 2003, according to the initial Release Notification C-141. The line was being pressure tested when the leak occurred and the line was subsequently repaired. The C-141 form identified remediation standards, and outlined an initial plan to remediate the site. A copy of the C-141 is provided in Appendix E.

According to Mr. Pat McCasland with EPI, emergency response excavation was completed in May and June 2003. The irregularly shaped spill area was approximately 200 feet long by 40 feet wide, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be an historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer (Figure 2, Appendix A). EPI collected soil samples from eight boreholes installed up to 15 feet below ground surface (bgs) in May and June 2003. According to Mr. Pat McCasland, as of March 2004, approximately 1,466 yd^3 were transported for treatment at the Lea Station Land Farm.

2.0 Environmental Characterization

2.1 Geological Description

In Lea County, the Recent Age Mescalero sands cover 80% of Lea County, and are described as fine to medium-grained and reddish brown in color. Lea County lies in the Pecos Valley Section of the Great Plains Province, very near the Southern High Plains to the east. The Tertiary Age Ogallala Formation underlies all of the High Plains and mantles several ridges in Lea County.

The site appears to be located primarily on Recent Age Mescalero sands. The site seems to be characteristic of the High Plains, with a uniform, topographically relatively flat surface that slopes very gently to the southeast.

2.2 Land Use

Land use in the area is primarily livestock rangeland and oil field activities. Several gas compressor stations are located in the vicinity of the site and several major oil and gas transmission lines bisect the region. The area in the immediate

vicinity of the Site is sparsely populated but there is one residential property within approximately 500 feet of the Site. According to the City of Eunice Water/Wastewater Superintendent, the water supply for this residence is the Eunice Municipal Water Supply.

2.3 Groundwater

The New Mexico Office of the State Engineer database lists one water well in Section 2, T22S R37E (Appendix D). The total depth of the water well is reported to be 1100 feet. The depth to water is not reported in the database. The City of Eunice Water/Wastewater Superintendent was not aware of a private well on the residential property located within approximately 500 feet of the Site. According to EPI, a water well used for agricultural purposes is located on this property, with a depth to groundwater of about 65 feet bgs.

2.4 Surface Water

There are no surface water bodies within 1000 feet of the site.

3.0 Regulatory Framework

In New Mexico, the NMOCD oversees and regulates oil, gas and geothermal activities, including compliance with environmental regulations. Guidance for cleanup of crude oil releases is provided in the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993) document. Primary contaminants, or COCs, associated with crude oil releases include total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and total xylenes (BTEX). Guidelines for these COCs in soil are evaluated based on a site ranking system. The ranking system estimates the likelihood of exposures to the COCs and is based on the following three parameters:

- Depth to groundwater
- Wellhead protection area
- Distance to surface water body

These parameters illustrate that focus of the guidelines is to protect groundwater and surface water resources.

3.1 NMOCD Site Ranking Guidance – Initial Evaluation

The site was initially evaluated based on the information presented in the previous sections. Based on the proximity of the site to area water wells, surface water bodies, and depth to groundwater, the site has a NMOCD ranking score of **20 points,** with the soil remedial goals highlighted below in the Site Ranking Matrix.

Site Ranking Matrix

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or, <200' from private domestic water source: *20 points*	<200 horizontal feet: 20 points
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: 10 points
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or, >200' from private domestic water source: *0 points*	>1000 horizontal feet: 0 points
Groundwater Score:20	*Wellhead Protection Area Score: 0*	*Surface Water Score: 0*
Site Rank (1+2+3) =20+0+0=20		

Total Site Ranking Score and Initial Guidance Cleanup Concentrations

Parameter	20 or >	10	0
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

4.0 Soil Investigation Results

In May and June, 2003, eight boreholes were installed by EPI to a depth of 15 feet bgs to further delineate impact from the May 2003 Vac to Jal #5 release. Soil samples were collected at intervals between 2 feet and 15 feet in depth and submitted to Analysys, Inc. for laboratory analyses of TPH diesel range organics (DRO), gasoline range organics (GRO), by EPA method 8015M, and for BTEX by EPA method 8021B. Analytical results from these eight delineation borings installed in May/June 2003 to 15 feet below ground surface (bgs) indicate that benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations are either below the laboratory detection limit of 0.020 mg/Kg or below the regulatory standard, except in the surface soil samples (approximately 2 feet bgs) collected from BH-2, BH-3, BH-4, BH-5, and BH-6. Total petroleum hydrocarbon (TPH) concentrations exceed the regulatory standard in the surface soil samples collected at the same locations. TPH concentrations in the soil samples collected from BH-7 at approximate depths of 2 feet bgs, 5 feet bgs and 10 feet bgs also exceed the regulatory standard for TPH (Figure 2, Appendix A; Table 1, Appendix B).

In March 2004, prior to excavation activities to remove impacted soil, VOC headspace analysis of soil from four exploratory trenches was completed to further delineate the 2003 release (Figure 3, Appendix A). These trenches are adjacent to BH-1, BH-4, BH-6, and BH-7. Headspace analysis show VOC above 100 ppm (the NMOCD field screening remediation criteria) in trenches completed adjacent to BH-1 down to 13 feet

bgs, adjacent to BH-4 to 10 feet bgs, and proximal to BH-6, down to 2 feet bgs. These areas were further excavated and this soil was land farmed onsite. According to Mr. McCasland, the impacted soil has been periodically tilled, and remains onsite.

Confirmation samples were collected by EPI from the side walls and bottom of the excavation on April 15, 2004. Laboratory results indicated TPH concentrations exceeding NMOCD cleanup guidelines in the soil samples from the west flow path bottom hole sample at 14 feet bgs, east flow path northeast side wall, and the east flow path west side wall (Figure 3, Appendix A and Table 1 Appendix B).

Premier collected twelve soil samples (SP-1 through SP-12) from the land farm on January 12, 2006 and shipped them to Accutest Laboratories in Houston, Texas for analyses of TPH DRO, TPH GRO, and BTEX. Laboratory results indicated TPH DRO concentrations ranged from 231 mg/kg to 1180 mg/kg, with the average concentration for all samples of 605 mg/kg. BTEX concentrations were below NMOCD cleanup guidelines for the Site. Land farm soil sample analytical results are reported on Table 2, Appendix B. Laboratory analytical reports are presented in Appendix C.

5.0 Soil Remediation Activities Completed

The irregularly shaped spill area reported by EPI was approximately 200 feet long by 40 feet wide and impacted approximately 8,885 square feet area (Figure 2, Appendix A). According to EPI, emergency response excavation was completed in May and June 2003, and as of March 12, 2004, approximately 1,466 yds^3 of the more heavily impacted surface soils were transported for treatment at the Lea Station Land Farm. After March 12, 2004, the excavated soil was land farmed onsite, and according to EPI, the impacted soil has been periodically tilled and remains onsite. The path forward to address the residual hydrocarbon concentrations in soil is depicted in Figure 4 and detailed in Section 7.

6.0 Groundwater Investigation

On March 21, 2006, Premier supervised advancement of soil borings to further delineate hydrocarbon impact in soil. The first soil boring was located in the bottom of the deeper portion of the excavation near the leak origin. Field observation and testing conducted on soil samples collected from this boring indicated BTEX and TPH concentrations in excess of NMOCD cleanup guidelines for the site from five feet bgs to the first groundwater bearing zone at approximately 39.5 feet bgs (Table 3, Appendix B). PSH was noted on the sampling tool and drill rod while collecting soil samples at 35 and 40 feet bgs. After discussions with representatives of Plains, the boring was reamed to 7 7/8 – inch diameter to a total depth of 45 feet bgs. The boring was converted into a four – inch diameter recovery well (RW-1). After completion of RW-1, a bailer was lowered and retrieved and PSH was observed on groundwater. As

a result of these observations, the soil boring program was altered to further investigate the impact to the first groundwater bearing zone.

Soil samples collected during the installation of remaining monitor and recovery wells indicted no soil impact in any other borings except at the groundwater capillary zone in recovery wells RW-2, and RW-3 (Table 3, Appendix B). Laboratory analytical reports are presented in Appendix C. A total of three recovery wells (RW-1, RW-2, and RW-3) and three monitor wells (MW-1, MW-2, and MW-3) were installed. Boring logs for the wells are presented in Appendix A. The wells were developed on March 28, 2006 and monitor wells MW-1, MW-2, and MW-3 were purged and groundwater samples were collected on March 29, 2006. RW-1, RW-2, and RW-3 were not sampled as PSH was present in the three recovery wells.

Laboratory results indicated benzene concentrations in groundwater samples collected from monitor wells MW-1 and MW-3 in exceedence of NMOCD cleanup guidelines (Table 4, Appendix B). The laboratory analytical report for groundwater samples are attached in Appendix C. Groundwater gradient maps were constructed based on groundwater gauging data collected on April 13, 2006 (Figure 5, Appendix A). The groundwater gradient for the site is to the south across the Site.

Additional groundwater delineation will be conducted after the completion of soil excavation and backfilling activities. Details regarding groundwater remediation are presented in Section 7.4.

7.0 Proposed Remedial Approach

7.1 Objective

The objectives of the proposed remediation approach for soil are to isolate and control COCs in the soil and to prevent further impact to groundwater. To accomplish these goals, the proposed remediation approach is two fold:

1. Collection of additional confirmation samples to demonstrate the successful removal of impacted soil based on the historical analytical results collected following the initial soil remediation activities.

2. Management of potential further groundwater impact by placing an impermeable plastic liner at the base of the excavation. This will prevent precipitation from migrating down through any residual hydrocarbons in the soil column, and possibly transporting COCs to groundwater. This approach is proposed as COCs are present in the subsurface at depths that are below the maximum extent of practicable excavation.

7.2 Remedial Plan Details

Confirmation soil samples previously collected by EPI indicated concentrations of TPH in exceedence of NMOCD cleanup guidelines for this Site in two sidewall samples from the east flow path portion of the excavation. Premier proposes re-sampling the side walls in these two areas. If any exceedences of TPH or BTEX standards is indicated by confirmation sampling of the sidewalls, those areas will be over excavated and re-sampled after field analyses indicate affected soil has been removed. The remaining sidewalls of the excavation will be sampled every 150 linear feet using five point composite sampling protocol.

Surface soil at the Site is relatively unstable down to a depth of 5 feet and therefore requires benching away from the deeper sections of the excavation. At approximately five feet bgs a stable caliche zone is present. Any over excavation of the sidewalls will require benching to the top of the stable caliche prior to removal of additional material. Due to the depth of the main section of the excavation, proximity to pipelines, and hard rock layers, the excavation will not be extended in depth beyond the current levels at the Site.

The excavation is divided into two areas consisting of Area A in the southern, deeper section, and Area B in the extreme northern section (Figure 6, Appendix A). Between Area A and Area B is an area where previous confirmation sampling indicated the bottom of the excavation was below NMOCD cleanup guidelines. This area will be re-sampled. Confirmation samples will be collected from the base of the excavation between the two areas on 25 by 25 foot grids. Should the laboratory results indicate no exceedences of NMOCD cleanup guidelines in these areas, the areas will be backfilled with no additional lining. Any bottom confirmation soil sample areas indicating concentrations in excess of NMOCD cleanup guidelines for the Site will be isolated by placement of a liner as described below.

A 20-mil, high-density polyurethane impermeable liner will be placed at the base of the sections of the excavation where exceedences of NMOCD cleanup guidelines are observed. If possible, the liners will be placed as single continuous barriers which may require some sealing (or welding). In Area A, the deeper portion of the excavation, one liner will be placed at the bottom of the excavation (Figure 7, Appendix A). Land farm material specifically from the cells corresponding with samples SP-3, SP-5 and SP-6 will be used to backfill up to the top of the bench located on the on the east side of this section of the excavation. A second liner will be placed over the bench and extended across the entire Area A. Both liners will be graded slightly towards the west to allow for drainage and to prevent accumulation and pooling of water on top of the liners.

In Area B, a liner will be installed at the base of the excavation and the entire excavation will be backfilled to grade doming upward toward the center to allow for natural subsidence. The entire excavation will be backfilled using the remaining land

farmed material. Figure 6 shows the approximate aerial extent of the liners and Figure 7 shows a cross section of the liner emplacement in Area A.

7.3 Operating and Performance Monitoring Details

Confirmation samples will be collected from the walls and floors of the excavation. Confirmation samples will be collected based on the following protocol:

- Wall samples – one sample every 150 linear feet.
- Excavation floor samples – one sample every 625 square feet.
- Each wall sample will be analyzed for TPH-DRO and TPH-GRO by EPA method SW-846 #8015B and BTEX by EPA method 8021B.
- Each floor sample will be analyzed for TPH-DRO and TPH-GRO by EPA method SW-846 #8015B, BTEX by EPA method 8021B.
- Wall sample analytical results will be compared to Site cleanup standards.
- If one or more of the wall samples exceed the Site cleanup standards, additional excavation will be completed and re-sampled following the above confirmation sampling protocol.

If additional soil removal is necessary, confirmation samples will be collected from the excavation sidewalls based on PID readings. Performance or remediation standards for excavation sidewalls will be met when the total TPH concentrations are below 100 mg/Kg, benzene is below 10 mg/kg and total are BTEX are below 50 mg/kg.

Land farmed soil that contains greater than 1,000 mg/kg TPH will be placed back into the excavation over the initial 20 mil liner placed at the base of the excavation in the southern part of the excavation. A second liner will be placed over these soils and the remaining soil from the onsite land farm will be used to back fill the excavation to grade. In the event additional soil excavation is necessary, this impacted soil will be blended/treated to less than 1,000 mg/Kg TPH prior to reuse as backfill.

7.4 Groundwater Remediation

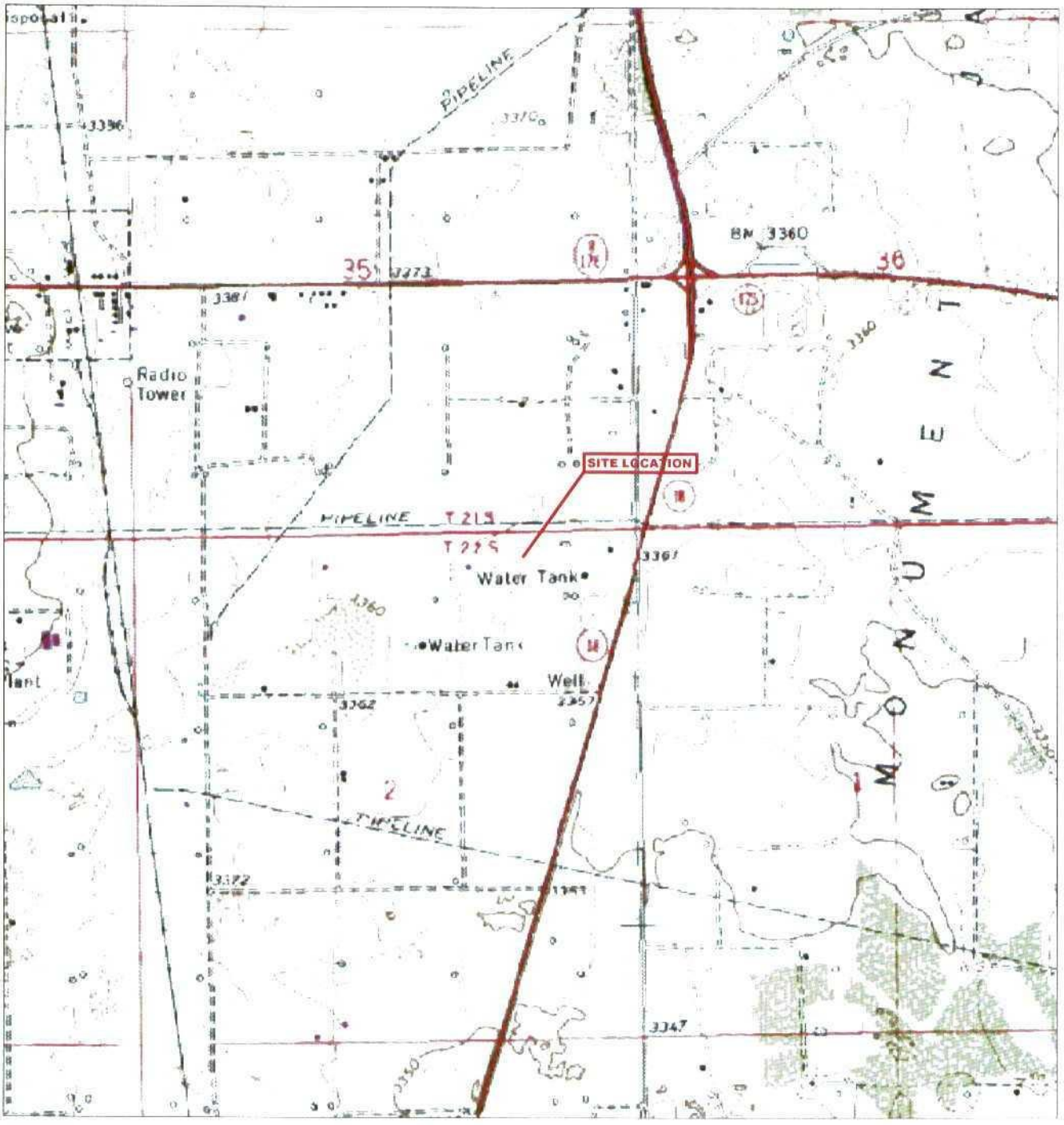
Delineation of PSH and dissolved phase hydrocarbons in groundwater will be completed after completion of backfill activities. Proposed future monitor well and recovery well locations are illustrated on (Figure 6, Appendix A).

In the interim, groundwater remediation will continue by hand bailing of PSH and using oil absorbent socks between bailing events. Bailing is currently completed on a semi monthly basis. This frequency will increase or decrease based on changing PSH levels in the wells. Monitor wells without the presence of PSH will be sampled on a quarterly basis.

7.5 Schedule

Remediation will be initiated upon receipt of written approval from the NMOCD. Confirmation sampling of side wall in the excavation will be completed prior to installation of the liner and backfilling the site. Sidewall confirmation samples will be submitted for analysis. Upon receipt of analytical results confirming that remediation standards have been met, these data will be submitted to the NMOCD for approval to backfill the excavation. Liner installation and backfilling the excavation can be completed within fifteen (15) working days. Within four (4) weeks of back filling the excavation, and grading the site to the original slopes, a final report will be submitted to Plains and the NMOCD.

Appendix A Figures



Eunice Quadrangle
32°25'39"N Latitude & 103°07'43"W Longitude

1/2 1/4 0 1/4 1/2
Distance in Miles

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Figure 1
Site Location Map
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 2/06

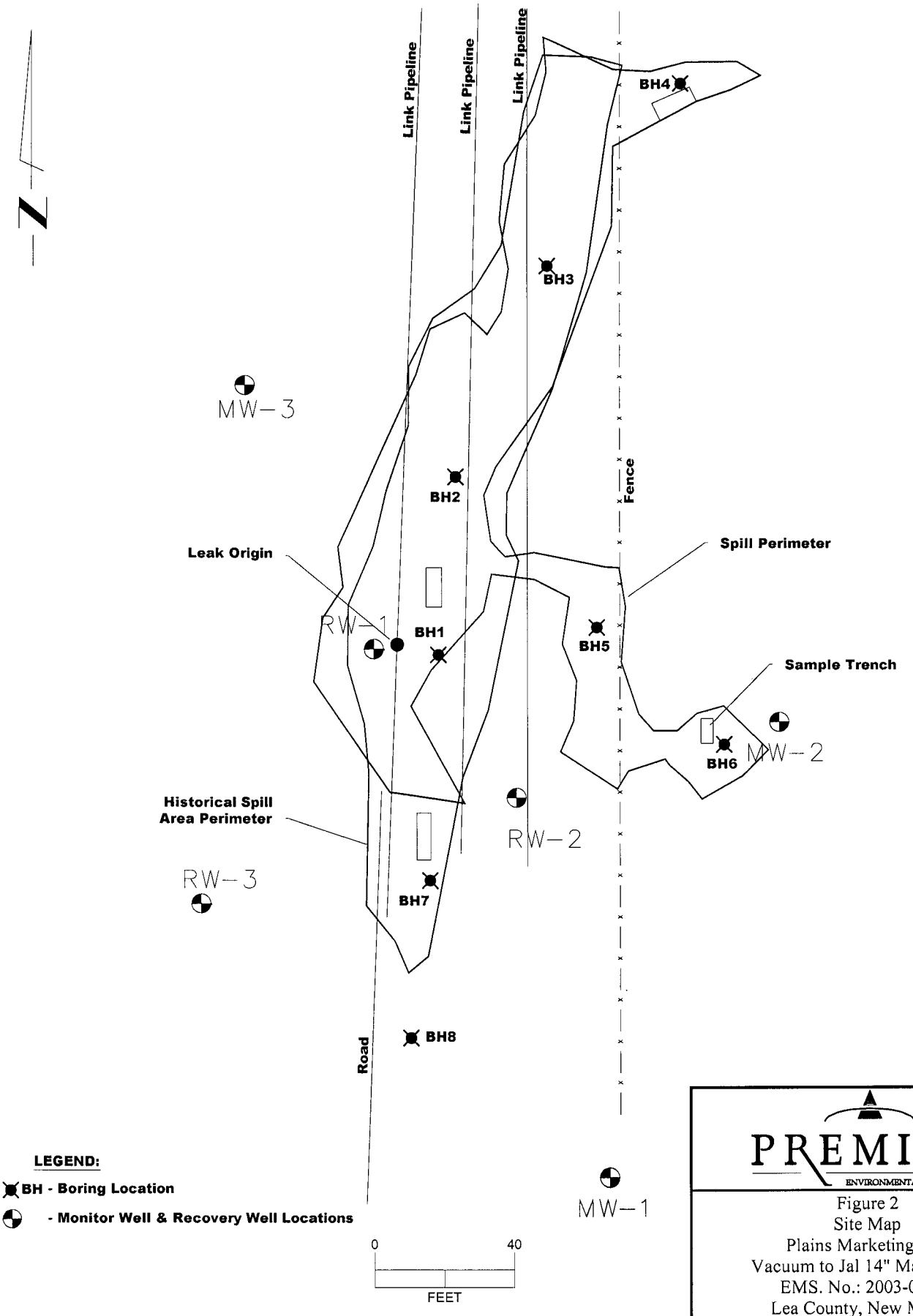

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Figure 2
Site Map
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 2/06

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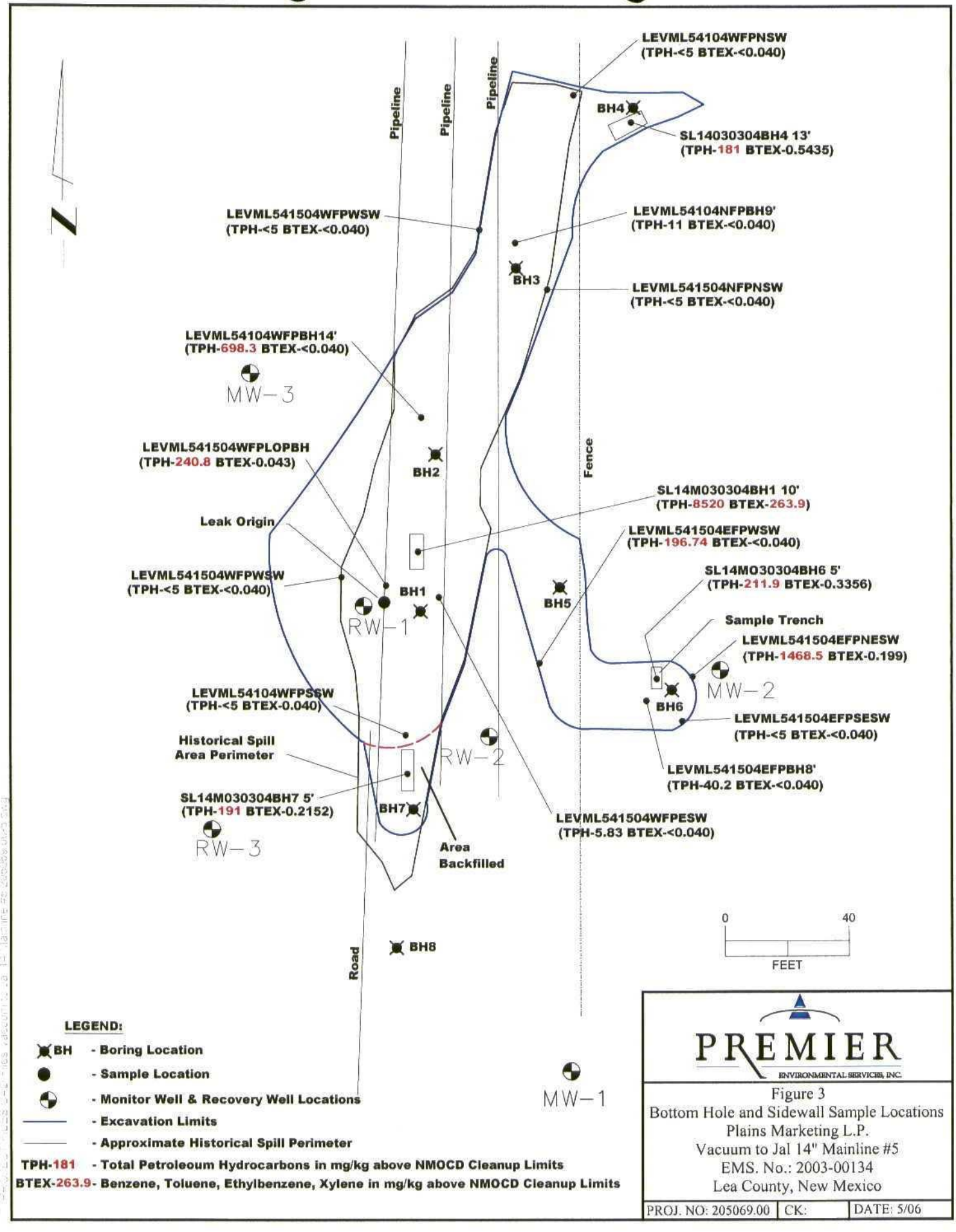

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Figure 3
Bottom Hole and Sidewall Sample Locations
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 5/06

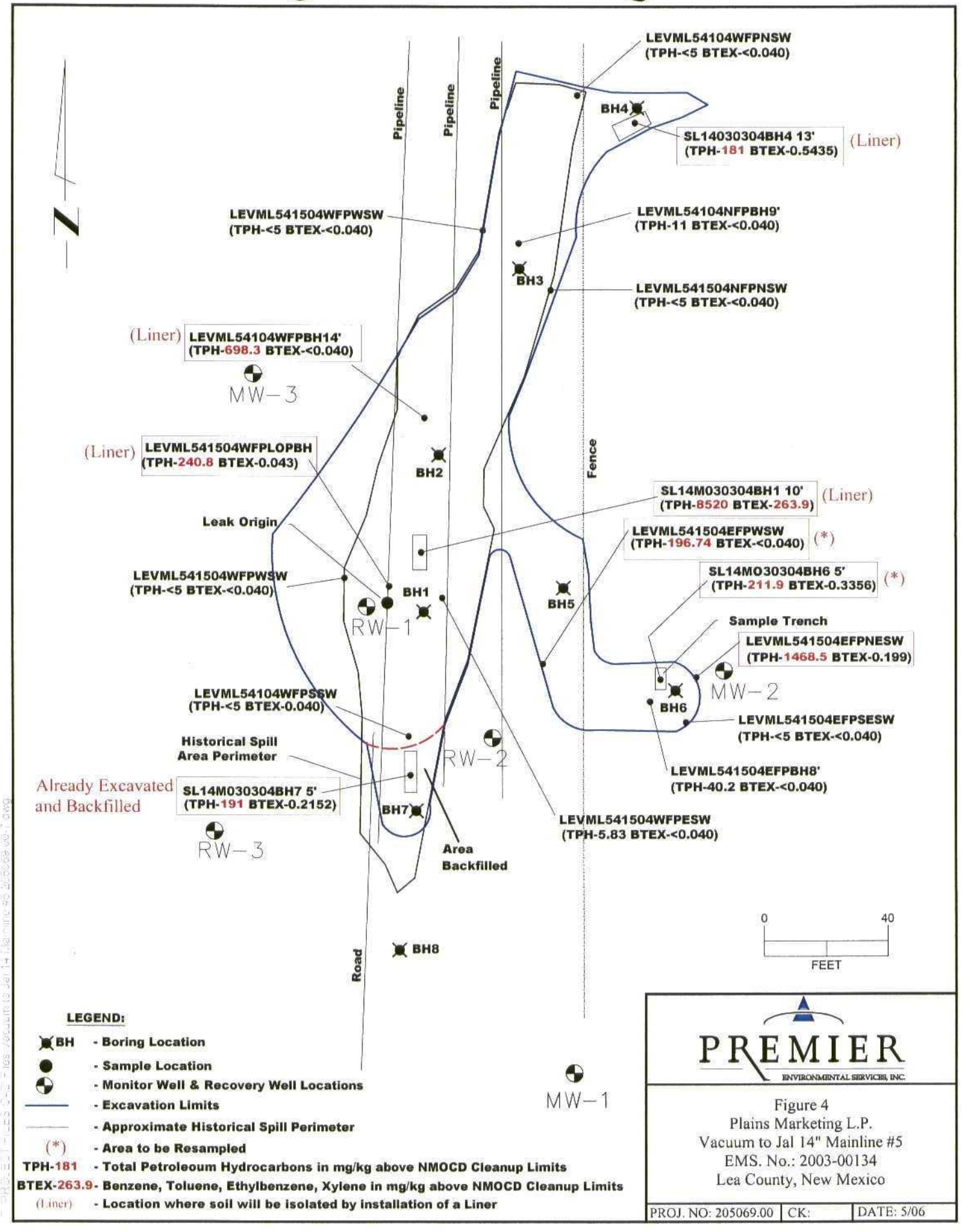

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Figure 4
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 5/06

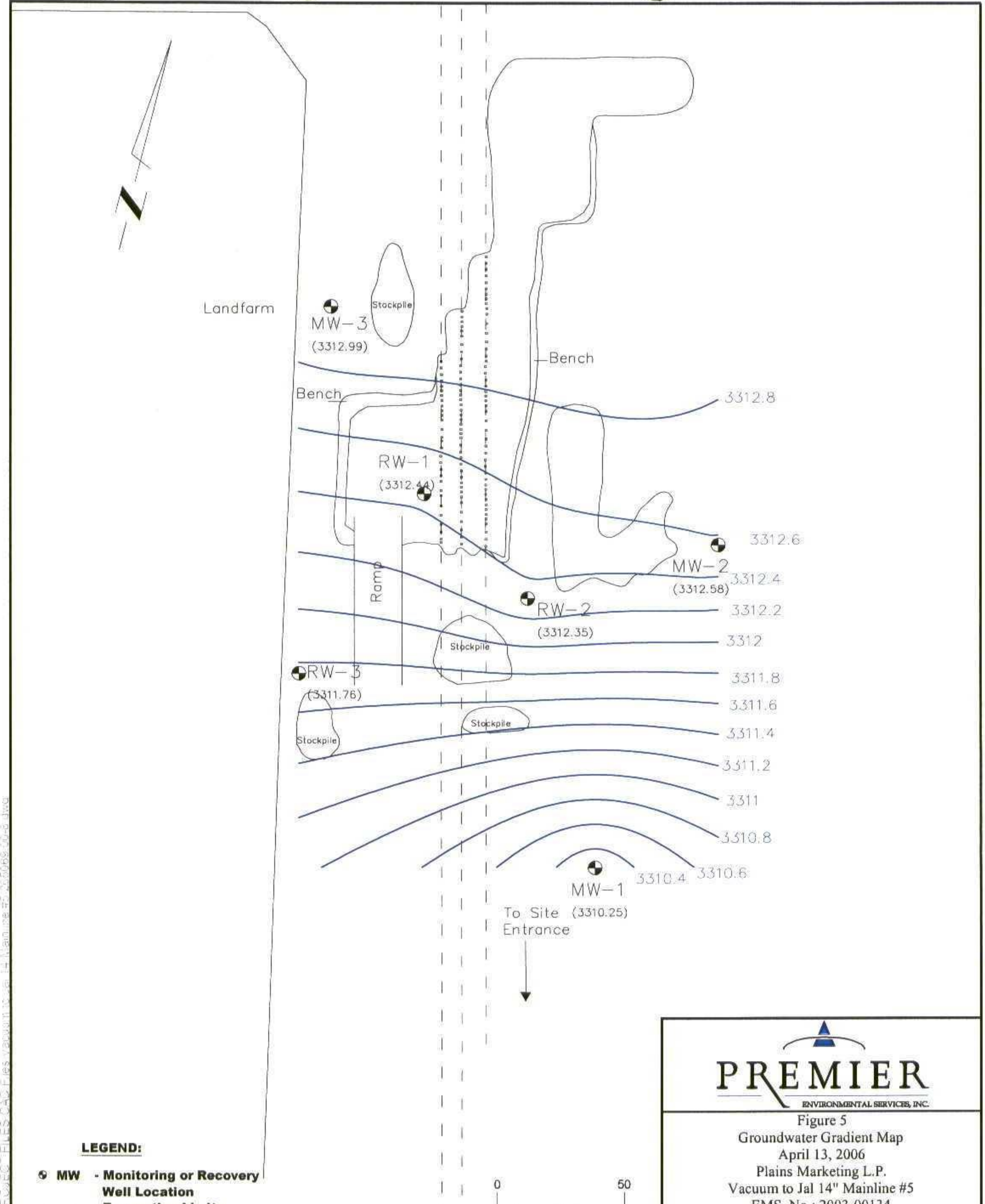
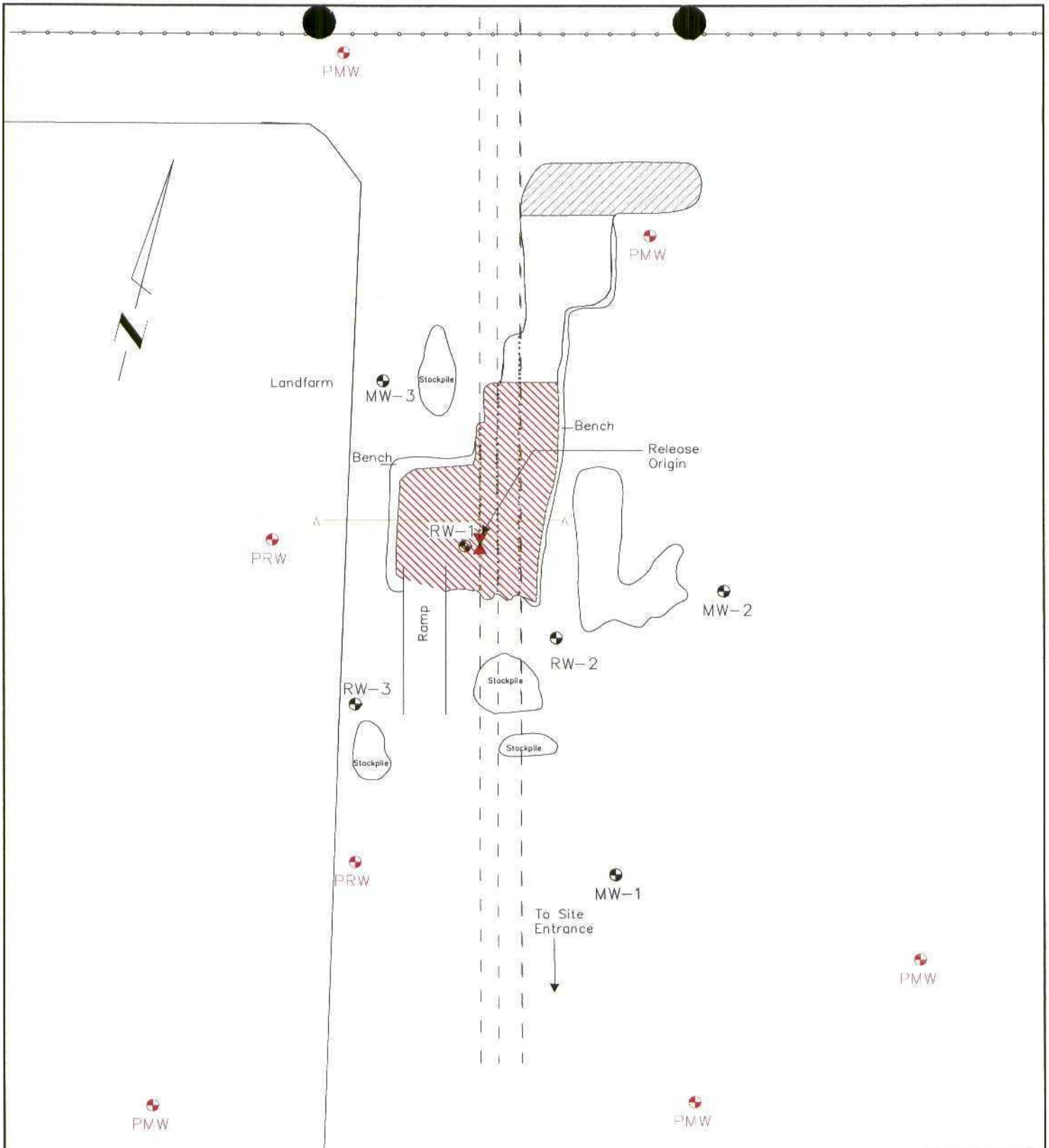


Figure 5
Groundwater Gradient Map
April 13, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00 | CK: | DATE: 2/06



LEGEND:

- **Area with Upper and Lower 20 mil. HDPE Liner**
- **Proposed 20 mil. HDPE Liner**
- **PMW - Proposed Monitoring or Recovery Well Location**
- **MW - Monitoring or Recovery Well Locatiom**
- **Excavation Limits**
- **Burried Pipeline**
- **Exposed Pipeline**

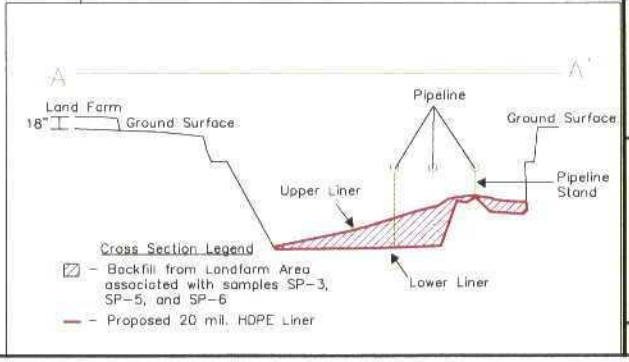


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Figure 6
Proposed Liner and Proposed Monitor Well Locations
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 2/06

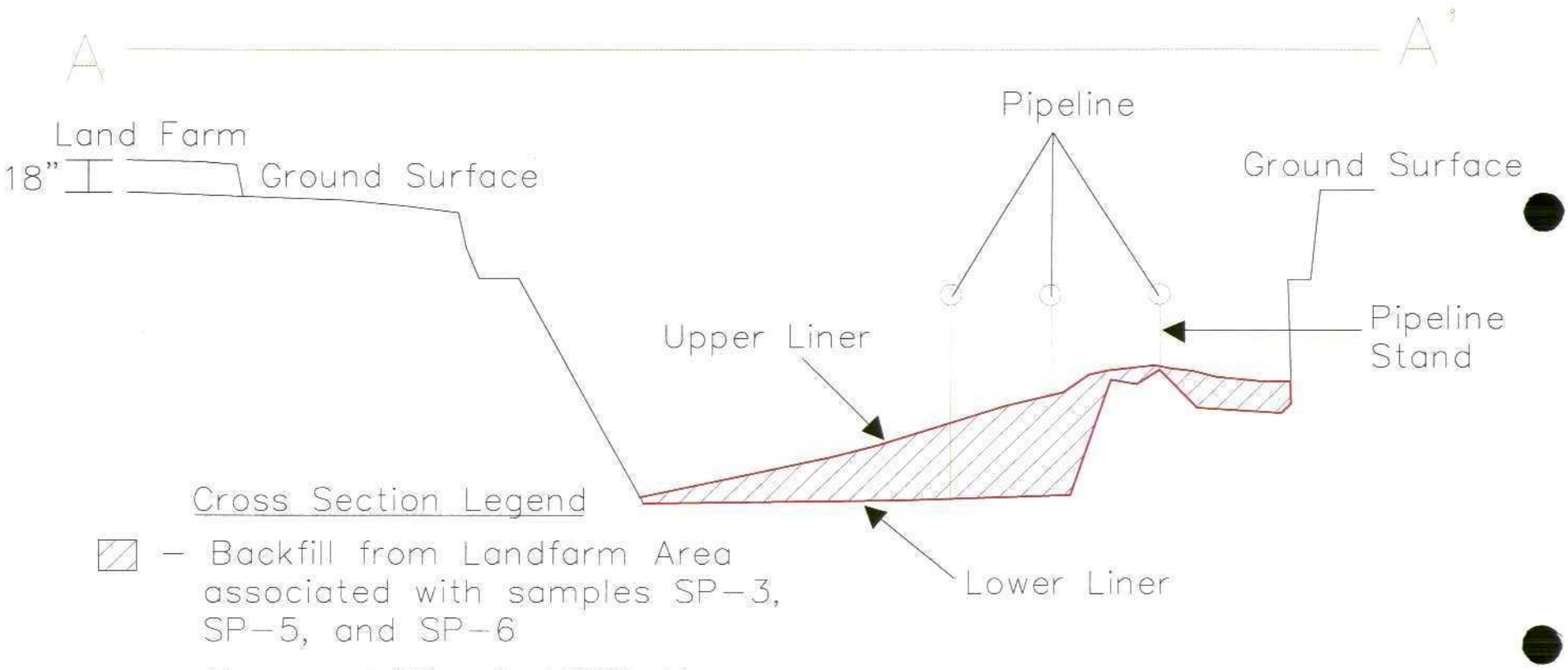

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Figure 7
Croos Section of Liner Placement
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 2/06

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER MW-1

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5" STICKUP (ft) --

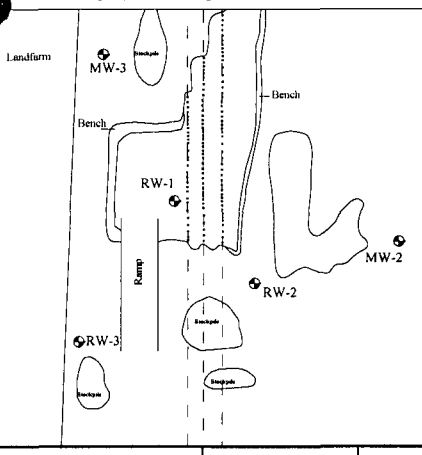
CASING DIA (in) 2 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/22/06 1429

TOP OF CASING ELEV. (ft)____ GROUND SURFACE ELV. (ft)____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0					SC	Sandstone, medium reddish brown, loose, damp, very fine grained, well sorted, subangular.		
4	X			13.4	CAL	Caliche @ 4'		
6						Caliche light reddish grey, Poorly indurated, damp, sandy, very fine to fine grained, fairly well sorted, subangular.	MW1-5'	
10	X			0	CAL	Caliche, light greyish brown, firm to intermediate, damp, sandy, very fine to fine grained, fairly well sorted, subangular.	MW1-10'	
14	X			2.5	SC	Sandstone, medium reddish brown, firmly indurated, damp, very fine to fine grained, poorly sorted, subangular.	MW1-15'	
20	X			2.2	SC	Sandstone, medium reddish brown, loose, damp, very fine to fine grained, fairly well sorted, subangular.	MW1-20'	
22					CAL	Caliche @ 21'		
24	X			0	CAL	Caliche, light reddish grey, firm to well indurated, damp, sandy, very fine to fine grained, fairly well sorted, subangular.	MW1-25'	
30	X			0	CAL	Caliche, light reddish grey, well indurated, damp, sandy, very fine grained, well sorted, subangular.	MW1-30'	
34	X			0	CAL	Caliche, light grey, well indurated, damp, siliceous, very fine grained, well sorted, subangular.	MW1-35'	
40	X			0	CAL	Caliche, light reddish brown, well indurated, damp, siliceous,, very fine grained, poorly sorted, subangular.	MW1-40'	
42								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER MW-1

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5" STICKUP (ft) --

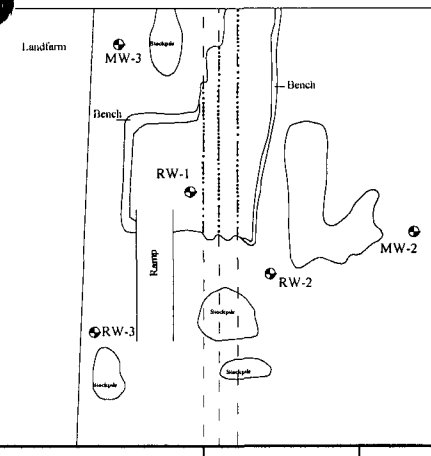
CASING DIA (in) 2" TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 3/22/06 1429

TOP OF CASING ELEV. (ft)_____ GROUND SURFACE ELV. (ft)_____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40					CAL	Caliche, light reddish brown, well indurated, damp, fine grained, siliceous, poorly sorted, subangular.		
42								
44	X			0.6	SC	Sandstone, light reddish brown, well indurated, damp, very fine to coarse grained, poorly sorted, subangular.	MW1–45'	
46								
48						Water @ 48'		
50	X				SC	Sandstone, wet, no sample		
52								
54								
56								
58								
60						TD 60'		
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER MW-2

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5 STICKUP (ft) --

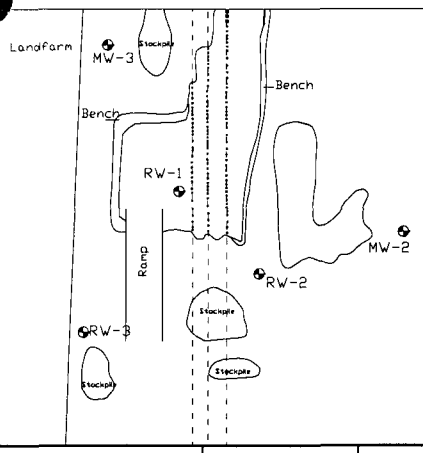
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/22/06 1429

TOP OF CASING ELEV. (ft) _____ GROUND SURFACE ELV. (ft) _____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0								
2								
4				0	SC	Sandstone, dark reddish brown, loose, damp, very fine to fine grained, fairly sorted, subangular.	MW2-5'	
6								
8								
10				0	CAL	Caliche, light greyish brown, firm, damp, very fine to fine grained, fairly sorted, subangular.	MW2-10'	
12								
14				0	CAL	Silty Sandy Caliche, light reddish brown, poor indurated, damp, very fine to fine grained, fairly sorted, subangular.	MW2-15'	
16								
18								
20				0	SC	Sandstone, light reddish brown, poor indurated, damp, very fine to fine grained, fairly sorted, subangular.	MW2-20'	
22								
24					CAL	Caliche @ 24'		
				0	CAL	Sandy Caliche, light reddish brown, poor indurated, damp, very fine to fine grained, subangular.	MW2-25'	
26								
28								
30				0	CAL	Caliche, light reddish grey, firm, damp, very fine to fine grained, poorly sorted, subangular.	MW2-30'	
32								
34				0	CAL	Caliche, light grey, well indurated, damp, very fine grained, well sorted, subangular.	MW2-35'	
36								
38								
40				0	CAL	Caliche, light reddish grey, well indurated, damp, very fine grained, well sorted, subangular.	MW2-40'	
42								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER MW-2

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5 STICKUP (ft) --

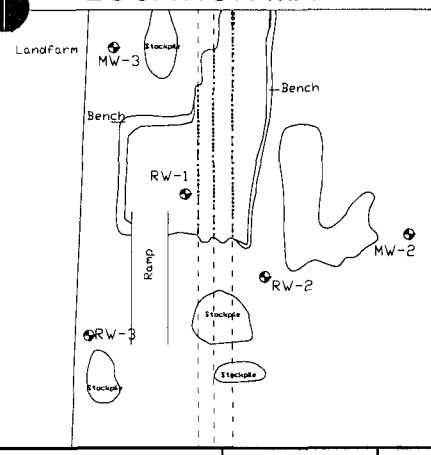
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/22/06 1429

TOP OF CASING ELEV. (ft) _____ GROUND SURFACE ELV. (ft) _____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40				0	CAL	Caliche, light reddish grey, well indurated, damp, very fine grained, well sorted, subangular.	MW2-40'	
42								
44				4.0	SC	Sandstone, medium reddish brown, firm damp, very fine to fine grained, poorly sorted, subangular.	MW2-45'	
46								
48						Water @ 48'		
50				0	SC	Sandstone, medium reddish brown, loose, well indurated, very fine to fine grained, poorly sorted, subangular.	MW2-50'	
52								
54								
56								
58								
60								

T.D. 60'

62 64 66 68 70 72 74 76 78 80

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER MW-3

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5" STICKUP (ft) --

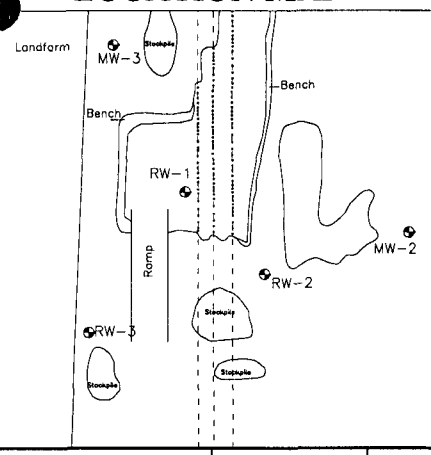
CASING DIA (in) 2" TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/23/06 1355

TOP OF CASING ELEV. (ft) GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS
0							
4	X			0	CAL	Silty sandy caliche, light greyish green, poorly indurated, damp, very fine grained, well sorted, subangular.	MW3-5'
10	X			0	CAL	Caliche, light greyish green, damp, silty, sandy, very fine grained, well sorted, subangular.	MW3-10'
14	X			0	SC	Sandstone, light reddish brown, poorly indurated, damp, very fine to fine grained, fairly sorted, subangular.	MW3-15
20	X			0	SC	Sandstone, light reddish grey, poorly indurated, damp, very fine to fine grained, poorly sorted, subangular.	MW3-20
24	X			0	SC	Sandstone, light reddish grey, well indurated, damp, very fine to fine grained, poorly sorted, subangular.	MW3-25
30	X			5.9	CAL	Caliche, light reddish grey, firm, damp, siliceous, very fine grained, poorly sorted, subangular.	MW3-30'
34	X				CAL	Caliche, light grey, well indurated, damp, siliceous, very fine grained, well sorted, subangular.	MW3-35'
40	X				SC	Sandstone, light reddish brown, well indurated, damp, very fine grained,	MW3-40'
42							

WELL CONSTRUCTION

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER MW-3

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5" STICKUP (ft) --

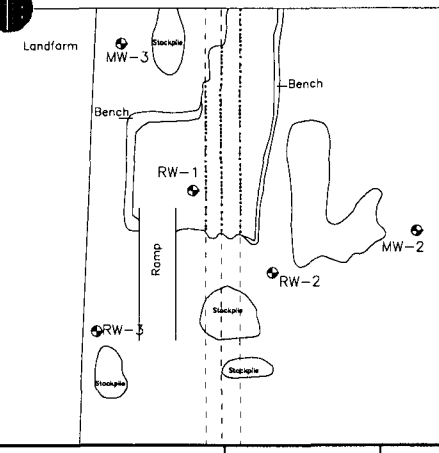
CASING DIA (in) 2" TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 3/26/06 1355

TOP OF CASING ELEV. (ft) GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40				0	SC	Sandstone, light reddish brown, well indurated, damp, very fine grained, well sorted, subangular.		
42								
44	X							
46				0	SC	Sandstone, light reddish grey, well indurated, damp, very fine to fine grained, poorly sorted, subangular.	MW3-45'	
48						Water @ 49'		
50	X			0	SC	Sandstone, light reddish brown, loose, wet, very fine to fine grained, poorly sorted, subangular.	MW3-50'	
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

T.D. 60'

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER SB-1/ RW-1

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 45 BOREHOLE DIA (in) 5" STICKUP (ft) --

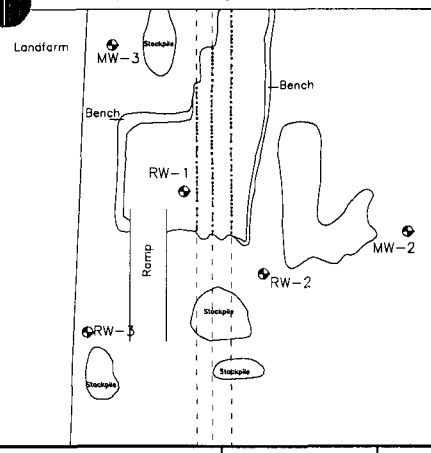
CASING DIA (in) 4" TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/21/06 0950

TOP OF CASING ELEV. (ft)_____ GROUND SURFACE ELV. (ft)_____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0						Fill to 1'		
2					CAL	Caliche		
4	X			368	CAL	Caliche, greenish gray, firm to intermediate, damp, silty, very fine to fine grained, fairly well sorted, subangular.	SB1-5'	
6								
8								
10	X			458	CAL	Caliche, greenish grey, firm to well indurated, damp, silty, very fine to fine grained, fairly well sorted, subangular, moderate odor and staining.	SB1-10'	
12								
14	X			360	CAL	Caliche, greenish grey, well indurated, silty, sandy, very fine to fine grained, poorly sorted, subangular, strong odor, light staining.	SB1-15'	
16								
18								
20	X			464	CAL	Caliche, light greenish grey, well indurated, damp, silty, very fine grained, subangular, slight odor, light staining.	SB1-20'	
22								
24	X			256	CAL	Caliche, light grey, well indurated, damp, slight odor, no staining, siliceous caliche @ 22', hard sandstone 27' to 33'.	SB1-25'	
26								
28								
30	X			386	SC	Sandstone, light reddish brown, well indurated, damp, very fine grained, well sorted, subangular, slight odor.	SB1-30'	
32								
34	X			393	SC	Sandstone, medium reddish brown, firm, wet, very fine grained, well sorted, subangular, PSH on tool.	SB1-35'	
36								
38						Water @ 39.5'		
40	X				SC	Sandstone, medium reddish brown, well indurated, wet, very fine grained, well sorted, subangular.	SB1-40'	
42								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER SB-1 RW-1

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 45 BOREHOLE DIA (in) 5 STICKUP (ft) --

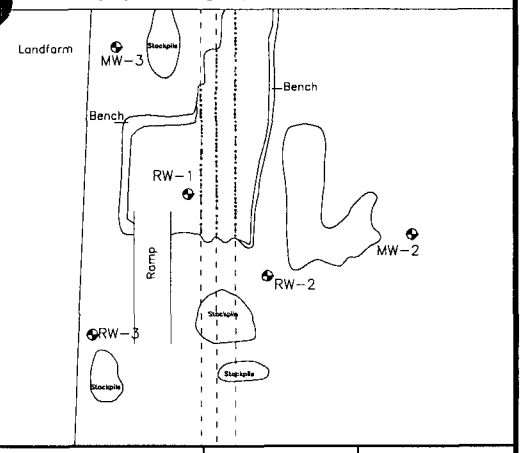
CASING DIA (in) 4" TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 3/21/06 0950

TOP OF CASING ELEV. (ft) GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40					SC	Sandstone, medium reddish brown, well indurated, wet, very fine grained, well sorted, subangular.		
42								
44					SC	Sandstone, medium reddish brown, wellindurated, wet, very fine grained, well sorted, subangular.		

T.D. 45'

46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER RW-2

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5 STICKUP (ft) --

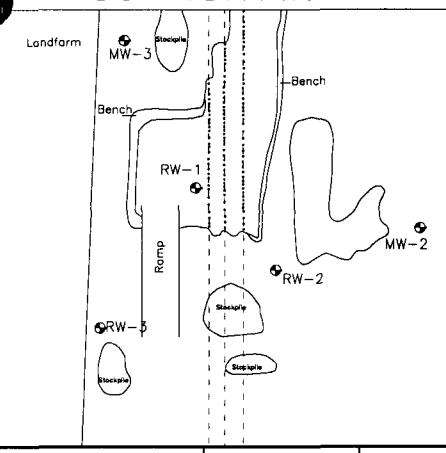
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 3/21/06 1506

TOP OF CASING ELEV. (ft) GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0								
2								
4	X			0	SC	Sand, dark reddish brown, loose, dry, very fine grain, well sorted, Subrounded	RW2-5'	
6					CAL	Caliche		
8								
10	X			0	CAL	Caliche, light reddish grey, poorly indurated, dry, silty, poorly consolidated	RW2-10'	
12								
14	X			0	SC CAL	Sandstone/Caliche, dark reddish brown, firm to intermediate, dry, sandy, very fine to fine grained, poorly sorted, subangular.	RW2-15'	
16						Caliche @ 18'		
18								
20	X			0	CAL	Caliche, light reddish brown, siliceous, hard, well indurated, dry, very fine to fine grained, fair sorting, subangular	RW2-20'	
22								
24	X			0	CAL	Caliche, light redish grey, well indurated, dry,siliceous, very fine to fine grained, subangular.	RW2-25'	
26								
28								
30	X			0	CAL	Caliche, light grey, firm to well indurated, damp, silty, very fine grained well sorted, subangular.	RW2-30'	
32								
34	X			0	CAL	Caliche, light reddish grey, well indurated, dry, siliceous, very fine grain, well sorted, subangular	RW2-35'	
36								
38					SC			
40	X			9.6	SC	Sandstone, well indurated, dry, very fine grain, well sorted, subangular	RW2-40'	
42								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER RW-2

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5 STICKUP (ft) --

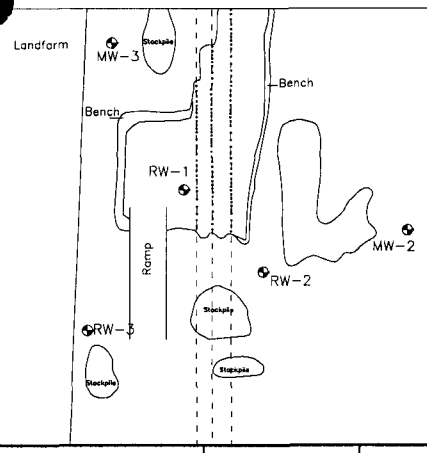
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/24/06 1014

TOP OF CASING ELEV. (ft) GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40								
42								
44	X			353	SC	Sandstone, light red brown, well indurated, moist, very fine grain, well sorted, subangular, strong odor	RW2-45'	
46								
48						Water @ 47'		
50	X			28.6	SC	Sand, dark red, poorly indurated, wet, fine to medium grain, poorly sorted, angular, PSH on tool	RW2-50'	
52								
54					SC			
56								
58								
60					SC			
						T.D. 60'		
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER RW-3

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5 STICKUP (ft) --

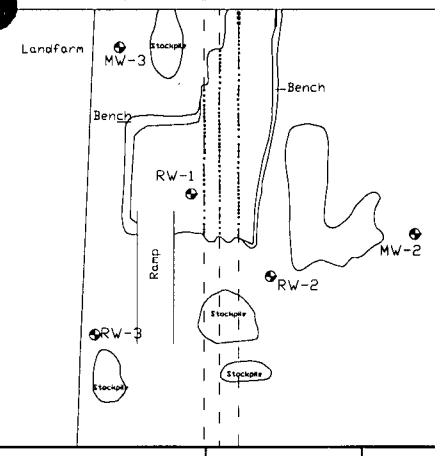
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/24/06 1014

TOP OF CASING ELEV. (ft) _____ GROUND SURFACE ELV. (ft) _____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0								
2								
4	X			0	SC	Sandstone, dark reddish brown, loose, damp, very fine to fine grained, fairly sorted, subangular.	RW3-5'	
6					CAL	Caliche		
8								
10	X			0	CAL	Caliche, light greyish brown, firm to intermediate, damp, silty very fine to fine grained, fairly sorted, subangular.	RW3-10'	
12								
14	X			0	SC	Sandstone/ Caliche, dark reddish brown, firm to intermediate, dry, very fine to fine, poorly sorted, subangular.	RW3-15'	
16								
18						Caliche @ 19'		
20	X			0	CAL	Caliche, light reddish grey, firm to intermediate, damp, sandy very fine to fine grained, poorly sorted, subangular.	RW3-20'	
22								
24	X			0	CAL	Caliche, light grey, firm to well indurated, damp, silty very fine grained, well sorted, subangular.	RW3-25'	
26								
28								
30	X			0	CAL	Caliche, light grey, firm to well indurated, damp, very fine grained, well sorted, subangular.	RW3-30'	
32								
34	X			0	CAL	Caliche, siliceous, light grey, well indurated, damp, silty very fine grained, well sorted.	RW3-35'	
36								
38								
40	X			0	CAL	Caliche, siliceous, light grey, well indurated, damp, silty very fine grained, well sorted.	RW3-40'	
42								

PREMIER
ENVIRONMENTAL SERVICES, INC.

WELL NUMBER RW-3

PROJECT Vac to Jal #5 205069.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 60 BOREHOLE DIA (in) 5 STICKUP (ft) --

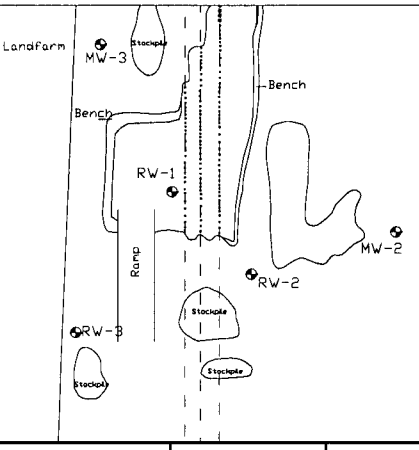
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.010

DRILLING CO. Straub Corp. DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 03/24/06 1014

TOP OF CASING ELEV. (ft) _____ GROUND SURFACE ELV. (ft) _____

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40					CAL	Caliche, siliceous, light grey, well indurated, damp, silty very fine grained, well sorted.	RW3–40'	
42								
44	X			0	SC	Sandstone, medium reddish brown, well indurated, damp, very fine to fine grained, fairly sorted, subangular, strong odor @ 45.5'.	RW3–45'	
46								
48						Water @ 49'		
50	X			73.6	SC	Sandstone, medium greyish brown, well indurated, damp, very fine to fine grained, fairly sorted, subangular.		
52								
54	X							
56								
58								
60	X							

T.D. 60'

62 64 66 68 70 72 74 76 78 80

Appendix B Tables

Table 1 – Soil Sample Analytical Results
Table 2 – Land farm Soil Sample Analytical Results
Table 3 – Groundwater Sample Analytical Results

Table 1
Soil Analytical Results
Plains Marketing L.P.
EMS No. 2003-00134
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico

Borehole ID	Date Sampled	Interval (BGS')	Sample ID	DRO mg/Kg	GRO mg/Kg	TPH mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	Toluene mg/Kg
BH1	5/30/2003	2	SE14M553003BH1-2	237	<5	242	0.347	0.026	0.053	0.131	0.136
	5/30/2003	5	SE14M553003BH1-5	7.98	<5	12.98	<.020	<.020	<.020	<.020	<.020
	5/30/2003	10	SE14M553003BH1-10	754	<5	759	0.025	<.020	<.020	0.025	<.020
	5/30/2003	13	SE14M553003BH1-13	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/2003	20	SE14M553003BH1-20	16.2	<5	21.2	0.100	<.020	<.020	<.020	<.020
BH2	5/30/2003	2	SE14M553003BH2-2	26600	13200	39800	363.990	6.690	75.800	212.600	68.900
	5/30/2003	5	SE14M553003BH2-5	512	5.59	517.59	0.067	<.020	<.020	0.038	0.029
	5/30/2003	10	SE14M553003BH2-10	873	<5	878	0.022	<.020	<.020	<.020	0.022
	5/30/2003	15	SE14M553003BH2-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
BH3	5/30/2003	2	SE14M553003BH3-2	13400	7670	21070	235.920	1.920	50.400	145.800	37.800
	5/30/2003	5	SE14M553003BH3-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	5/30/2003	10	SE14M553003BH3-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	5/30/2003	15	SE14M553003BH3-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
BH4	6/2/2003	2	SE14M56203BH4-2	20400	11300	31700	330.760	3.560	69.400	204.600	53.200
	6/2/2003	5	SE14M56203BH4-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	10	SE14M56203BH4-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	13	SE14M56203BH4-13	NS	NS	NS	NS	NS	NS	NS	NS
	6/2/2003	15	SE14M56203BH4-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
BH5	6/2/2003	2	SE14M56203BH5-2	9760	6570	16330	239.470	3.470	50.200	143.700	42.100
	6/2/2003	5	SE14M56203BH5-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	10	SE14M56203BH5-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	15	SE14M56203BH5-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
BH6	6/2/2003	2	SE14M56203BH6-2	10900	9330	20230	235.670	3.170	51.600	137.700	43.200
	6/2/2003	5	SE14M56203BH6-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	10	SE14M56203BH6-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	15	SE14M56203BH6-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
BH7	6/2/2003	2	SE14M56203BH7-2	787	<5	792	0.2249	<.020	0.084	0.106	<.020
	6/2/2003	5	SE14M56203BH7-5	2760	1390	4150	35.166	<.020	17.200	17.926	<.020
	6/2/2003	10	SE14M56203BH7-10	1160	<5	1165	0.385	<.020	0.182	0.203	<.020
	6/2/2003	15	SE14M56203BH7-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
	6/2/2003	20	SE14M56203BH7-20	<5	<5	10	<.020	<.020	<.020	<.020	<.020
BH8	6/2/2003	2	SE14M56203BH8-2	223	<5	228	<.020	<.020	<.020	<.020	<.020
	6/2/2003	5	SE14M56203BH8-5	302	<5	307	<.020	<.020	<.020	<.020	<.020
	6/2/2003	10	SE14M56203BH8-10	735	<5	740	<.020	<.020	<.020	<.020	<.020
	6/2/2003	15	SE14M56203BH8-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020
Test Trench Samples											
	3/3/2004		SL14M030304BH7 5'	191	<10	191	0.2152	<0.0250	0.0487	0.1665	0.0195 (J)
	3/3/2004		SL14M030304BH1 10'	5330	3190	8520	263.9	22.8	55.0	104.3	81.8
	3/3/2004		SL14M030304BH6 5'	195	16.9	211.9	0.3356	<0.0250	0.0711	0.1879	0.0766
	3/3/2004		SL14030304BH4 13'	165	16	181	0.5435	<0.0250	0.118	0.3353	0.0902

Table 1
Soil Analytical Results
Plains Marketing L.P.
EMS No. 2003-00134
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico

Borehole ID	Date Sampled	Interval (BGS')	Sample ID	DRO mg/Kg	GRO mg/Kg	TPH mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	Toluene mg/Kg
Excavation Samples											
BH9	4/15/2004		LEVML54104NFPBH9'	11	<5	11	<.040	<.020	<.020	<.040	<.020
NSW	4/15/2004		LEVML541504NFPNSW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
ESW	4/15/2004		LEVML541504NFPESW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
WSW	4/15/2004		LEVML54104NFPWSW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
BH14	4/15/2004		LEVML54104WFPBH14'	645	53.3	698.3	<.040	<020	0.329	1.915	0.1
NSW	4/15/2004		LEVML54104WFPNSW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
SSW	4/15/2004		LEVML54104WFPSSW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
ESW	4/15/2004		LEVML541504WFPESW	5.83	<5	5.83	<.040	<.020	<.020	<.040	<.020
WSW	4/15/2004		LEVML541504WFPWSW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
WFP Bottom	4/15/2004		LEVML541504WFPLOPBH	224	16.8	240.8	0.043	<.020	<.020	0.043	<.020
EFP Bottom	4/15/2004		LEVML541504EFPBH8'	40.2	<5	40.2	<.040	<.020	<.020	<.040	<.020
EFP NESW	4/15/2004		LEVML541504EFPNESW	1380	88.5	1468.5	0.199	<.020	<.020	0.1989	<.020
EFP SESW	4/15/2004		LEVML541504EFPSESW	<5	<5	<5	<.040	<.020	<.020	<.040	<.020
EFP WSW	4/15/2004		LEVML54104EFPWSW	190	6.74	196.74	<.040	<.020	<.020	<.040	<.020
Borehole											
RW-1	3/21/2006	20	SB1-20'	**1360**	**612**	**1972**	24.904	0.0743	1.190	4.840	18.80
RW-1	3/21/2006	25	SB1-25'	**948**	**126**	**1074**	3.367	<0.015	0.129	0.608	2.630
RW-1	3/21/2006	35	SB1-35'	**477**	**218**	**695**	5.030	<0.018	<0.012	1.250	3.780
RW-2	3/21/2006	35	PMW4-35'	<3.8	<3.1	<3.8	0.00115	<0.00033	0.0003	<0.00033	0.00085
RW-2	3/21/2006	40	PMW4-40'	<3.4	<2.6	<3.4	<0.00061	<0.0003	<0.0002	<0.0003	<0.00061
RW-2	3/21/2006	45	PMW4-45'	**179**	3.36	**182**	0.01286	0.00068	0.00088	0.0013	0.010
MW-1	3/22/2006	5	MW1-5'	13	<2.9	13	0.0047	<0.00032	<0.00022	0.0011	0.0036
MW-1	3/22/2006	15	MW1-15'	<3.6	<2.9	<3.6	<0.00064	<0.00032	<0.00021	<0.00032	<0.00064
MW-1	3/22/2006	45	MW1-45'	<3.8	<3.2	<3.8	0.00030	<0.00033	0.00030	<0.00033	<0.00066
MW-2	3/23/2006	30	MW2-30'	<3.8	<3.3	<3.8	0.00036	<0.00034	<0.00023	0.00036	<0.00068
MW-2	3/23/2006	45	MW2-45'	<3.8	<3.1	<3.8	<0.00067	<0.00033	<0.00022	<0.00033	<0.00067
MW-2	3/23/2006	50	MW2-50'	<3.5	<2.8	<3.5	<0.00063	<0.00032	<0.00021	<0.00032	<0.00063
MW-3	3/23/2006	30	MW3-30'	<3.8	<3.1	<3.8	0.00031	<0.00033	0.00031	<0.00033	<0.00066
MW-3	3/23/2006	45	MW3-45'	<3.5	<2.8	<3.5	<0.00063	<0.00032	<0.00021	<0.00032	<0.00063
MW-3	3/23/2006	50	MW3-50'	4.89	<2.8	4.89	<0.00064	<0.00032	<0.00021	<0.00032	<0.00064
RW-3	3/24/2006	40	RW3-40'	<3.4	<2.6	<3.4	<0.00061	<0.0003	<0.0002	<0.0003	<0.00061
RW-3	3/24/2006	45	RW3-45'	<3.6	<3	<3.6	<0.00064	<0.00032	<0.00021	<0.00032	<0.00064
RW-3	3/24/2006	50	RW3-50'	**127**	3.56	**131**	0.02239	<0.00031	0.00029	0.0042	0.0179

Lab Report T12986 for RW and MW samples enclosed in Attachement C
NS = not sampled
BGS - Below Ground Surface DRO - Diesel Range Organics GRO - Gasoline Range Organics

Table 2
Land farm Soil Sample Analytical Results
Plains Marketing L.P.
EMS No. 2003-00134
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico

Date Sampled	Lab ID	Sample ID	DRO mg/Kg	GRO mg/Kg	TPH 8015m mg/Kg	BTEX 8021b mg/Kg	Benzene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	Toluene mg/Kg
1/12/2006	T12364-1	SP-1	475	<3.1	475	<0.00067	<0.00033	<0.00033	<0.00067	<0.00022
1/12/2006	T12364-2	SP-2	498	<3.1	498	<0.00066	<0.00033	<0.00033	<0.00066	<0.00022
1/12/2006	T12364-3	SP-3	1180	<3.1	1180	<0.00067	<0.00034	<0.00034	<0.00067	<0.00022
1/12/2006	T12364-4	SP-4	587	<2.9	587	<0.00066	<0.00033	<0.00033	<0.00066	<0.00022
1/12/2006	T12364-5	SP-5	949	<3.1	949	<0.00067	<0.00034	<0.00034	<0.00067	<0.00022
1/12/2006	T12364-6	SP-6	1010	<2.9	1010	0.0046	<0.00033	0.0013	0.0033	<0.00022
1/12/2006	T12364-7	SP-7	618	<2.9	618	<0.00065	<0.00033	<0.00033	<0.00065	<0.00022
1/12/2006	T12364-8	SP-8	611	<2.9	611	<0.00066	<0.00033	<0.00033	<0.00066	<0.00022
1/12/2006	T12364-9	SP-9	517	<3.0	517	<0.00065	<0.00033	<0.00032	<0.00065	<0.00022
1/12/2006	T12364-10	SP-10	246	<3.1	246	<0.00066	<0.00033	<0.00033	<0.00066	<0.00022
1/12/2006	T12364-11	SP-11	343	<3.0	343	<0.00063	<0.00032	<0.00032	<0.00063	<0.00021
1/12/2006	T12364-12	SP-12	231	<2.8	231	<0.00064	<0.00032	<0.00032	<0.00064	<0.00021

Table 3
Groundwater Analytical Results
Plains Marketing L.P.
EMS # 2003--00134
Vacuum to Jal #5
Lea County, New Mexico

Well	Lab ID	Date Taken	BTEX	Benzene	Toluene	Ethylbenzene	Total Xylenes
			8260b mg/L	mg/L	mg/L	mg/L	mg/L
MW-1	T 13036-1	3/29/2006	0.5827	**0.557**	0.0032	0.0133	0.0092
MW-2	T 13036-2	3/29/2006	0.00272	0.0012	0.0011	0.00042	<0.00072
MW-3	T 13036-3	3/29/2006	0.0277	0.0129	0.0089	0.0021	0.0038

Note: RW-1, RW-2 and RW-3 not sampled due to presence of Phase Separated Hydrocarbons

Appendix C Analytical Reports

T12986 Soil boring sample analytical report
T12364 Land farm soil sample analytical report
T13036 Groundwater sample analytical report

(on CD only)

Appendix D Regulatory Information

New Mexico Office of State Engineer Water Well Report

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 2

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

WATER COLUMN REPORT 06/20/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
CP 00929 EXPLORE	22S	37E	02	3	3	3				1100		

Record Count: 1

Appendix E C-141 Release Notification

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 **EOTT Energy LLC**	Contact **Frank Hernandez**
Address **PO Box 1660 5805 East Highway 80 Midland, Texas 79702**	Telephone No. **713.253.7006**
Facility Name **Vacuum to Jal 14" Mainline #5**	Facility Type **14" Steel Pipeline**

Surface Owner **Greg Holt**	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea Lat. 32 25' 39.006"N Lon. 103 07' 43.155"W
2	**2**	**T22S**	**R37E**					

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **20 bbls barrels**	Volume Recovered **5 bbls barrels**
Source of Release **14" Steel Pipeline**	Date and Hour of Occurrence **5-23-03 @ 3:00 PM**	Date and Hour of Discovery **4:00 PM @ 5-23-03**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Buddy Hill**	
By Whom? **Pat McCasland, EPI**	Date and Hour **5-23-03 @ 8:00 PM**	
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.*
14" Steel Pipeline. The cause was either internal or external corrosion. The line was being pressure tested at the time of the occurrence. The line was depressured and a line repair clamp installed. Contaminated soil placed on a plastic barrier.

Describe Area Affected and Cleanup Action Taken.*
~200' x 100' 8,730 sqft ***Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be disposed of or remediated on site. Remedial Goals: TPH 8015m = 1000 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.***

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

Signature:	**OIL CONSERVATION DIVISION** Approved by District Supervisor:	
Printed Name: Frank Hernandez		
Title: District Environmental Supervisor	Approval Date:	Expiration Date:
Date: May 27, 2003 Phone: 713.253.7006	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

April 27, 2006

Mr. Daniel Bryant
Plains Marketing, L.P.
P.O. Box 3371
Midland, TX 79702

Dear Mr. Bryant:

Per our discussions on April 26, 2006, work plans are to be submitted on the following sites:

Delrose Scott Hugh Site	1R-0463
Vacuum to Jal 14" Mainline #3 Site	1R-0455
Vacuum to Jal 14" Mainline #5 Site	1R-0464

These work plans will detail the activities we discussed during our visits to the sites. They need not be elaborate, but should adequately describe the remediation of the soil and protection of the groundwater at the sites. Please have these prepared as soon as possible, so that work may begin quickly.

If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

Copy: NMOCD, Hobbs
Will Murley, Premier
Chan Patel, Premier

Martin, Ed, EMNRD

To: Daniel M Bryant
Cc: Caperton, Patricia, EMNRD; Johnson, Larry, EMNRD; Sheeley, Paul, EMNRD
Subject: RE:

OK. Thanks for the notice. Keep me posted.

Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 S. St. Francis
Santa Fe, NM 87505
Phone: 505-476-3492
Fax: 505-476-3462
email: ed.martin@state.nm.us

1R-1164 (HOBBS)
PAT WILL SEND
REST OF PAPERWORK
TO S.F.

-----Original Message-----
From: Daniel M Bryant [mailto:dmbryant@paalp.com]
Sent: Wednesday, March 22, 2006 8:14 AM
To: Martin, Ed, EMNRD; Caperton, Patricia, EMNRD
Subject:

Ed and Pat,

As per our discussion on 3/21/06, Plains has discovered impact to groundwater at a release located in the NE/4 of the NE/4 of S2, T22S, R37E, which occurred on 5/23/03 on the Vacuum to Jal 14" steel pipeline. During the installation of soil borings at the site location, PSH was encountered at the groundwater interface. Additional monitoring wells are currently being installed at the site and I will keep you informed of any developments as they happen.

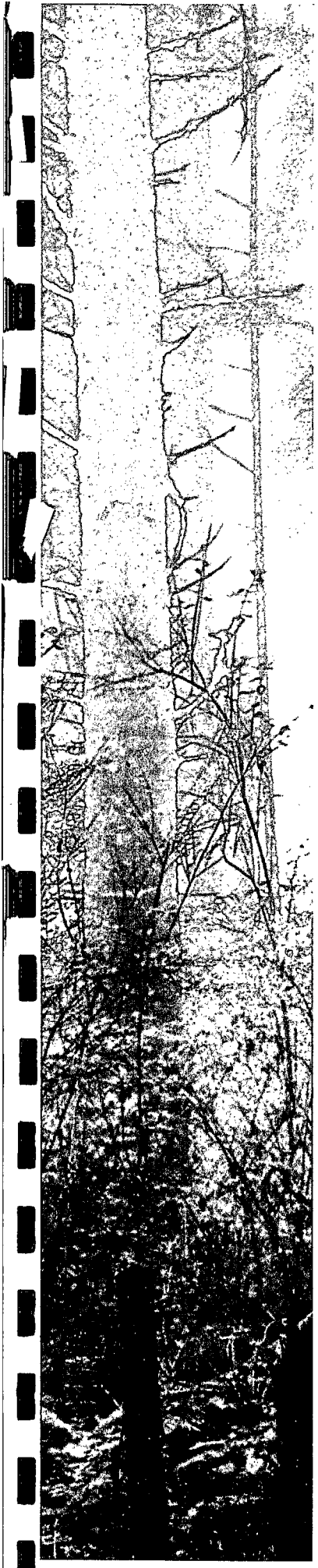
The landowner is Greg Holt and notification has been made to him regarding the discovered impact.

The Plains site name is Vacuum to Jal Mainline #5 and the Plains reference leak number is 2003-00134. I have attached a copy of the initial C-141 for your reference. If you need any additional information just let me know. Thanks for your time.

<<Vacuum to Jal 14in ML No. 5 Initial C-141.pdf>>

Daniel Bryant
E & RC Specialist
Plains All American Pipeline

Office: 432/686-1769
Cellular: 432/557-5865
E-mail: dmbryant@paalp.com



DATA EVALUATION AND CLOSURE PROPOSAL

IR-464

VACUUM TO JAL 14" MAINLINE # 5

PLAINS EMS NO. 2003-00134

UL-A SECTION 2 T22S R37E

Lea County, New Mexico

NEED FURTHER DELINEATION TO BE CLOSURE
VERBAL OK 9:40 AM 9.9.05 SM
SEE PG ???

PREPARED FOR

PLAINS MARKETING, L.P.

333 CLAY STREET, SUITE 1600

HOUSTON, TEXAS 77002

PREPARED BY

PREMIER ENVIRONMENTAL SERVICES, INC

4800 SUGAR GROVE BLVD., SUITE 420

STAFFORD, TEXAS 77477

281.240.5200

Project No. 205069.00

July 2005

Plains - 231735
facility - fPAC0603925551
incident - nPAC0603926141
inspect - ePAC0603926096
application - pPAC0603926426

Table of Contents

DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI). Premier has not conducted an independent examination of the information contained in the Plains files; furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents to be true and accurate. Premier has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. Premier will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. Premier believes the conclusions stated herein are factual, but no guarantee is made or implied.

Executive Summary

On May 23, 2003, a release of approximately 20 barrels of crude oil occurred from a 14" steel pipeline at the EOTT Energy LLC (EOTT) Vacuum to Jal 14" Mainline #5 site, EMS No. 2003-00134 (Vac to Jal #5). Plains Marketing, L.P. (Plains) currently owns the pipeline. The site is located in unit letter A, NE¼ of the NE¼, Section 2 Township 22S, Range 37E, or more specifically at latitude 32° 25' 39.006" N and longitude 103 ° 07' 43.155" W in Lea County, New Mexico (Figure 1, Appendix A). The land is owned by Mr. Greg Holt. Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD) on May 23, 2003 at about 8:00 p.m., according to the Initial C-141. The leak was apparently caused by internal or external corrosion and was repaired. The line was being pressure tested when the leak occurred.

132 BBLS

The irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be a historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer noted at the surface (Fig. 2, Appendix A). The depth of this historical spill is unknown. According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), emergency response excavation was completed in May and June 2003 and this soil was stockpiled onsite. File correspondence from EPI to Plains states that, during March 5 to March 11, 2004, approximately 1,466 yd^3 of the more heavily impacted surface soils had been transported for treatment at the Lea Station Land Farm.

Based on the proximity of Vacuum to Jal 14" No. 5 to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **10 points.**

Eight borings were placed to delineate the May 2003 spill as well as the historical spill. Analytical results from these eight delineation borings installed in May/June 2003 to 15 feet bgs indicate that Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) concentrations are either below the detection limit of 0.020 mg/Kg or below the regulatory standard, except at the surface in BH-2, BH-3, BH -4, BH-5, and BH - 6. Total Petroleum Hydrocarbon (TPH) exceedances are at the surface in the same locations, and at BH-7 up to 10 feet bgs (Figure 2, Appendix A; Table 3, Appendix B; Analytical Reports, Appendix C).

In March 2004, prior to excavation activities to remove impacted soil, four exploratory trenches were completed to further delineate the 2003 release (Fig. 2, Appendix A). Headspace analysis of soil show Volatile Organic Concentrations (VOCs) above 100 ppm, the NMOCD field screening remediation criteria, in trenches adjacent to BH-1 to 13 feet bgs, adjacent to BH-4 to 10 feet bgs, and proximal to BH-6, to 2 feet bgs (Table 3, Appendix B). These areas were further excavated and additional excavated soil was land farmed onsite. According to Mr. McCasland, the impacted soil has been periodically tilled, and remains onsite.

Soil samples for laboratory analyses do not appear to have been collected from the excavation base and side walls, the onsite land farm, and onsite stockpiles.

Plains proposes completing delineation by collecting soil samples from the base of the excavation and from the side walls. If excavation analytical results are above regulatory limits, soil borings will be installed based on the location of elevated concentrations, sampled continuously and soil samples collected every 5 feet to a depth of 20 feet for laboratory analyses. Samples will be analyzed for TPH DRO and GRO, and BTEX. To demonstrate whether or not COCs could potentially impact groundwater above the NMOCD standards, (mobility of COCs in soil), the synthetic precipitate leaching procedure (SPLP) may be used with analyses for BTEX constituents on one or more of the soil samples exhibiting the highest TPH concentrations.

Composite samples will be collected at a rate of one sample per 250 cubic yards from the onsite soil stockpiles that have been land farmed, and analyzed for TPH DRO and GRO and BTEX. If necessary, one or more of these samples may be submitted for SPLP BTEX analysis. Analytical data from stockpiled material will be used to determine if the stockpiled material can be used as backfill at the Site.

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1.0 Introduction and Site History

Premier Environmental Services, Inc. (Premier) has been retained by Plains Marketing, L.P. (Plains) to review existing site data and prepare a Data Evaluation and Closure Proposal for the Vacuum to Jal 14" Mainline #5 Site (Vac to Jal #5) (EMS Nos. 2003-00134).

The leak that occurred at the Vac to Jal #5 Site (Site) on March 23, 2003 was apparently caused by external or internal corrosion. The site is located in unit letter A, NE¼ of the NE¼, Section 2, Township 22S, Range 37E, or more specifically at latitude 32° 25' 39.006" N and longitude 103 ° 07' 43.155" W in Lea County, New Mexico (Figure 1, Appendix A). Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD) on May 23, 2003 at about 8:00 p.m., according to the Initial C-141. The line was being pressure tested when the leak occurred and the line was subsequently repaired. The C-141 form identified remediation standards, and outlined an initial plan to remediate the site. A copy of the C-141 is found in Appendix E.

The irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be an historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer (Fig. 2, Appendix A). Soil samples were collected from eight boreholes installed up to 15 feet below ground surface (bgs), also completed in May and June 2003. According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), emergency response excavation was completed in May and June 2003 and, as of March 2004, approximately 1,466 yd^3 had been transported for treatment at the Lea Station Land Farm.

2.0 Environmental Characterization

2.1 Geological Description

In Lea County, the Recent Age Mescalero sands cover 80% of Lea County, and are described as fine to medium-grained and reddish brown in color. Lea County lies in the Pecos Valley Section of the Great Plains Province, very near the Southern High Plains to the east. The Tertiary Age Ogallala Formation underlies all of the High Plains and mantles several ridges in Lea County.

The site appears to be located primarily on Recent Age Mescalero sands. The site seems to be characteristic of the High Plains, with a uniform, topographically relatively flat surface that slopes very gently to the southeast.

2.2 Land Use

Land use in the area is primarily livestock rangeland and oil field activities. Several gas compressor stations are located in the vicinity of the site and several major oil and gas transmission lines bisect the region. The area in the immediate vicinity of the Site is sparsely populated but there is one residential property within approximately 500 feet of the Site. According to the City of Eunice Water/Wastewater Superintendent, the water supply for this residence is the Eunice Municipal Water Supply.

2.3 Ground Water

The New Mexico Office of the State Engineer database lists one water well in Section 2, T22S R37E (Appendix D). This water well is listed with an average depth to water of 1100 feet. The City of Eunice Water/Wastewater Superintendent was not aware of a private well on the residential property located within approximately 500 feet of the Site. According to EPI, a water well used for agricultural purposes is located on this property, with a depth to groundwater of about 65 feet bgs.

2.4 Surface Water

There are no surface water bodies within 1000 feet of the site.

3.0 Regulatory Framework

In New Mexico, the NMOCD oversees and regulates oil, gas and geothermal activities, including compliance with environmental regulations. Guidance for cleanup of crude oil releases is provided in the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993) document. Primary contaminants, or COCs, associated with crude oil releases include total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and total xylenes (BTEX). Guidelines for these COCs in soil are evaluated based on a site ranking system. The ranking system estimates the likelihood of exposures to the COCs and is based on the three following parameters,

- Depth to groundwater
- Wellhead protection area
- Distance to surface water body

These parameters illustrate that focus of the guidelines is to protect groundwater and surface water resources.

3.1 NMOCD Site Ranking Guidance – Initial Evaluation

The site was initially evaluated based on the information presented in the previous sections. Based on the proximity of the site to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **10 points,** with the soil remedial goals highlighted below in the Site Ranking Matrix.

Site Ranking Matrix

<table>
<tr><th>1. Groundwater</th><th>2. Wellhead Protection Area</th><th>3. Distance to Surface Water Body</th></tr>
<tr><td>If Depth to GW <50 feet: 20 points</td><td rowspan="2">If <1000' from water source, or, <200' from private domestic water source: 20 points</td><td><200 horizontal feet: 20 points</td></tr>
<tr><td>If Depth to GW 50 to 99 feet: 10 points</td><td rowspan="2">200-100 horizontal feet: 10 points</td></tr>
<tr><td>If Depth to GW >100 feet: 0 points</td><td>If >1000' from water source, or, >200' from private domestic water source: 0 points</td></tr>
<tr><td>Groundwater Score:10</td><td>Wellhead Protection Area Score: 0</td><td>Surface Water Score: 0</td></tr>
<tr><td colspan="3">Site Rank (1+2+3) =10+0+0=10</td></tr>
<tr><td colspan="3">Total Site Ranking Score and Initial Guidance Cleanup Concentrations</td></tr>
</table>

Parameter	20 or >	10	0
Benzene[1]	10 ppm	**10 ppm**	10 ppm
BTEX[1]	50 ppm	**50 ppm**	50 ppm
TPH	100 ppm	**1000 ppm**	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

During the proposed field effort, the existence and location of the water well that reportedly exists at the nearby residential property will be determined. The preliminary evaluation suggests that there is minimal risk for migration to groundwater from COCs in soil, in concentrations that would exceed the NMOCD Standards.

4.0 Soil Investigation Results

In May and June, 2003, eight boreholes were installed to a depth of 15 feet bgs to further delineate impact from the May 2003 Vac to Jal #5 release. Soil samples were collected at intervals between 2 feet to 15 feet in depth and submitted to Analysys, Inc. for laboratory analyses of TPH DRO, GRO, by EPA Method 8015M, and for BTEX by EPA Method 8021B. Copies of the laboratory reports are presented in Appendix C. Impact to soil from the Vac to Jal #5 release was generally limited to less than 2 feet bgs, as indicated in laboratory results. Analytical results show that Benzene, Toluene, Ethylbenzene, and Xylene (BTEX)

concentrations are either below the detection limit of 0.020 mg/Kg or below the regulatory standard, except at the surface in BH-2, BH-3, BH -4, BH-5, and BH -6. TPH exceedances are at the surface in the same locations, and at BH-7, up to 10 feet bgs (Figure 2, Appendix A; Table 1, Appendix B; Analytical Reports, Appendix C).

In March 2004, prior to excavation activities to remove impacted soil, VOC headspace analysis of soil from four exploratory trenches was completed to further delineate the 2003 release (Fig. 3, Appendix A). These trenches are adjacent to BH-1, BH-4, BH-6, and BH-7. VOC headspace analysis show Volatile Organic Concentrations (VOC) above 100 ppm, the NMOCD field screening remediation criteria, in trenches completed adjacent to BH-1 down to 13 feet bgs, adjacent to BH-4 to 10 feet bgs, and proximal to BH-6, down to 2 feet bgs. These areas were further excavated and this soil was land farmed onsite. According to Mr. McCasland, the impacted soil has been periodically tilled, and remains onsite.

5.0 Remediation Activities Completed

The irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be an historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer (Fig. 2, Appendix A). According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), emergency response excavation was completed in May and June 2003 and, as of March 12, 2004, approximately 1,466 yds^3 of the more heavily impacted surface soils had been transported for treatment at the Lea Station Land Farm. After March 12, 2004, the excavated soil was land farmed onsite, and according to Mr. McCasland, the impacted soil has been periodically tilled and remains onsite.

6.0 Groundwater Investigation

Due to the limited depth of impacted soils of less than 15 feet, and the average depth to groundwater of 65 feet bgs, it was determined that a groundwater investigation was not necessary for this site. The results of the soil investigation confirm that crude oil did not penetrate the subsurface to a significant depth, and that groundwater is not likely to be threatened by this release.

7.0 Remedial Approach

Plains proposes completing delineation by collecting excavation side wall and bottom hole confirmation samples. In the excavation, six bottom hole soil samples and eight side wall samples will be collected. Samples will be analyzed for TPH DRO and GRO, and BTEX.

If analytical results from the above confirmation samples are above regulatory standards, soil borings will be installed based on the location of the excavation analytical results. If these borings are necessary, soil sampling will be done continuously and soil samples collected every 5 feet to a depth of 20 feet for laboratory analyses.

Composite samples will be collected at a rate of one sample per 250 cubic yards from the onsite soil stockpiles that have been land farmed, and analyzed for TPH DRO and GRO and BTEX. If necessary, one or more of these samples may be submitted for SPLP BTEX analysis. Analytical data from stockpiled material will be used to determine if the stockpiled material can be used as backfill at the Site.

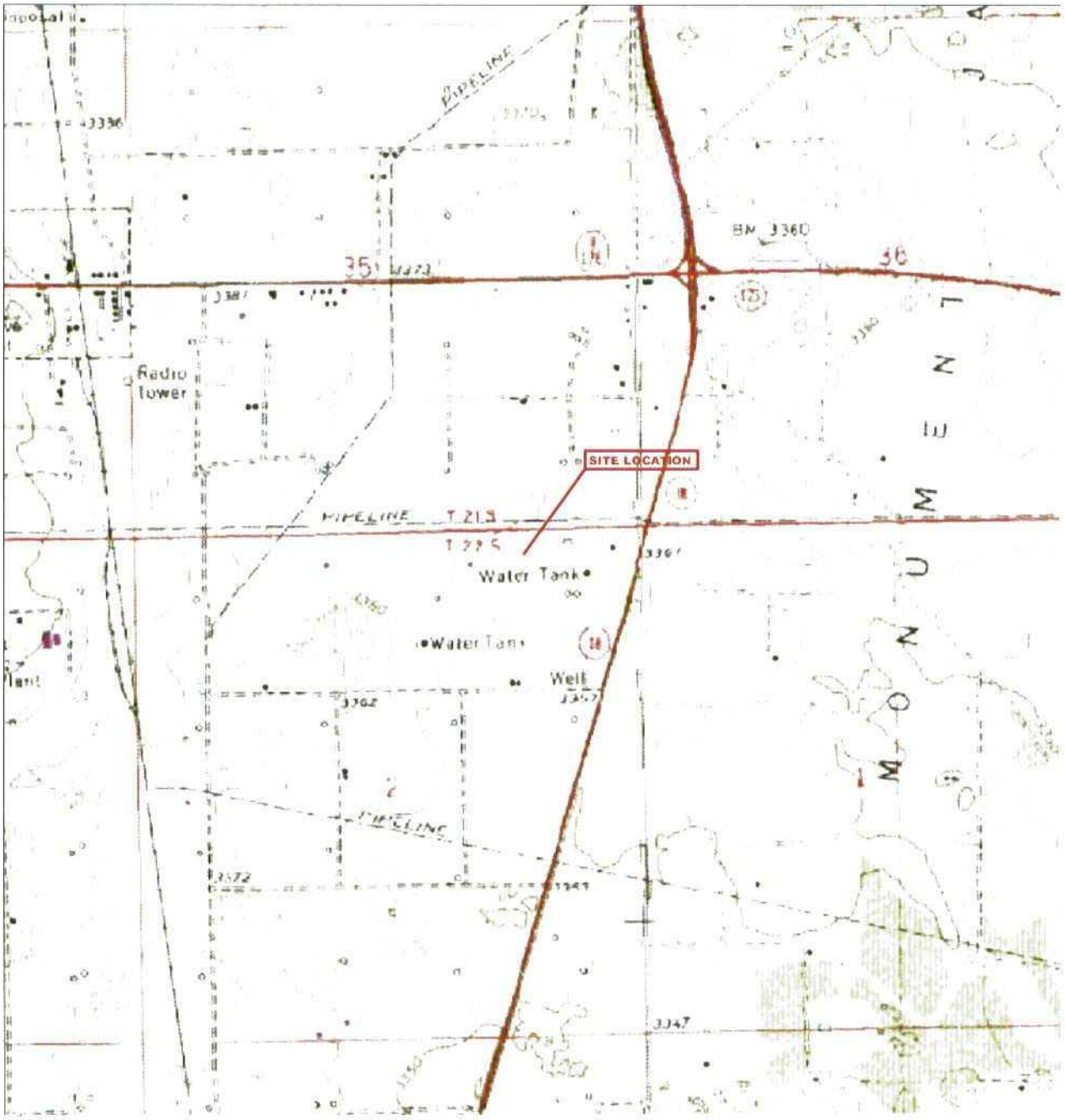
To demonstrate whether or not COCs could potentially impact groundwater above the NMOCD standards, (mobility of COCs in soil), the synthetic precipitate leaching procedure (SPLP) may be used with analyses for BTEX constituents on soil samples exhibiting BTEX concentrations above NMOCD standards.

The existence and location of the reported nearby residential water well will also be determined.

Based on the results of the proposed investigation activities, Premier, on behalf of Plains, will prepare a detailed remediation plan for approval by the NMOCD. The remediation plan will include the results of the investigation and more detailed information regarding the proposed remediation.

Appendix A Figures

Figure 1 – Site Location Map
Figure 2 – Site Map



Eunice Quadrangle
32°25'39"N Latitude & 103°07'43"W Longitude

1/2 1/4 0 1/4 1/2
Distance In Miles

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 1
Site Location Map
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 6/05

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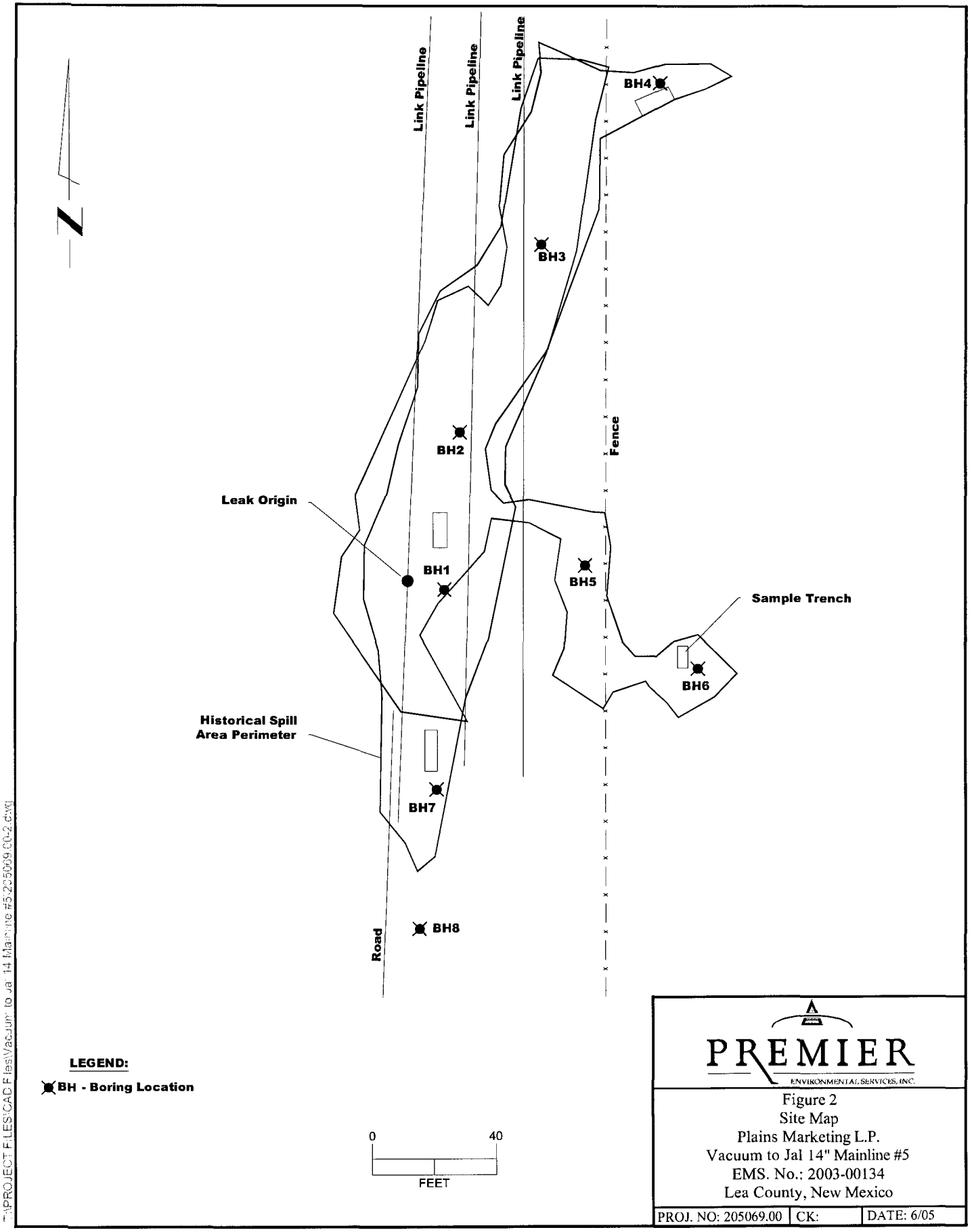

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 2
Site Map
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #5
EMS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 6/05

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Appendix B Tables

Table 1 – Soil Sample Analytical Results
May June 2003 Analytical Results and March 2004 Trench VOC Headspace

Table 1
Soil Analytical Results
Vacuum to Jal 14 Mainline #5 #2003-00134 5-30-03 and 6-2-03
Link Energy (now owned by Plains)

BH #	Date Sampled	Interval 'bgs	Sample ID	DRO mg/Kg	GRO mg/Kg	TPH mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	Toluene mg/Kg	Field ScreeenVOC * 5-30-03 ppm	Field Screen VOC* Trench 3-3-04 ppm
BH1	5/30/2003	2	SE14M553003BH1-2	237	<5	242	0.347	0.026	0.053	0.131	0.136	59.4	2999
	5/30/2003	5	SE14M553003BH1-5	7.98	<5	12.98	<.020	<.020	<.020	<.020	<.020	13.6	1813
	5/30/2003	10	SE14M553003BH1-10	754	<5	759	0.025	<.020	<.020	0.025	<.020	30.2	1537
	5/30/2003	13	SE14M553003BH1-13										1029
	5/30/2003	20	SE14M553003BH1-20	16.2	<5	21.2	0.100	<.020	<.020	<.020	<.020	20.1	--
BH2	5/30/2003	2	SE14M553003BH2-2	26600	13200	39800	363.990	6.690	75.800	212.600	68.900	769	--
	5/30/2003	5	SE14M553003BH2-5	512	5.59	517.59	0.067	<.020	<.020	0.038	0.029	38.4	--
	5/30/2003	10	SE14M553003BH2-10	873	<5	878	0.022	<.020	<.020	<.020	0.022	7.4	--
	5/30/2003	15	SE14M553003BH2-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	7	--
BH3	5/30/2003	2	SE14M553003BH3-2	13400	7670	21070	235.920	1.920	50.400	145.800	37.800	950	--
	5/30/2003	5	SE14M553003BH3-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	37.4	--
	5/30/2003	10	SE14M553003BH3-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	7.6	--
	5/30/2003	15	SE14M553003BH3-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	4.3	--
BH4	6/2/2003	2	SE14M56203BH4-2	20400	11300	31700	330.760	3.560	69.400	204.600	53.200	1341	299
	6/2/2003	5	SE14M56203BH4-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	56.5	273
	6/2/2003	10	SE14M56203BH4-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	6.3	134
	6/2/2003	13	SE14M56203BH4-13										95.8
	6/2/2003	15	SE14M56203BH4-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	5.4	--
BH5	6/2/2003	2	SE14M56203BH5-2	9760	6570	16330	239.470	3.470	50.200	143.700	42.100	1295	--
	6/2/2003	5	SE14M56203BH5-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	105	--
	6/2/2003	10	SE14M56203BH5-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	8	--
	6/2/2003	15	SE14M56203BH5-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	5.6	--
BH6	6/2/2003	2	SE14M56203BH6-2	10900	9330	20230	235.670	3.170	51.600	137.700	43.200	1400	572
	6/2/2003	5	SE14M56203BH6-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	41.3	55.3
	6/2/2003	10	SE14M56203BH6-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	10.2	11.2
	6/2/2003	15	SE14M56203BH6-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	4.9	--
BH7	6/2/2003	2	SE14M56203BH7-2	787	<5	792	0.2249	<.020	0.084	0.106	<.020	9.8	44.6
	6/2/2003	5	SE14M56203BH7-5	2760	1390	4150	35.166	<.020	17.200	17.926	<.020	1316	13.8
	6/2/2003	10	SE14M56203BH7-10	1160	<5	1165	0.385	<.020	0.182	0.203	<.020	60.1	--
	6/2/2003	15	SE14M56203BH7-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	6.5	--
	6/2/2003	20	SE14M56203BH7-20	<5	<5	10	<.020	<.020	<.020	<.020	<.020	0.4	--
BH8	6/2/2003	2	SE14M56203BH8-2	223	<5	228	<.020	<.020	<.020	<.020	<.020	1.4	--
	6/2/2003	5	SE14M56203BH8-5	302	<5	307	<.020	<.020	<.020	<.020	<.020	0.9	--
	6/2/2003	10	SE14M56203BH8-10	735	<5	740	<.020	<.020	<.020	<.020	<.020	0.7	--
	6/2/2003	15	SE14M56203BH8-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	0.4	--

Data collected by EPI, Inc.

Appendix C Analytical Reports

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#: 143612 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH1-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 07:30

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)	237	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	26.1	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	53.5	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	96.3	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	35	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	136	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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.

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	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH1-2'	**Report#/Lab ID#:** 143612 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	82.6	50-150	---
p-Terphenyl	8015 mod.	99.9	50-150	---
1,2-Dichloroethane-d4	8260b	107	65-115	---
Toluene-d8	8260b	120	50-120	---

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

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#: 143613 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH1-5'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 07:45

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)	7.98	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH1-5'	**Report#/Lab ID#:** 143613 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.9	50-150	---
p-Terphenyl	8015 mod.	101	50-150	---
1,2-Dichloroethane-d4	8260b	79.6	65-115	---
Toluene-d8	8260b	115	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143613 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH1-5'

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
m,p-Xylenes	J	See J-flag discussion above.

Notes: _____

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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#: 143614 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH1-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 08:20

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)	754	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	25.3	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	J	9.4	84.5	92.8	90.5

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH1-10'	**Report#/Lab ID#:** 143614 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83.1	50-150	---
p-Terphenyl	8015 mod.	94.4	50-150	---
1,2-Dichloroethane-d4	8260b	84.4	65-115	---
Toluene-d8	8260b	117	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143614 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH1-10'

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
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

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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#: 143615 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH1-20'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 09:50

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)	16.2	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH1-20'	**Report#/Lab ID#:** 143615 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.2	50-150	---
p-Terphenyl	8015 mod.	77.9	50-150	---
1,2-Dichloroethane-d4	8260b	84.5	65-115	---
Toluene-d8	8260b	107	50-120	---

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#: 143616 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 10:30

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)	26600	mg/Kg	500	<500	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	13200	mg/Kg	500	<500	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	6690	µg/Kg	5000	<5000	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	75800	µg/Kg	5000	<5000	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	155000	µg/Kg	5000	<5000	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	57600	µg/Kg	5000	<5000	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	68900	µg/Kg	5000	<5000	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH2-2'	**Report#/Lab ID#:** 143616 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	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#: 143616 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-2'

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.
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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.
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:

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Eunice NM 88231

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

Report#/Lab ID#: 143617 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-5'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 10:50

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)	512	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	5.59	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.5	101.5	94.6	100.4
m,p-Xylenes	37.9	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.5	103.3	95.2	105.8
Toluene	28.9	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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Respectfully Submitted,

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH2-5'	**Report#/Lab ID#:** 143617 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75.4	50-150	---
p-Terphenyl	8015 mod.	102	50-150	---
1,2-Dichloroethane-d4	8260b	78	65-115	---
Toluene-d8	8260b	104	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143617 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-5'

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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes: _____

ANALYSYS INC.

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

Report#/Lab ID#: 143618 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 11:20

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)	873	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	21.7	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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.

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	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH2-10'	**Report#/Lab ID#:** 143618 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	84.5	50-150	---
p-Terphenyl	8015 mod.	98.2	50-150	---
1,2-Dichloroethane-d4	8260b	71.3	65-115	---
Toluene-d8	8260b	97.5	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143618 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-10'

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
m,p-Xylenes	J	See J-flag discussion above.

Notes: _____

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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#: 143619 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH2-15'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **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)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH2-15'	**Report#/Lab ID#:** 143619 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83	50-150	---
p-Terphenyl	8015 mod.	63.3	50-150	---
1,2-Dichloroethane-d4	8260b	83.1	65-115	---
Toluene-d8	8260b	102	50-120	---

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#: 143620 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH3-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 01:20

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)	13400	mg/Kg	500	<500	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	7670	mg/Kg	500	<500	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	1920	µg/Kg	100	<100	06/10/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	50400	µg/Kg	5000	<5000	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	106000	µg/Kg	5000	<5000	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	39800	µg/Kg	5000	<5000	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	37800	µg/Kg	5000	<5000	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH3-2'	**Report#/Lab ID#:** 143620 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	114	65-115	---
Toluene-d8	8260b	112	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143620 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH3-2'

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-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	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.

Notes:

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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#: 143621 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH3-5'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 01:40

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH3-5'	**Report#/Lab ID#:** 143621 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	79.5	50-150	---
p-Terphenyl	8015 mod.	81.1	50-150	---
1,2-Dichloroethane-d4	8260b	81.1	65-115	---
Toluene-d8	8260b	99	50-120	---

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#: 143622 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH3-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 02:15

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	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH3-10'	**Report#/Lab ID#:** 143622 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	77.5	50-150	---
p-Terphenyl	8015 mod.	79.8	50-150	---
1,2-Dichloroethane-d4	8260b	83.9	65-115	---
Toluene-d8	8260b	101	50-120	---

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#: 143623 **Report Date:** 06/13/03
Project ID: 2003-00134 14 Main Line #5
Sample Name: SE14M553003BH3-15'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 05/30/2003 **Time:** 03:00

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 14 Main Line #5 **Sample Name:** SE14M553003BH3-15'	**Report#/Lab ID#:** 143623 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.9	50-150	---
p-Terphenyl	8015 mod.	82.8	50-150	---
1,2-Dichloroethane-d4	8260b	84.9	65-115	---
Toluene-d8	8260b	104	50-120	---

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

4300

Send Report To:
Company Name ENVIRONMENTAL PLUS
Address 2100 AVE O
City EUNICE State NM Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if different):
Company Name EOTT Energy
Address 5805 HWY 80
City Midland State TX Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 14 MAINLINE #5 Sampler: Bradley Blair

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
SE14M553003BH1-2	5-30-03	7:30	1	X			143612	X	X	
SE14M553003BH1-5	5-30-03	7:45	1	X			143613	X	X	
SE14M553003BH1-10	5-30-03	8:00	1	X			143614	X	X	
SE14M553003BH1-20	5-30-03	9:50	1	X			143615	X	X	
SE14M553003BH2-2	5-30-03	10:30	1	X			143616	X	X	
SE14M553003BH2-5	5-30-03	10:50	1	X			143617	X	X	
SE14M553003BH2-10	5-30-03	11:20	1	X			143618	X	X	
SE14M553003BH2-15	5-30-03	11:45	1	X			143619	X	X	
SE14M553003BH3-2	5-30-03	1:30	1	X			143620	X	X	
SE14M553003BH3-5	5-30-03	1:40	1	X			143621	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 reportin 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 ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T = 5.0 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Blair	ENVIRONMENTAL PLUS	5-30-03		Melanie Humphrey	ASI	6/6/03	10:30

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

Send Repor Co:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if differ t):
Company Name Eott Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 Sampler: Bradley Bl

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 418.1 / BTEX 8021b								Comments
SE14M553003BH3-10	5-30-03	2:15	1	X			143622	X	X							
SE14M553003BH3-15	5-30-03	3:00	1	X			143623	X	X							

Analyses Requested (1)
Please attach explanatory information as required

(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 = 5.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Bl	Environmental Plus	5-30-03		Melanie Humphrey	ASI	6/6/03	10:30

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

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

Report#/Lab ID#: 143624 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH4-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 07:50

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)	20400	mg/Kg	500	<500	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	11300	mg/Kg	500	<500	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	3560	µg/Kg	100	<100	06/10/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	69400	µg/Kg	5000	<5000	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	148000	µg/Kg	5000	<5000	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	56600	µg/Kg	5000	<5000	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	53200	µg/Kg	5000	<5000	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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.

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

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH4-2'	**Report#/Lab ID#:** 143624 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	111	65-115	---
Toluene-d8	8260b	109	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143624 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH4-2'

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-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	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.

Notes: _____

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

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

Report#/Lab ID#: 143625 **Report Date:** 06/16/03
Project ID: *2003-00134*
Sample Name: SE14M56203BH4-5
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 08:10

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	J	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH4-5	**Report#/Lab ID#:** 143625 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	81.3	50-150	---
p-Terphenyl	8015 mod.	89.3	50-150	---
1,2-Dichloroethane-d4	8260b	79.5	65-115	---
Toluene-d8	8260b	101	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143625 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH4-5

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
TPH by GC (as diesel)	J	See J-flag discussion above.

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#: 143626 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH4-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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

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	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH4-10'	**Report#/Lab ID#:** 143626 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	87.5	50-150	---
p-Terphenyl	8015 mod.	95.4	50-150	---
1,2-Dichloroethane-d4	8260b	87.6	65-115	---
Toluene-d8	8260b	104	50-120	---

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#: *143627* **Report Date:** *06/16/03*
Project ID: 2003-00134
Sample Name: SE14M56203BH4-15'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 09:00

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH4-15'	**Report#/Lab ID#:** 143627 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	81.9	50-150	---
p-Terphenyl	8015 mod.	86.4	50-150	---
1,2-Dichloroethane-d4	8260b	84.1	65-115	---
Toluene-d8	8260b	100	50-120	---

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

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

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

Report#/Lab ID#: 143628 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH5-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 09:15

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)	9760	mg/Kg	500	<500	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	6570	mg/Kg	500	<500	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	3470	µg/Kg	100	<100	06/10/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	50200	µg/Kg	5000	<5000	06/10/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	105000	µg/Kg	5000	<5000	06/10/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	38700	µg/Kg	5000	<5000	06/10/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	42100	µg/Kg	5000	<5000	06/10/03	8260b	---	9.4	84.5	92.8	90.5

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.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH5-2'	**Report#/Lab ID#:** 143628 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	111	65-115	---
Toluene-d8	8260b	115	50-120	---

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

Exceptions Report:

Report #/Lab ID#: *143628* ***Matrix:*** *soil*
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH5-2'

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-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.

Notes: _____

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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#: 143629 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH5-5'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 09:30

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH5-5'	**Report#/Lab ID#:** 143629 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	78.1	50-150	---
p-Terphenyl	8015 mod.	80.4	50-150	---
1,2-Dichloroethane-d4	8260b	81.1	65-115	---
Toluene-d8	8260b	100	50-120	---

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#: *143630* **Report Date:** *06/16/03*
Project ID: 2003-00134
Sample Name: SE14M56203BH5-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 10:00

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH5-10'	**Report#/Lab ID#:** 143630 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75.6	50-150	---
p-Terphenyl	8015 mod.	79.7	50-150	---
1,2-Dichloroethane-d4	8260b	82.1	65-115	---
Toluene-d8	8260b	99.6	50-120	---

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#: 143631 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH5-15'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 10:20

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	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	---	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	---	9.4	84.5	92.8	90.5

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH5-15'	**Report#/Lab ID#:** 143631 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.7	50-150	---
p-Terphenyl	8015 mod.	86.3	50-150	---
1,2-Dichloroethane-d4	8260b	81.6	65-115	---
Toluene-d8	8260b	99.3	50-120	---

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#: 143632 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH6-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 11:30

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)	10900	mg/Kg	500	<500	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	7330	mg/Kg	500	<500	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/11/03	8260b	---	---	---	---	---
Benzene	3170	µg/Kg	100	<100	06/11/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	51600	µg/Kg	5000	<5000	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	101000	µg/Kg	5000	<5000	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	36700	µg/Kg	5000	<5000	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	43200	µg/Kg	5000	<5000	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH6-2'	**Report#/Lab ID#:** 143632 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	110	65-115	---
Toluene-d8	8260b	104	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143632 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH6-2'

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-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.

Notes:

ANALYSYS INC

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
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Eunice NM 88231

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

Report#/Lab ID#: 143633 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH6-5
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 11:50

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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.

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Richard Laster

Richard Laster

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH6-5	**Report#/Lab ID#:** 143633 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	81.5	50-150	---
p-Terphenyl	8015 mod.	84.6	50-150	---
1,2-Dichloroethane-d4	8260b	83	65-115	---
Toluene-d8	8260b	99.3	50-120	---

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#: 143634 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH6-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 13:00

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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.

ANALYSYS INC

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH6-10'	**Report#/Lab ID#:** 143634 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83.7	50-150	---
p-Terphenyl	8015 mod.	90.4	50-150	---
1,2-Dichloroethane-d4	8260b	79.5	65-115	---
Toluene-d8	8260b	100	50-120	---

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#: 143635 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH6-15
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 13:30

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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.

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Richard Laster

Richard Laster

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH6-15	**Report#/Lab ID#:** 143635 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	82	50-150	---
p-Terphenyl	8015 mod.	86.4	50-150	---
1,2-Dichloroethane-d4	8260b	79.9	65-115	---
Toluene-d8	8260b	101	50-120	---

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#: 143636 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH7-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 13:40

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)	787	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	83.7	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	109	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	J	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH7-2'	**Report#/Lab ID#:** 143636 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.3	50-150	---
p-Terphenyl	8015 mod.	90.8	50-150	---
1,2-Dichloroethane-d4	8260b	81.4	65-115	---
Toluene-d8	8260b	115	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143636 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH7-2'

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
Toluene	J	See J-flag discussion above.

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#: 143637 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH7-5'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **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)	2760	mg/Kg	50	<50	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	1390	mg/Kg	50	<50	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/11/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/11/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	17200	µg/Kg	100	<100	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	17900	µg/Kg	100	<100	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	25.9	µg/Kg	20	<20	06/11/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/11/03	8260b	J	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH7-5'	**Report#/Lab ID#:** 143637 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	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	95	65-115	---
Toluene-d8	8260b	104	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143637 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH7-5'

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
Toluene	J	See J-flag discussion above.
1-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	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.

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#: 143638 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH7-10
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 14:10

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)	1160	mg/Kg	10	<10	06/13/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	182	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	203	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
MTBE	<100	µg/Kg	100	<100	06/10/03	8260b	---	11.5	88.9	110.1	92.3
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH7-10	**Report#/Lab ID#:** 143638 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	86.8	50-150	---
p-Terphenyl	8015 mod.	none/diluted	diluted @ 1X	D
1,2-Dichloroethane-d4	8260b	73.5	65-115	---
Toluene-d8	8260b	96.1	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143638 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH7-10

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

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☐ Sample received in appropriate container(s). State of sample preservation unknown.
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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
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.

Notes: _____

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#: 143639 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH7-15
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 14:25

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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.

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	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH7-15	**Report#/Lab ID#:** 143639 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	79.7	50-150	---
p-Terphenyl	8015 mod.	86.4	50-150	---
1,2-Dichloroethane-d4	8260b	84.9	65-115	---
Toluene-d8	8260b	98	50-120	---

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#: 143640 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH7-20
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 14:40

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH7-20	**Report#/Lab ID#:** 143640 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	74.4	50-150	---
p-Terphenyl	8015 mod.	80.6	50-150	---
1,2-Dichloroethane-d4	8260b	90	65-115	---
Toluene-d8	8260b	105	50-120	---

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#: 143641 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH8-2'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 14:55

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)	223	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	J	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	J	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	J	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH8-2'	**Report#/Lab ID#:** 143641 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	85.6	50-150	---
p-Terphenyl	8015 mod.	91.7	50-150	---
1,2-Dichloroethane-d4	8260b	87.7	65-115	---
Toluene-d8	8260b	107	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143641 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH8-2'

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
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes: _____

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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#: 143642 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH8-5'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **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)	302	mg/Kg	25	<25	06/13/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH8-5'	**Report#/Lab ID#:** 143642 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	77.6	50-150	---
p-Terphenyl	8015 mod.	none/diluted	diluted @ 2.5X	D
1,2-Dichloroethane-d4	8260b	82.3	65-115	---
Toluene-d8	8260b	105	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143642 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH8-5'

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.
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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
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.

Notes: _____

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

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

Report#/Lab ID#: 143643 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH8-10'
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 15:20

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)	735	mg/Kg	10	<10	06/13/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH8-10'	**Report#/Lab ID#:** 143643 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.8	50-150	---
p-Terphenyl	8015 mod.	none/diluted	diluted @ 1X	D
1,2-Dichloroethane-d4	8260b	82.3	65-115	---
Toluene-d8	8260b	102	50-120	---

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

Exceptions Report:

Report #/Lab ID#: 143643 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00134
Sample Name: SE14M56203BH8-10'

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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
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.

Notes: _____

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
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Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143644 **Report Date:** 06/16/03
Project ID: 2003-00134
Sample Name: SE14M56203BH8-15
Sample Matrix: soil
Date Received: 06/06/2003 **Time:** 10:30
Date Sampled: 06/02/2003 **Time:** 15:40

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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX	---		---		06/10/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b	---	1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b	---	11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b	---	0.1	88.6	92.8	87.2

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.

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	**Project ID:** 2003-00134 **Sample Name:** SE14M56203BH8-15	**Report#/Lab ID#:** 143644 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	89.2	50-150	---
p-Terphenyl	8015 mod.	96.9	50-150	---
1,2-Dichloroethane-d4	8260b	83	65-115	---
Toluene-d8	8260b	99.3	50-120	---

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

100

6301

Send Report to:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if different):
Company Name Eott Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 Sampler: Bradley Blair

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
SE14M56203BH4-2'	6-2-03	7:50	1	X			143624	X	X	
SE14M56203BH4-5	6-2-03	8:10	1	X			143625	X	X	
SE14M56203BH4-10'	6-2-03	8:40	1	X			143626	X	X	
SE14M56203BH4-15'	6-2-03	9:00	1	X			143627	X	X	
SE14M56203BH5-2'	6-2-03	9:15	1	X			143628	X	X	
SE14M56203BH5-5'	6-2-03	9:30	1	X			143629	X	X	
SE14M56203BH5-10'	6-2-03	10:00	1	X			143630	X	X	
SE14M56203BH5-15'	6-2-03	10:20	1	X			143631	X	X	
SE14M56203BH6-2'	6-2-03	11:30	1	X			143632	X	X	
SE14M56203BH6-5	6-2-03	11:50	1	X			143633	X	X	

Analyses Requested (1)
Please attach explanatory information as required

(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 = 5.0 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Blair	Environmental Plus	6-2-03		Melanie Humphrey	ASI	6/6/03	10:30

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

Send Repor 'o:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if differ):
Company Name Eott Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-658-3799 Fax

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 Sampler: Bradley Bl

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 8015M							Comments
SE14M56203BH6-10'	6-2-03	1:00	1	X			143634	X	X							
SE14M56203BH6-15	6-2-03	1:30	1	X			143635	X	X							
SE14M56203BH7-2'	6-2-03	1:40	1	X			143636	X	X							
SE14M56203BH7-5'	6-2-03	1:55	1	X			143637	X	X							
SE14M56203BH7-10	6-2-03	2:10	1	X			143638	X	X							
SE14M56203BH7-15	6-2-03	2:25	1	X			143639	X	X							
SE14M56203BH7-20	6-2-03	2:40	1	X			143640	X	X							
SE14M56203BH8-2'	6-2-03	2:55	1	X			143641	X	X							
SE14M56203BH8-5	6-2-03	3:05	1	X			143642	X	X							
SE14M56203BH8-10'	6-2-03	3:20	1	X			143643	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 c ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.0°c

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Bl	Environmental Plus	6-2-03		Melanie Humphrey	ASI	6/6/03	10:30

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

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

Bill to (if different):
Company Name Scott Energy
Address 5805 Hwy 80.
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 Sampler: Bradley Bl

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

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	TPH 8015M	Comments
SE1/4M56203BH8-15	6-2-03	3:40	1	X			143644	X	X	

Analyses Requested (1)
Please attach explanatory information as required

(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 = 5.0°c

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Bl	Environmental Plus	6-2-03		Melanie Humphrey	ASI	6/4/03	10:30

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

Appendix D Regulatory Information

New Mexico Office of State Engineer Water Well Report

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 2

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○Non-Domestic ○Domestic ◉All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

WATER COLUMN REPORT 06/20/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
CP 00929 EXPLORE	22S	37E	02	3	3	3				1100		

Record Count: 1

Appendix E C-141 Release Notification

ENVIRONMENTAL PLUS, INC. Micro-Blaze™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

May 27, 2003

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French
Hobbs, New Mexico 88240

Subject: EOTT Energy LLC Initial C-141

Re: Vacuum to Jal 14" Mainline #5, 2003-00134
UL A, NE¼ of the NE¼ of Section 2 T22S R37E
Latitude 32 25' 39.006"N and Longitude 103 07' 43.155"W

Dear Mr. Johnson,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, EOTT Energy LLC, submits the attached New Mexico Oil Conservation Division (NMOCD) form C-141 for the above referenced leak site located on land owned by the Greg Holt, approximately ~2 miles southeast of Eunice, New Mexico . The New Mexico Tech Geo-Information Database records water wells in the area with a water level of 59.78'bgs. The attached site information and metrics form ranks the site in accordance with the **"NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)."**

EOTT will implement the New Mexico Oil Conservation Division (NMOCD) approved **"General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000"** and develop and submit a site specific remediation plan for NMOCD approval to address issues identified during delineation of the vertical and horizontal extents of contamination of the Constituents of Concern (CoCs), i.e., Total Petroleum Hydrocarbon EPA method 8015m (TPH^{8015m}), Benzene, and BTEX, i.e., the mass sum of Benzene, Toluene, Ethyl Benzene, and Xylenes. The contaminated soil is not exempted from RCRA 40 CFR Part 261 and will be characterized accordingly.

If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively or Mr. Frank Hernandez at 713.253.7006. All official communication should be addressed to:

P.O. BOX 1558 ••• 2100 WEST AVE. O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3681 FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

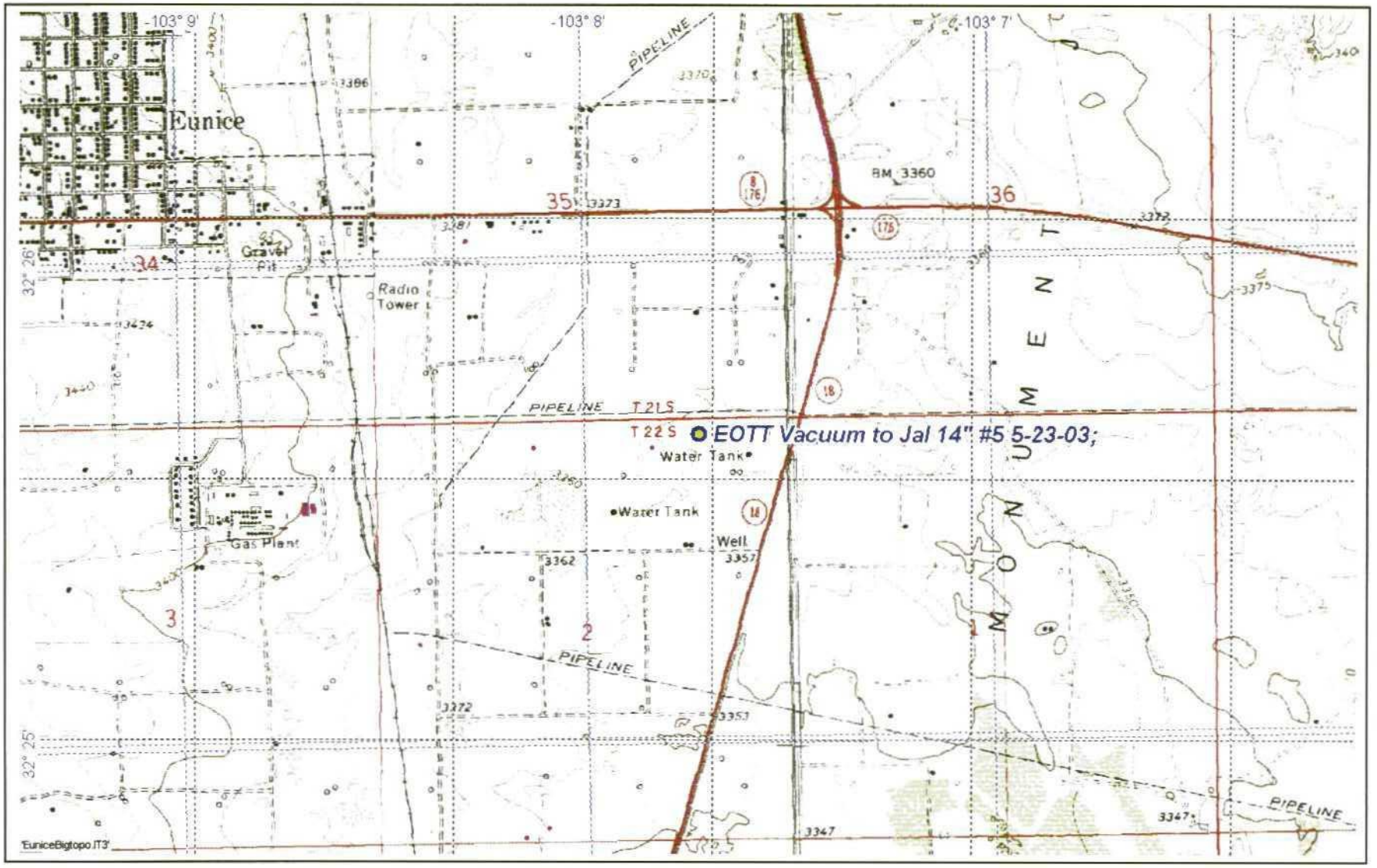
Mr. Frank Hernandez
EOTT Energy LLC
PO Box 1660
5805 East Highway 80
Midland, Texas 79702

Sincerely,

Pat McCasland
EPI Technical Services Manager

cc: Frank Hernandez, EOTT Energy LLC, w/enclosure
William Von Drehle, EOTT Energy LLC, w/enclosure
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President
File

ENVIRONMENTAL PLUS, INC.


-103° 9'
-103° 8'
-103° 7'
32° 26'
32° 25'
Eunice
PIPELINE
BM 3360
35
36
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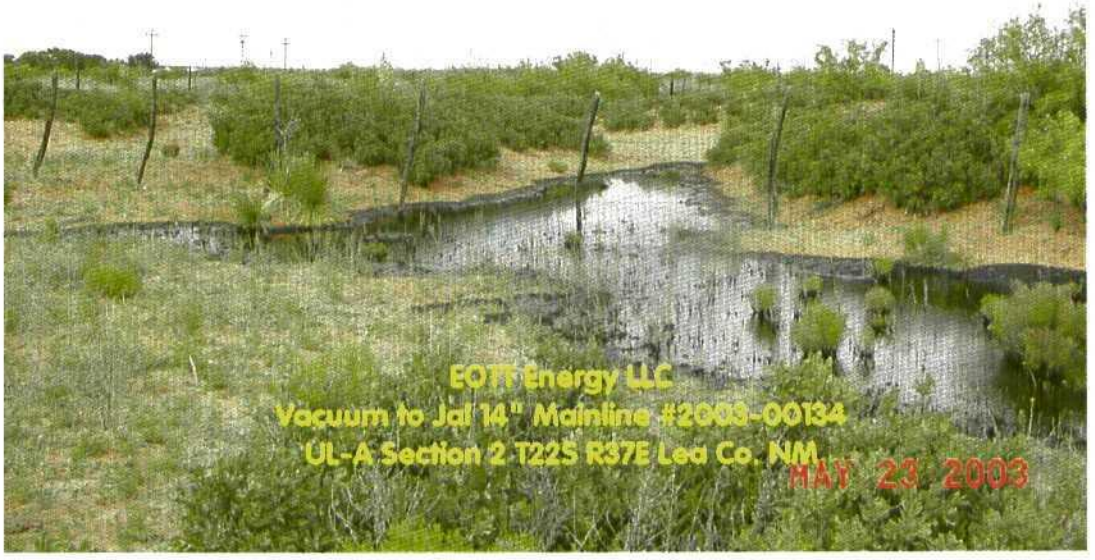
3
2
Gravel Pit
Radio Tower
Gas Plant
Water Tank
Water Tank
Well
T 21 S
T 22 S
EOTT Vacuum to Jal 14" #5 5-23-03;
MONUMENT
PIPELINE
PIPELINE
PIPELINE
3386
3373
3372
3375
3362
3357
3353
3347
'EuniceBigtopo.IT3'


MAY 23 2003


EOTT Energy LLC
Vacuum to Jal 14" Mainline #2003-00134
UL-A Section 2 T22S R37E Lea Co. NM
MAY 23 2003

2100 West Ave. O
P.O. Box 1558
Eunice, New Mexico 88231
TEL: 505.394.3481
FAX: 505.394.2601

ENVIRONMENTAL PLUS, INC.

Fax

Micro-Blaze

To:	Larry Johnson / NMOCD	**From:**	Pat McCasland
Fax:	505.393.0720	**Pages:**	
Phone:	505.393.6161	**Date:**	2003-05-27 00:00:00
Re:	C-138 Transmittal: EOTT Energy LLC Vacuum to Jal 14" Mainline #5 2003-00134	**CC:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Buddy Hill submit to Larry Johnson,

Attached herewith is the C-138 and supporting documentation for receipt of "non-exempt" crude oil contaminated soil into the EPI landfarm. The original will be completed and forwarded to you when the project is completed.

Sincerely,

Pat McCasland

Pat McCasland EPI

ENVIRONMENTAL PLUS, INC.

Land Farm
PERMIT # NM-01-0013

CERTIFICATE OF WASTE STATUS

"NON - EXEMPT WASTE"

COMPANY EOTT ENERGY LLC

ORIGIN UL-A NE¼ OF THE NE¼ OF SECTION 2
TOWNSHIP: T22S RANGE:R37E

SOURCE DESCRIPTION (PIPELINE, LEASE, BATTERY, FLOWLINE, ETC.)

14" STEEL PIPELINE VACUUM TO JAL 14" MAINLINE #5 2003-00134

AS A CONDITION OF ACCEPTANCE FOR DISPOSAL, I HEREBY CERTIFY THAT THIS WASTE IS A **NON-EXEMPT** WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) JULY 1988 REGULATORY DETERMINATION AND TO MY KNOWLEDGE, THIS WASTE BEEN CHARACTERIZED AS "NON-HAZARDOUS" PURSUANT TO THE PROVISIONS OF EPA 40 CFR PART 261 SUBPART C AND HAS NOT BEEN COMINGLED WITH AN EPA 40 CFR PART 261 SUBPART D "LISTED WASTE." LIKEWISE, THIS WASTE DOES NOT CONTAIN NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM) PURUSANT TO 20 NMAC 3.1 SUBPART 1403 AND CONTAINS NO FREE LIQUID PURSUANT TO THE "PAINT FILTER TEST" EPA METHOD 9095A.

NORM EXPOSURE RATE: 10-13 µR/HR

I, FRANK HERNANDEZ, THE UNDERSIGNED AGENT FOR, EOTT ENERGY LLC, HEREBY CERTIFY THAT, BASED ON PERSONAL KNOWLEDGE, THE ABOVE STATEMENT IS TRUE AND CORRECT.

NAME FRANK HERNANDEZ
TITLE DISTRICT ENVIRONMENTAL SUPERVISOR
ADDRESS 5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79702

SIGNATURE
DATE 2003-05-27 00:00:00

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

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator **EOTT Energy LLC** 5. Originating Site **Vacuum to Jal 14" Mainline #5 2003-00134**
2. Management Facility Destination: Environmental Plus, Inc. #NM-01-0013	6. Transporter Environmental Plus, Inc.
3. Address of Facility Operator: Environmental Plus, Inc.	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	**UL A, NE¼ of the NE¼ of Section 2 T22S R37E**

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Crude Oil Contaminated Soil

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Pat McCasland TITLE: Technical Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Pat McCasland TELEPHONE NO. 505.394.3481

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

Distribution

Larry Johnson
Environmental Engineer
1625 North French Drive
Hobbs, New Mexico 88240
505-393-6161 ext 111
lwjohnson@state.nm.us

Jeffrey Dann, PG
Senior Environmental Specialist
Plains Marketing, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002
713-646-4100
jpdann@paalp.com

Camille Reynolds
Remediation Coordinator
Plains All American
214 West C61
Hobbs, New Mexico 88240
505-393-5611
cjreynolds@paalp

Will Murley, PG
Senior Geologist
Premier Environmental Services, Inc.
30 West Industrial Loop, Suite I
Midland, Texas 79701
wmurley@premiercorp-usa.com

Chan Patel
Senior Project Manager
Premier Environmental Services, Inc.
4800 Sugar Grove Blvd, Suite 420
Stafford, Texas 77477
281-240-5201
cpatel@premiercorp-usa.com

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 **EOTT Energy LLC**	Contact **Frank Hernandez**
Address **PO Box 1660 5805 East Highway 80 Midland, Texas 79702**	Telephone No. **713.253.7006**
Facility Name **Vacuum to Jal 14" Mainline #5**	Facility Type **14" Steel Pipeline**

Surface Owner **Greg Holt**	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	
2	**2**	**T22S**	**R37E**					County: Lea **Lat. 32 25' 39.006"N** **Lon. 103 07' 43.155"W**

NATURE OF RELEASE

BAD ESTIMATE WAS TOO LOW

Type of Release **Crude Oil**	Volume of Release **20 bbls barrels** 7	Volume Recovered **5 bbls barrels**
Source of Release **14" Steel Pipeline**	Date and Hour of Occurrence **5-23-03 @ 3:00 PM**	Date and Hour of Discovery **4:00 PM @ 5-23-03**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Buddy Hill**	
By Whom? **Pat McCasland, EPI**	Date and Hour **5-23-03 @ 8:00 PM**	
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.*
14" Steel Pipeline. The cause was either internal or external corrosion. The line was being pressure tested at the time of the occurrence. The line was depressured and a line repair clamp installed. Contaminated soil placed on a plastic barrier.

Describe Area Affected and Cleanup Action Taken.*
~200' x 100' 8,730 sqft ***Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be disposed of or remediated on site. Remedial Goals: TPH 8015m = 1000 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.***

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 Approved by District Supervisor:
Printed Name: Frank Hernandez	
Title: District Environmental Supervisor	Approval Date: / Expiration Date:
Date: May 27, 2003 Phone: 713.253.7006	Conditions of Approval: / Attached ☐

* Attach Additional Sheets If Necessary

eott energy

EOTT Energy LLC Site Information and Metrics	Incident Date: **5-23-03 @ 3:00 PM**	NMOCD Notified: 5-23-03 @ 8:00 PM

SITE: Vacuum to Jal 14" Mainline #5	Assigned Site Reference #: 2003-00134
Company: EOTT Energy LLC	
Street Address: PO Box 1660	
Mailing Address: 5805 East Highway 80	
City, State, Zip: Midland, Texas 79702	
Representative: Frank Hernandez	
Representative Telephone: 713.253.7006	
Telephone:	
Fluid volume released (bbls): 20 bbls	Recovered (bbls): 5 bbls
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Vacuum to Jal 14" Mainline #5	
Source of contamination: 14" Steel Pipeline	
Land Owner, i.e., BLM, ST, Fee, Other: Greg Holt	
LSP Dimensions ~200' x 100'	
LSP Area: 8,730 sqft ft^2	
Location of Reference Point (RP)	
Location distance and direction from RP	
Latitude: 32 25' 39.006"N	
Longitude: 103 07' 43.155"W	
Elevation above mean sea level: 3,370'amsl	
Feet from South Section Line	
Feet from West Section Line	
Location- Unit or ¼¼: NE¼ of the NE¼	Unit Letter: A
Location- Section: 2	
Location- Township: T22S	
Location- Range: R37E	
Surface water body within 1000 ' radius of site: none	
Domestic water wells within 1000' radius of site: none	
Domestic water wells within 1000' radius of site:	
Agricultural water wells within 1000' radius of site: none	
Agricultural water wells within 1000' radius of site:	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to ground water (DG) Average 59.78'bgs New Mexico Tech Geoinformation Database	
Depth of contamination (DC) – ?	
Depth to ground water (DG – DC = DtGW) - ?	

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score = 10	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*
Site Rank (1+2+3) = 10		

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19	10-19	0-9
Benzene[1]	10 ppm	10 ppm	10 ppm
BTEX[1]	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis