CLOSURE PROPOSAL

C-23-10 LINE SITE #10 RELEASE SITE

NMOCD 1RP # 422
COMPANY NO. 36785
DEFS REF: 130044-10

UL-A (NE¼ OF THE NE¼) OF SECTION 14 T20S R35E

~18 MILES SOUTHWEST OF HOBBS,

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 34' 39.03" LONGITUDE: W 103° 25' 31.23"

NOVEMBER 2006

PREPARED BY:

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

PREPARED FOR:

Duke Energy Field Services

RP#422

pPAC0603741819

Distribution List

Duke Energy Field Services – C-23-10 Line Site #10 Release Site

NMOCD 1RP #422; DEFS/EPI Ref: 130044-10

Name	Title	Company or Agency	Mailing Address	e-mail
Larry Johnson	Environmental Engineer	NMOCD – Hobbs	1625 N. French Drive Hobbs, NM 88240	larry.johnson@state.nm.us
Lynn Ward	Environmental Specialist – Western Division	Duke Energy Field Services, LP	10 Desta Drive, Suite 400-W Midland, TX 79705	lcward@duke-energy.com
Steve Weathers	Senior Environmental Specialist	Duke Energy Field Services, LP	370 17th Street, Suite 900 Denver, CO 80202	swweathers@duke-energy.com
Patrick Sims	Landowner	- -	P.O. Box 1046 Eunice, NM 88231	--
File	- -	Environmental Plus, Inc.	P.O. Box 1558 Eunice, NM 88231	jstegemoller@envplus.net

STANDARD OF CARE

Closure Proposal

C-23-10 Line Site #10

(NMOCD 1RP#422; DEFS/EPI Ref. #130044-10)

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

Prepared by:

Jason Stegemoller

Jason Stegemoller, M.S.
Environmental Scientist

November 21, 2006
Date

Reviewed by:

David S. Duncan

David Duncan
Civil Engineer

11-21-06
Date

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1.0 PROJECT SYNOPSIS

Site Specific:

- ***Company Name:*** Duke Energy Field Services
- ***Facility Name:*** C-23-10 Line Site #10
- ***Project Reference:*** NMOCD 1RP#422; EPI Ref. #130044-10
- ***Company Contacts:*** Steven Weathers
- ***Site Location:*** WGS84 N32° 34' 39.03"; W103° 25' 31.23"
- ***Legal Description:*** Unit Letter-A, (NE¼ of the NE¼), Section 14, T 20 S, R 35 E
- ***General Description:*** Approximately 18-miles Southwest of Hobbs, New Mexico
- ***Elevation:*** 3,664-ft amsl
- ***Land Ownership:*** Patrick Sims
- ***EPI Personnel:*** Project Consultant – Jason Stegemoller
  Project Foreman – David Robinson

Release Specific:

- ***Product Released:*** Natural Gas and Natural Gas Liquids (NGL)
- ***Volume Released:*** Unknown ***Volume Recovered:*** None
- ***Time of Occurrence:*** Unknown ***Time of Discovery:*** January 13, 2006
- ***Release Source:*** Steel natural gas pipeline
- ***Initial Surface Area Affected:*** ~ 1,000 square feet

Remediation Specific:

- ***Final Vertical extent of contamination:*** 23-feet bgs at maximum depth
- ***Depth to Ground Water:*** ~50-ft bgs
- ***Water wells within 1,000-ft:*** None
- ***Private domestic water sources within 200-ft:*** None
- ***Surface water bodies within 1,000-ft:*** None
- ***NMOCD Site Ranking Index:*** 10 points
- ***Remedial goals for Soil:*** TPH – 1,000 mg/Kg; BTEX – 50 mg/Kg; Benzene – 10 mg/Kg; Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 mg/L and 600 mg/L, respectively.
- ***RCRA Waste Classification:*** Exempt
- ***Remediation Option Selected:*** a) Excavate contaminated soil above NMOCD remedial goals in floor, sidewalls and stockpile on site; b) laboratory analyses to confirm removal of soil impacted above NMOCD remedial thresholds in excavation sidewalls and floor; c) shred/aerate a portion of the least impacted excavated soil; d) transport remaining excavated soil to a state approved landfarm for treatment; d) backfill the excavation with shredded soil and clean topsoil.
- ***Disposal Facility:*** South Monument Landfarm, Monument, New Mexico
- ***Volume disposed:*** Not applicable
- ***Project Completion Date:*** Ongoing

2.0 SITE AND RELEASE INFORMATION

2.1 Describe the land use and pertinent geographic features within 1,000 feet of the site.
In addition to oilfield activities, land surrounding the area is rangeland utilized for livestock grazing.

2.2 Identify and describe the source or suspected source(s) of the release.
Corrosion of steel natural gas pipeline.

2.3 What is the volume of the release? (if known): Unknown ***barrels of*** natural gas and natural gas liquids

2.4 What is the volume recovered? (if any) 0 ***barrels***

2.5 When did the release occur? (if known): Unknown

2.6 Geological Description
The United States Geological Survey (USGS) Ground-Water Report 6, *"Geology and Ground-water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961*, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments (i.e., fine to medium sand) with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil."

The release site is located in the Laguna Valley physiographic subdivision, described by Nicholson & Clebsch as an area that "covered almost entirely by dune sand which is stable or semi-stable over most of the area, but which locally drifts. The thickness of the sand cover ranges from a few inches to a probable maximum of 20 feet"

2.7 Ecological Description
The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of sandy soil covered with short semi-arid grasses, interspersed with Honey Mesquite and forbs. Mammals represented include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians and birds are numerous and typical of the area. A survey of Listed, Threatened or Endangered species was not conducted.

2.8 Area Groundwater
The unconfined groundwater aquifer at this site is projected to be ~50 feet (ft) bgs based on water depth data obtained from the New Mexico State Engineers Office and the United States Geological Survey data base (reference *Table 1*).

2.9 Area Water Wells
No public water supply wells are located within 1,000-feet of the release site. In addition, no private domestic fresh water wells or springs used by less than five households for domestic or stock watering purposes exist within 200-feet of the release site (reference *Table 1* and *Figure 2*).

2.10 Area Surface Water Features
No surface water features exist within 1,000 feet of the release site (reference *Figure 2*).

3.0 NMOCD SITE RANKING

Contaminant delineation and remedial work done at this site indicate chemical parameters of the soil and physical parameters of the groundwater were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- ***Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)***
- ***Unlined Surface Impoundment Closure Guidelines (February, 1993)***
- ***Pit and Below-Grade Tank Guidelines (November, 2004)***

Acceptable thresholds for contaminants/constituents of concern (CoC) were determined based on the NMOCD Ranking Criteria as follows:

- *Depth to Groundwater (i.e., distance from the lower most acceptable concentration to ground-water);*
- *Wellhead Protection Area (i.e., distance from fresh water supply wells);*
- *Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).*

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is ten (10) points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. GROUNDWATER	2. WELLHEAD PROTECTION AREA	3. DISTANCE TO SURFACE WATER
Depth to GW <50 feet: **20 points**	If <1,000' from water source, or <200' from private domestic water source: ***20 points***	<200 horizontal feet: ***0 points***
Depth to GW 50 to 99 feet: ***10 points***		200-1,000 horizontal feet: ***10 points***
Depth to GW >100 feet: **0 points**	If >1,000' from water source, or >200' from private domestic water source: ***0 points***	>1,000 horizontal feet: ***0 points***
Site Rank (1+2+3) = 10 + 0 + 0 = **10 points**		

Total Site Ranking Score and Acceptable Remedial Goal 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**	**1,000 ppm**	**5,000 ppm**

[1] A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.

4.0 EXCAVATED SOIL INFORMATION

4.1 ***Was soil excavated for off-site treatment or disposal?*** ☒ ***Yes*** ☐ ***No***

Date excavated: March 27, 2006 through June 19, 2006

Total volume removed: Approximately 2,260 cubic yards of impacted soil were excavated and stockpiled on site. Approximately 1,380 cubic yards of stockpiled soil were shredded/aerated. The remaining soil, approximately 880 cubic yards of the most impacted soil will be transported to South Monument Landfarm for treatment.

4.2 ***Indicated soil treatment type:***

☐ ***Disposal***
☒ ***Land Treatement***
☐ ***Composting/Biopiling***
☒ ***Other*** (shredding)

Name and location of treatment/~~disposal~~ facility:
South Monument Landfarm – Located near Monument, New Mexico

5.0 SAMPLING INFORMATION

5.1 Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.

Organic Vapor Concentrations – A portion of each soil sample collected was inserted into a self-sealing polyethylene bag to allow volatilization of organic vapors. After the samples equilibrated to ~70º F, they were analyzed for organic vapors utilizing a MiniRae® Photoionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp and calibrated for benzene response.

Chloride Concentrations – A LaMotte Chloride Test Kit was utilized for field analyses of chloride concentration.

5.2 Briefly describe the soil analytical sampling and handling procedures used.

Soil samples from the excavation were collected utilizing hand and/or mechanical excavation equipment to gather the sample from at least 6-inches below/within the surface of the excavation.

Upon collection of each sample, a portion was immediately placed in a laboratory provided container, labeled and set on ice for transport to an independent laboratory for quantification of total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene and total xylenes (BTEX); chloride and sulfate concentrations. The remaining portion of each sample was placed in a polyethylene bag for field organic vapor concentration and chloride concentration analyses.

5.3 Discuss sample locations and provide rationale for their locations.

On March 30, 2006, soil samples were collected in three locations from the excavation floor, twelve locations from the excavation sidewalls and three locations in the stockpiled soil. Soil sample locations were chosen to provide the best representative example of soil within the excavation floor, sidewalls and stockpile (reference *Figure 4*).

On June 19, 2006, soil samples were collected in four locations from the excavation floor and sidewalls after increasing the excavation depth an additional 8 to 11 feet below the existing excavation floor. Soil sample locations were chosen to provide the best representative example of soil from within the excavation floor and sidewalls (reference *Figure 4*).

On September 12, 2006, soil samples were collected in four locations from the shredded/aerated soil stockpile. Soil sample locations were chosen to provide the best representative example of soil within the stockpile.

6.0 ANALYTICAL RESULTS

6.1 Describe the vertical and horizontal extent and magnitude of soil contamination.

Laboratory analyses of soil samples collected on March 30, 2006 from the excavation sidewalls indicated BTEX constituent concentrations were non-detectable (ND) at or above laboratory method detection limits (MDL). TPH concentrations ranged from ND to 15.7 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. Chloride concentrations ranged from 9.68 mg/Kg to 109 mg/Kg. Sulfate concentrations ranged from 12.5 mg/Kg to 25.0 mg/Kg. Laboratory analyses of samples collected from the excavation floor at 12-ft bgs indicated BTEX concentrations were ND at or above laboratory MDL. TPH concentrations ranged from 34.0 mg/Kg to 36.4 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. Chloride concentrations ranged from 23.4 to 694 mg/Kg. Sulfate concentrations ranged from 12.5 mg/Kg to 25.0 mg/Kg (reference *Table 2* and *Figure 4*).

After excavating an additional 8 to 11-feet from the existing excavation floor, three soil samples were collected on June 19, 2006 at depths ranging from 20 to23-ft bgs. Additional sidewall soil samples were collected below the previous sidewall samples at depths ranging from 12 to 18-ft bgs. As previous soil sample analyses indicated TPH, BTEX constituent and sulfate concentrations were low to ND, soil samples were submitted for chloride concentration analyses. Chloride concentrations ranged from 2.25 mg/Kg to 109 mg/Kg (reference *Table 2* and *Figure 4*).

Laboratory analyses of soil samples collected on September 12, 2006 from the shredded/aerated stockpiled soil indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL. Reported chloride concentrations ranged from 16.0 mg/Kg to 304 mg/Kg. Sulfate concentrations were reported to range from non-detectable to 115 mg/Kg (reference *Table 3*).

6.2 Is surface soil contamination present at the site (i.e., soil in the uppermost two feet that is visibly stained, contaminated at greater than 10 ppm (PID) or hydrocarbon saturated)?

☐ *yes* ☒ *no*

If yes, attach a site map identifying extent(s) of surface soil contamination.

Visibly stained soil has been excavated. Approximately 880 cubic yards of impacted soil and 1,280 cubic yards of shredded/aerated soil remain stockpiled adjacent to the excavation.

7.0 DISCUSSION

7.1 ***Discuss the risks associated with the remaining soil contamination:***

Soil impacted above NMOCD remedial thresholds has been excavated from the sidewalls and floor. Laboratory analyses of soil samples collected from the excavation sidewalls and floor indicated TPH and BTEX constituent concentrations were below each analytes' respective NMOCD remedial threshold. Additionally, laboratory analyses indicated chloride and sulfate concentrations were below each analytes' respective remedial threshold/goal.

7.2 ***Discuss the risks associated with the impacted groundwater:*** Not Applicable

7.3 ***Discuss other concerns not mentioned above:*** Not Applicable

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 ***Recommendation for the site:***

- ☒ ***Site Closure***
- ☐ ***Additional Groundwater Monitoring***
- ☐ ***Corrective Action***

8.2 ***Base the recommendation above on Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993). Describe below how you applied the policy to support your recommendation. If closure is recommended, please summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.***

Approximately 2,260 cubic yards of hydrocarbon impacted soil were excavated from a surface area of approximately 3,560 square feet to a maximum depth of 23-ft bgs. Approximately 1,380 cubic yards of impacted soil were shredded/aerated and stockpiled adjacent to the excavation. The remaining soil, approximately 880 cubic yards of the most impacted soil, will be transported to South Monument Landfarm for treatment

Laboratory analytical results of soil samples collected by EPI personnel from the excavation sidewalls and floor indicate TPH and BTEX constituents concentrations were below each analytes' respective NMOCD remedial threshold. Chloride and sulfate residuals were below the remedial goals of 250 mg/Kg and 600 mg/Kg, respectively. Laboratory analytical results of soil samples collected from the shredded/aerated soil indicate TPH and BTEX constituent concentrations were non-detectable at or above laboratory MDL. Chloride concentrations ranged from 16.0 to 304 mg/Kg and sulfate concentrations ranged from ND to 115 mg/Kg.

8.3 ***If additional groundwater monitoring is recommended, indicate the proposed monitoring schedule and frequency. Conduct quarterly monitoring until the NMOCD responds to this report.*** Not Applicable

8.4 ***If corrective action is recommended, provide a conceptual approach.***

Based on laboratory analyses, soil impacted above NMOCD remedial thresholds have been removed from the excavation sidewalls and floor.

Environmental Plus, Inc., on behalf of Duke Energy Field Services, recommends the following:

1) Backfill the excavation with clean soil obtained from the landowner and shredded/aerated soil (currently stockpiled on site).

2) Transport remaining impacted (i.e., non-shredded) soil to South Monument Landfarm for treatment.

3) Grade and contour the site to allow natural drainage.

4) Seed the area with a seed mixture approved by the landowner.

Closure activities will commence upon NMOCD approval of this *Closure Proposal*. A *Closure Report* documenting remediation activities will be submitted to the NMOCD upon completion of closure activities at this site.

FIGURES

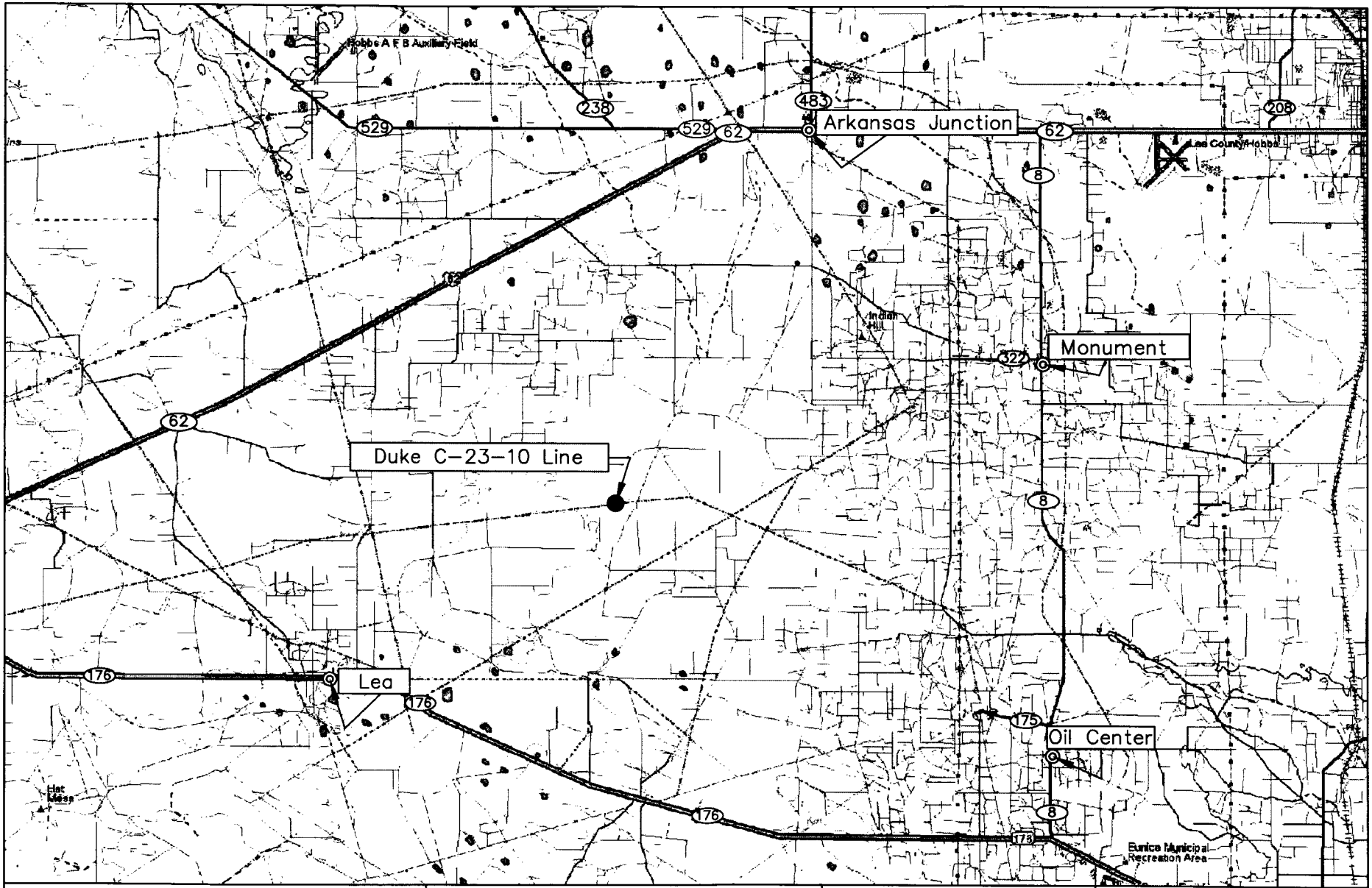

Figure 1 Area Map Duke Energy C-23-10 Line – Leak #10	Lea County, New Mexico NW 1/4 of the NE 1/4, Sec. 14, T20S, R35E N 32° 34' 39.03" W 103° 25' 31.23" Elevation: 3,664 feet amsl	DWG By: Jason Stegemoller October 2006 0 3.0 6.0 Miles	REVISED: SHEET 1 of 1

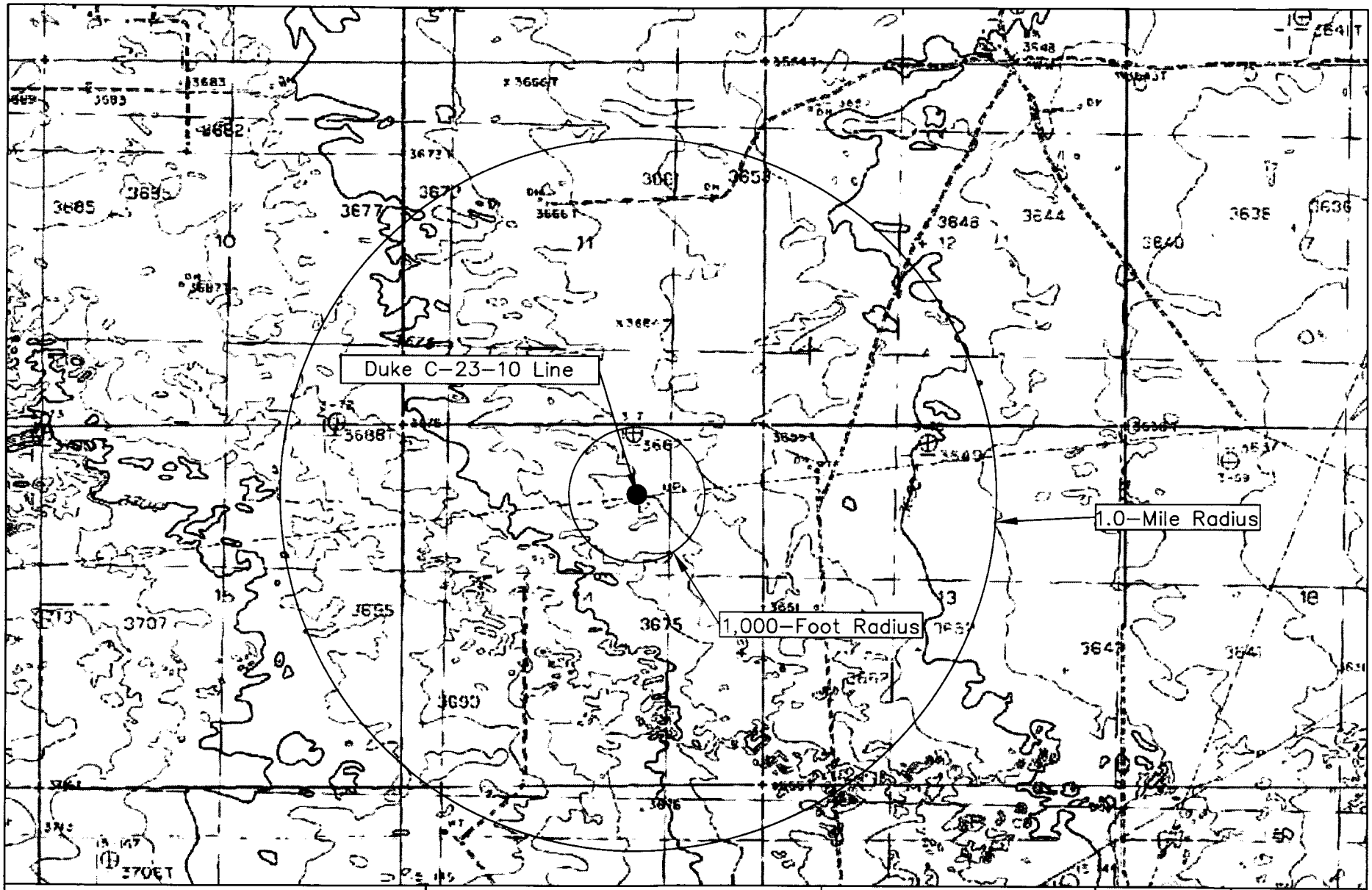

Figure 2
Site Location Map
Duke Energy
C-23-10 Line – Leak #10

Lea County, New Mexico
NW 1/4 of the NE 1/4, Sec. 14, T20S, R35E
N 32° 34' 39.03" W 103° 25' 31.23"
Elevation: 3,664 feet amsl

DWG By: Jason Stegemoller
October 2006

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1 of 1

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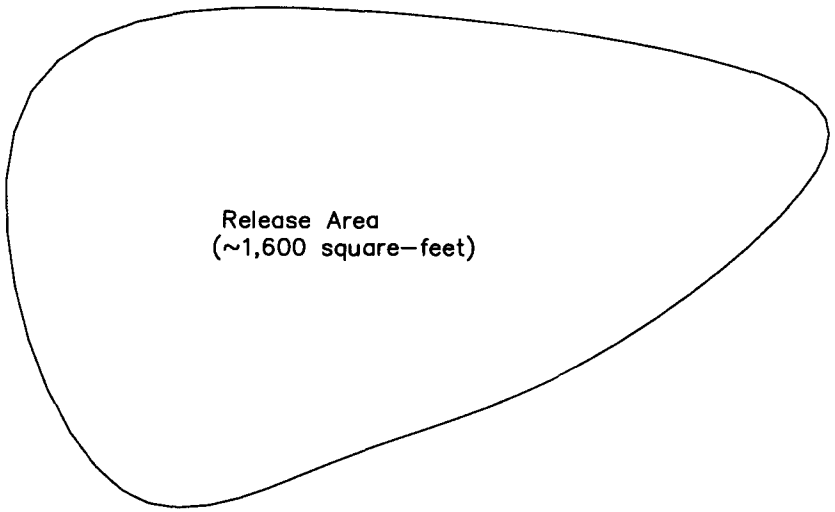
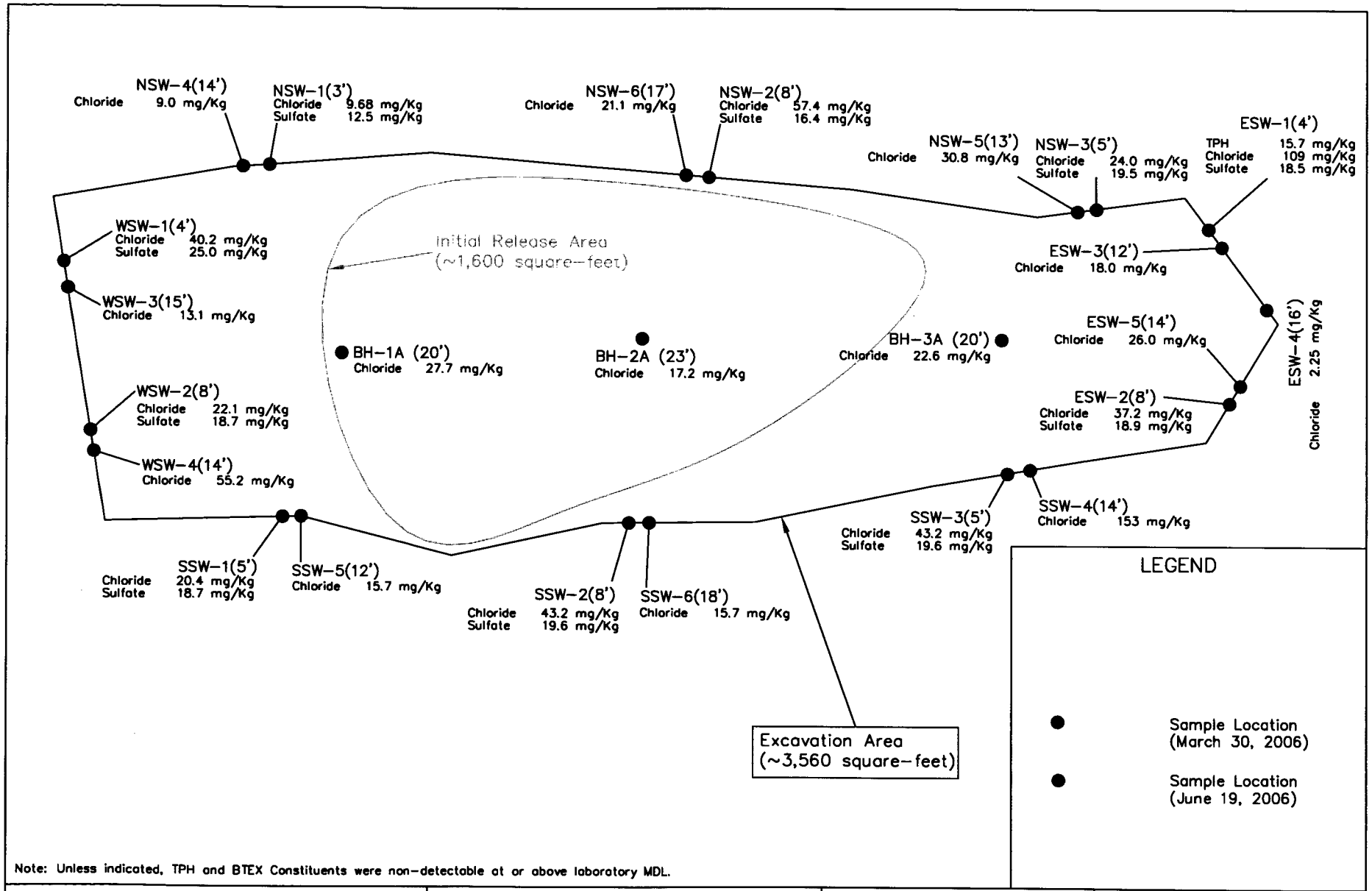


LEGEND

Figure 3 Site Map Duke Energy C-23-10 Line - Leak #10	Lea County, New Mexico NW 1/4 of the NE 1/4, Sec. 14, T20S, R35E N 32° 34' 39.03" W 103° 25' 31.23" Elevation: 3,664 feet amsl	DWG By: Jason Stegemoller October 2006	REVISED:	N
		0 15 30 Feet	SHEET 1 of 1	



Note: Unless indicated, TPH and BTEX Constituents were non-detectable at or above laboratory MDL.

Figure 4 Excavation and Sample Location Map Duke Energy C-23-10 Line - Leak #10	Lea County, New Mexico NW 1/4 of the NE 1/4, Sec. 14, T20S, R35E N 32° 34' 39.03" W 103° 25' 31.23" Elevation: 3,664 feet amsl	DWG By: Jason Stegemoller October 2006 0 15 30 Feet	REVISED: SHEET 1 of 1 N

TABLES

TABLE 1

Well Data

Duke Energy - C-23-10 Line #10 (NMOCD 1RP #422; DEFS/EPI Ref. # 130044-10)

Well Number	Diversion[A]	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
L 02420	3	MORAN DRILLING CO.	PRO	20S	36E	18 1 2	N32° 34' 36.14"	W103° 23' 50.87"	25-Nov-53	3,642	34
L 02420 APPRO				20S	36E	18 1 2	N32° 34' 36.14"	W103° 23' 50.87"	25-Nov-53	3,642	34

[B] = Elevation interpolated from USGS topographical map based on referenced location.
PRO = 72-12-1 Prospecting or development of natural resource
quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

TABLE 2

Summary of Excavation Analytical Results

Duke Energy Field Services C-23-10 Line - Site #10 (NMOCD 1RP 422; DEFS/EPI Ref. #130044-10)

Sample ID	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C12 (mg/Kg)	Carbon Ranges C12-C-28 (mg/Kg)	Carbon Ranges C28-C35 (mg/Kg)	TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)	Sulfate (mg/Kg)
WSW-1 (4')	4	30-Mar-06	*In situ*	0.2	160	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	40.2	25.0
WB-1 (6')	6	30-Mar-06	*Excavated*	1.9	160	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	33.6	<10.0	33.6	26.8	20.1
WB-2 (6')	6	30-Mar-06	*Excavated*	3.8	160	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	18.6	16.8
WSW-2 (8')	8	30-Mar-06	*In situ*	2.4	80	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	22.1	18.7
WSW-3	15	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	13.1	--
WSW-4	14	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	55.2	--
SSW-1 (5')	5	30-Mar-06	*In situ*	5.6	120	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	20.4	18.7
SSW-2 (8')	8	30-Mar-06	*In situ*	2.5	200	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	43.6	18.1
SSW-3 (5')	5	30-Mar-06	*In situ*	35.2	160	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	43.2	19.6
SSW-4	14	19-Jun-06	*In situ*	--	200	--	--	--	--	--	--	--	--	--	23.6	--
SSW-5	12	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	153	--
SSW-6	18	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	15.7	--
BH-1 (12')	12	30-Mar-06	*Excavated*	2.7	200	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	34.0	<10.0	34.0	23.4	20.6
BH-1A	20	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	27.7	--
BH-2 (12')	12	30-Mar-06	*Excavated*	62.9	240	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	36.0	<10.0	36.0	**356**	28.2
BH-2A	23	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	17.2	--
BH-3 (12')	12	30-Mar-06	*Excavated*	6.4	240	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	36.4	5.49[C]	36.4	**694**	25.5
BH-3A	20	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	22.6	--
NSW-1 (3')	3	30-Mar-06	*In situ*	2.3	80	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	9.68	12.5
NSW-2 (8')	8	30-Mar-06	*In situ*	4.2	120	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	57.4	16.4
NSW-3 (5')	5	30-Mar-06	*In situ*	7.6	120	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	24.0	19.5
NSW-4	14	19-Jun-06	*In situ*	--	200	--	--	--	--	--	--	--	--	--	8.97	--
NSW-5	13	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	30.8	--
NSW-6	17	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	21.1	--
ESW-1 (4')	4	30-Mar-06	*In situ*	11	160	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	15.7	<10.0	15.7	109	18.5
ESW-2 (8')	8	30-Mar-06	*In situ*	6	160	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	<10.0	37.2	18.9
ESW-3	12	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	18.0	--
ESW-4	16	19-Jun-06	*In situ*	--	240	--	--	--	--	--	--	--	--	--	2.25[C]	--
ESW-5	14	19-Jun-06	*In situ*	--	200	--	--	--	--	--	--	--	--	--	26.0	--
Stockpile 1	NA	30-Mar-06	Excavated Stockpile	416	--	<0.0250	0.0747	0.130	0.898	1.10	87.0	261	22.5	371	83.0	23.7
Stockpile 2	NA	30-Mar-06	Excavated Stockpile	498	--	<0.0250	0.104	0.162	1.64	1.90	443	2,450	459	3,350	148	37.7
Stockpile 3	NA	30-Mar-06	Excavated Stockpile	287	--	<0.0250	0.0710	0.104	0.495	0.670	63.1	593	122	778	56.5	36.5
NMOCD Remedial Thresholds				**100[A]**		**10**				**50**				**1,000**	**250[B]**	**600[B]**

***Bolded** values are in excess of the NMOCD Remediation Thresholds*

- - : Not Analyzed

[A] In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes.

[B] Chloride and sulfate residuals may not be capable of impacting local groundwater above the NMWQCC standard of 250 mg/L and 600 mg/L, respectively.

[C] Detected, but below the Reporting Limit; therefore, results is an estimated concentration.

TABLE 3

Summary of Shredded Soil Analytical Results

Duke Energy Field Services C-23-10 Line - Site #10 (Ref. #130044-10)

Sample ID	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) C6-C10 (mg/Kg)	TPH (as diesel) C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)	Sulfate (mg/Kg)
SH-1	NA	12-Sep-06	Shredded	1.8	240	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	16.0	115*
SH-2	NA	12-Sep-06	Shredded	1.7	480	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	**304**	15.8
SH-3	NA	12-Sep-06	Shredded	0.6	200	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	144	<1
SH-4	NA	12-Sep-06	Shredded	2.1	240	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	160	<1*
NMOCD Remedial Thresholds				**100[A]**		**10**				**50**			**1,000**	**250[B]**	**600[B]**

Bolded values are in excess of the NMOCD Remediation Thresholds

- - : Not Analyzed

[A] In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes.

[B] Chloride and sulfate residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L and 600 mg/L, respectively.

** Color matrix interference. Results should therefore be considered an approximation*

APPENDICES

APPENDIX I

LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY FORM

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: DEFS/ C-23-10 #10

Project Number: 130044-10

Location: UL-B, Sect. 14, T 20 S, R 35 E

Lab Order Number: 6C31016

Report Date: 04/10/06

Environmental Plus, Incorporated	Project: DEFS/ C-23-10 #10	Fax: 505-394-2601
P.O. Box 1558	Project Number: 130044-10	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	04/10/06 16:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WSW-1 (4')	6C31016-01	Soil	03/30/06 07:25	03/31/06 14:14
WB-1 (6')	6C31016-02	Soil	03/30/06 07:26	03/31/06 14:14
WB-2 (6')	6C31016-03	Soil	03/30/06 07:27	03/31/06 14:14
WSW-2 (8')	6C31016-04	Soil	03/30/06 07:28	03/31/06 14:14
SSW-1 (5')	6C31016-05	Soil	03/30/06 07:30	03/31/06 14:14
SSW-2 (8')	6C31016-06	Soil	03/30/06 07:31	03/31/06 14:14
SSW-3 (5')	6C31016-07	Soil	03/30/06 07:32	03/31/06 14:14
BH-1 (12')	6C31016-08	Soil	03/30/06 07:34	03/31/06 14:14
BH-2 (12')	6C31016-09	Soil	03/30/06 07:35	03/31/06 14:14
BH-3 (12')	6C31016-10	Soil	03/30/06 07:36	03/31/06 14:14
NSW-1 (3')	6C31016-11	Soil	03/30/06 07:38	03/31/06 14:14
NSW-2 (8')	6C31016-12	Soil	03/30/06 07:39	03/31/06 14:14
NSW-3 (5')	6C31016-13	Soil	03/30/06 07:40	03/31/06 14:14
ESW-1 (4')	6C31016-14	Soil	03/30/06 07:42	03/31/06 14:14
ESW-2 (8')	6C31016-15	Soil	03/30/06 07:43	03/31/06 14:14
Stockpile 1	6C31016-16	Soil	03/30/06 14:35	03/31/06 14:14
Stockpile 2	6C31016-17	Soil	03/30/06 14:37	03/31/06 14:14
Stockpile 3	6C31016-18	Soil	03/30/06 14:38	03/31/06 14:14

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WSW-1 (4') (6C31016-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/04/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
WB-1 (6') (6C31016-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	**33.6**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**ND**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**33.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
WB-2 (6') (6C31016-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WB-2 (6') (6C31016-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
WSW-2 (8') (6C31016-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
SSW-1 (5') (6C31016-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SSW-2 (8') (6C31016-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*120 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
SSW-3 (5') (6C31016-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.0 %*	*70-130*		"	"	"	"	
BH-1 (12') (6C31016-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (12') (6C31016-08) Soil									
Carbon Ranges C12-C28	**34.0**	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C28-C35	**ND**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**34.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
BH-2 (12') (6C31016-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	**36.0**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**ND**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**36.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*124 %*	*70-130*		"	"	"	"	
BH-3 (12') (6C31016-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/01/06	EPA 8015M	
Carbon Ranges C12-C28	**36.4**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**J [5.49]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	**36.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*118 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NSW-1 (3') (6C31016-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.6 %*	*70-130*		"	"	"	"	
NSW-2 (8') (6C31016-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*119 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
NSW-3 (5') (6C31016-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NSW-3 (5') (6C31016-13) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
ESW-1 (4') (6C31016-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C12-C28	**15.7**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15.7**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
ESW-2 (8') (6C31016-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60416	04/04/06	04/05/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*130 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile 1 (6C31016-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60620	04/06/06	04/06/06	EPA 8021B	
Toluene	**0.0747**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.130**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.613**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.285**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**87.0**	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C12-C28	**261**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**22.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**371**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*137 %*	*70-130*		"	"	"	"	*S-04*
Surrogate: 1-Chlorooctadecane		*134 %*	*70-130*		"	"	"	"	*S-04*
Stockpile 2 (6C31016-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60620	04/06/06	04/06/06	EPA 8021B	
Toluene	**0.104**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.162**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.996**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.640**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**443**	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C12-C28	**2450**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**459**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3350**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"	
Stockpile 3 (6C31016-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60620	04/06/06	04/06/06	EPA 8021B	
Toluene	**0.0710**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.104**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.266**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.229**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**63.1**	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile 3 (6C31016-18) Soil									
Carbon Ranges C12-C28	**593**	10.0	mg/kg dry	1	EC63116	03/31/06	04/03/06	EPA 8015M	
Carbon Ranges C28-C35	**122**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**778**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*112 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WSW-1 (4') (6C31016-01) Soil									
Chloride	**40.2**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**9.5**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**25.0**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
WB-1 (6') (6C31016-02) Soil									
Chloride	**26.8**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**9.4**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**20.1**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
WB-2 (6') (6C31016-03) Soil									
Chloride	**18.6**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**10.6**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**16.8**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
WSW-2 (8') (6C31016-04) Soil									
Chloride	**22.1**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**8.4**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**18.7**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
SSW-1 (5') (6C31016-05) Soil									
Chloride	**20.4**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**10.1**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**18.7**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
SSW-2 (8') (6C31016-06) Soil									
Chloride	**43.6**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**18.1**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
SSW-3 (5') (6C31016-07) Soil									
Chloride	**43.2**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**15.1**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**19.6**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	

Environmental Plus, Incorporated	Project: DEFS/ C-23-10 #10	Fax: 505-394-2601
P.O. Box 1558	Project Number: 130044-10	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	04/10/06 16:48

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (12') (6C31016-08) Soil									
Chloride	**23.4**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**9.2**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**20.6**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
BH-2 (12') (6C31016-09) Soil									
Chloride	**356**	10.0	mg/kg	20	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**9.6**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**28.2**	10.0	mg/kg	20	ED60412	04/04/06	04/05/06	EPA 300.0	
BH-3 (12') (6C31016-10) Soil									
Chloride	**694**	10.0	mg/kg	20	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**8.5**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**25.5**	10.0	mg/kg	20	ED60412	04/04/06	04/05/06	EPA 300.0	
NSW-1 (3') (6C31016-11) Soil									
Chloride	**9.68**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**5.9**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**12.5**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
NSW-2 (8') (6C31016-12) Soil									
Chloride	**57.4**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**6.4**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**16.4**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
NSW-3 (5') (6C31016-13) Soil									
Chloride	**24.0**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**19.5**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
ESW-1 (4') (6C31016-14) Soil									
Chloride	**109**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**8.1**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**18.5**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	

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Environmental Plus, Incorporated	Project: DEFS/ C-23-10 #10	Fax: 505-394-2601
P.O. Box 1558	Project Number: 130044-10	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	04/10/06 16:48

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ESW-2 (8') (6C31016-15) Soil									
Chloride	**37.2**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**7.4**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**18.9**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
Stockpile 1 (6C31016-16) Soil									
Chloride	**83.0**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**7.3**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**23.7**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
Stockpile 2 (6C31016-17) Soil									
Chloride	**148**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**6.8**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**37.7**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
Stockpile 3 (6C31016-18) Soil									
Chloride	**56.5**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	
% Moisture	**4.7**	0.1	%	1	ED60401	03/31/06	04/03/06	% calculation	
Sulfate	**36.5**	5.00	mg/kg	10	ED60412	04/04/06	04/05/06	EPA 300.0	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC63116 - Solvent Extraction (GC)										
Blank (EC63116-BLK1)				Prepared: 03/31/06 Analyzed: 04/01/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*56.2*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.6*		*"*	*50.0*		*117*	*70-130*			
LCS (EC63116-BS1)				Prepared: 03/31/06 Analyzed: 04/01/06						
Carbon Ranges C6-C12	547	10.0	mg/kg wet	500		109	75-125			
Carbon Ranges C12-C28	531	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	*64.3*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.0*		*"*	*50.0*		*120*	*70-130*			
Calibration Check (EC63116-CCV1)				Prepared: 03/31/06 Analyzed: 04/03/06						
Carbon Ranges C6-C12	288		mg/kg	250		115	80-120			
Carbon Ranges C12-C28	299		"	250		120	80-120			
Total Hydrocarbon C6-C35	587		"	500		117	80-120			
Surrogate: 1-Chlorooctane	*49.2*		*"*	*50.0*		*98.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.6*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike (EC63116-MS1)	**Source: 6C31016-01**			Prepared: 03/31/06 Analyzed: 04/01/06						
Carbon Ranges C6-C12	613	10.0	mg/kg dry	552	ND	111	75-125			
Carbon Ranges C12-C28	594	10.0	"	552	ND	108	75-125			
Total Hydrocarbon C6-C35	1210	10.0	"	1100	ND	110	75-125			
Surrogate: 1-Chlorooctane	*62.7*		*mg/kg*	*50.0*		*125*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.1*		*"*	*50.0*		*116*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC63116 - Solvent Extraction (GC)										
Matrix Spike Dup (EC63116-MSD1)	**Source: 6C31016-01**			Prepared: 03/31/06 Analyzed: 04/01/06						
Carbon Ranges C6-C12	606	10.0	mg/kg dry	552	ND	110	75-125	1.15	20	
Carbon Ranges C12-C28	583	10.0	"	552	ND	106	75-125	1.87	20	
Total Hydrocarbon C6-C35	1190	10.0	"	1100	ND	108	75-125	1.67	20	
Surrogate: 1-Chlorooctane	*62.2*		*mg/kg*	*50.0*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.5*		*"*	*50.0*		*117*	*70-130*			
Batch ED60416 - EPA 5030C (GC)										
Blank (ED60416-BLK1)				Prepared & Analyzed: 04/04/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*41.4*		*ug/kg*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.2*		*"*	*40.0*		*93.0*	*80-120*			
LCS (ED60416-BS1)				Prepared & Analyzed: 04/04/06						
Benzene	1.07	0.0250	mg/kg wet	1.25		85.6	80-120			
Toluene	1.03	0.0250	"	1.25		82.4	80-120			
Ethylbenzene	1.41	0.0250	"	1.25		113	80-120			
Xylene (p/m)	2.44	0.0250	"	2.50		97.6	80-120			
Xylene (o)	1.18	0.0250	"	1.25		94.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.9*		*ug/kg*	*40.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.4*		*"*	*40.0*		*98.5*	*80-120*			
Calibration Check (ED60416-CCV1)				Prepared & Analyzed: 04/04/06						
Benzene	43.0		ug/kg	50.0		86.0	80-120			
Toluene	40.2		"	50.0		80.4	80-120			
Ethylbenzene	44.6		"	50.0		89.2	80-120			
Xylene (p/m)	90.6		"	100		90.6	80-120			
Xylene (o)	45.4		"	50.0		90.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.0*		*"*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.5*		*"*	*40.0*		*96.2*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60416 - EPA 5030C (GC)										
Matrix Spike (ED60416-MS1)	**Source: 6D04012-05**			Prepared: 04/04/06 Analyzed: 04/05/06						
Benzene	1.15	0.0250	mg/kg dry	1.32	ND	87.1	80-120			
Toluene	1.08	0.0250	"	1.32	ND	81.8	80-120			
Ethylbenzene	1.42	0.0250	"	1.32	ND	108	80-120			
Xylene (p/m)	2.43	0.0250	"	2.63	ND	92.4	80-120			
Xylene (o)	1.15	0.0250	"	1.32	ND	87.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.8*		*ug/kg*	*40.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.4*		*"*	*40.0*		*86.0*	*80-120*			
Matrix Spike Dup (ED60416-MSD1)	**Source: 6D04012-05**			Prepared: 04/04/06 Analyzed: 04/05/06						
Benzene	1.12	0.0250	mg/kg dry	1.32	ND	84.8	80-120	2.68	20	
Toluene	1.08	0.0250	"	1.32	ND	81.8	80-120	0.00	20	
Ethylbenzene	1.46	0.0250	"	1.32	ND	111	80-120	2.74	20	
Xylene (p/m)	2.51	0.0250	"	2.63	ND	95.4	80-120	3.19	20	
Xylene (o)	1.18	0.0250	"	1.32	ND	89.4	80-120	2.61	20	
Surrogate: a,a,a-Trifluorotoluene	*32.2*		*ug/kg*	*40.0*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.9*		*"*	*40.0*		*92.2*	*80-120*			
Batch ED60620 - EPA 5030C (GC)										
Blank (ED60620-BLK1)				Prepared & Analyzed: 04/06/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*36.6*		*ug/kg*	*40.0*		*91.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.4*		*"*	*40.0*		*81.0*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60620 - EPA 5030C (GC)										
LCS (ED60620-BS1)				Prepared & Analyzed: 04/06/06						
Benzene	1.06	0.0250	mg/kg wet	1.25		84.8	80-120			
Toluene	1.03	0.0250	"	1.25		82.4	80-120			
Ethylbenzene	1.40	0.0250	"	1.25		112	80-120			
Xylene (p/m)	2.42	0.0250	"	2.50		96.8	80-120			
Xylene (o)	1.17	0.0250	"	1.25		93.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.3*		*ug/kg*	*40.0*		*83.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.4*		*"*	*40.0*		*93.5*	*80-120*			
Calibration Check (ED60620-CCV1)				Prepared: 04/06/06 Analyzed: 04/07/06						
Benzene	41.6		ug/kg	50.0		83.2	80-120			
Toluene	40.4		"	50.0		80.8	80-120			
Ethylbenzene	44.0		"	50.0		88.0	80-120			
Xylene (p/m)	90.2		"	100		90.2	80-120			
Xylene (o)	44.6		"	50.0		89.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.6*		*"*	*40.0*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.7*		*"*	*40.0*		*96.8*	*80-120*			
Matrix Spike (ED60620-MS1)	**Source: 6D04007-01**			Prepared: 04/06/06 Analyzed: 04/07/06						
Benzene	1.08	0.0250	mg/kg dry	1.33	ND	81.2	80-120			
Toluene	1.09	0.0250	"	1.33	ND	82.0	80-120			
Ethylbenzene	1.45	0.0250	"	1.33	ND	109	80-120			
Xylene (p/m)	2.53	0.0250	"	2.66	ND	95.1	80-120			
Xylene (o)	1.19	0.0250	"	1.33	ND	89.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.3*		*ug/kg*	*40.0*		*95.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.2*		*"*	*40.0*		*95.5*	*80-120*			
Matrix Spike Dup (ED60620-MSD1)	**Source: 6D04007-01**			Prepared: 04/06/06 Analyzed: 04/07/06						
Benzene	1.07	0.0250	mg/kg dry	1.33	ND	80.5	80-120	0.866	20	
Toluene	1.07	0.0250	"	1.33	ND	80.5	80-120	1.85	20	
Ethylbenzene	1.43	0.0250	"	1.33	ND	108	80-120	0.922	20	
Xylene (p/m)	2.50	0.0250	"	2.66	ND	94.0	80-120	1.16	20	
Xylene (o)	1.19	0.0250	"	1.33	ND	89.5	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	*37.8*		*ug/kg*	*40.0*		*94.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.6*		*"*	*40.0*		*89.0*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60401 - General Preparation (Prep)										
Blank (ED60401-BLK1)				Prepared: 03/31/06 Analyzed: 04/03/06						
% Solids	100		%							
Duplicate (ED60401-DUP1)	**Source: 6C30011-01**			Prepared: 03/31/06 Analyzed: 04/03/06						
% Solids	92.8		%		92.3			0.540	20	
Duplicate (ED60401-DUP2)	**Source: 6C31006-06**			Prepared: 03/31/06 Analyzed: 04/03/06						
% Solids	96.1		%		96.2			0.104	20	
Duplicate (ED60401-DUP3)	**Source: 6C31016-09**			Prepared: 03/31/06 Analyzed: 04/03/06						
% Solids	90.5		%		90.4			0.111	20	
Duplicate (ED60401-DUP4)	**Source: 6C31018-04**			Prepared: 03/31/06 Analyzed: 04/03/06						
% Solids	87.5		%		87.5			0.00	20	
Batch ED60412 - Water Extraction										
Blank (ED60412-BLK1)				Prepared: 04/04/06 Analyzed: 04/05/06						
Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	"							
LCS (ED60412-BS1)				Prepared: 04/04/06 Analyzed: 04/05/06						
Sulfate	9.93		mg/L	10.0		99.3	80-120			
Chloride	9.02		"	10.0		90.2	80-120			
Calibration Check (ED60412-CCV1)				Prepared: 04/04/06 Analyzed: 04/05/06						
Chloride	9.16		mg/L	10.0		91.6	80-120			
Sulfate	10.2		"	10.0		102	80-120			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60412 - Water Extraction										
Duplicate (ED60412-DUP1)	**Source: 6C31016-01**			Prepared: 04/04/06 Analyzed: 04/05/06						
Sulfate	25.5	5.00	mg/kg		25.0			1.98	20	
Chloride	41.2	5.00	"		40.2			2.46	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 4/10/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 *P.O. Box 1558, Eunice, NM 88231*
(505) 394-3481 FAX: (505) 394-2601

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	C-23-10 #10
Location	UL-B, Sect. 14, T 20 S, R 35 E
Project Reference	130044-10
EPI Sampler Name	David Robinson

Bill To

Duke Energy Field Services

Attn: Polo Rendon
1625 West Marland
Hobbs, NM 88240

LAB I.D. 6C31016	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS 4oz glass	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{2-})	pH	TCLP	OTHER >>>	PAH			
-01	WSW-1 (4')	G	1			X					X		30-Mar-06	7:25	X	X	X	X							
-02	WB-1 (6')	G	1			X					X		30-Mar-06	7:26	X	X	X	X							
-03	WB-2 (6')	G	1			X					X		30-Mar-06	7:27	X	X	X	X							
-04	WSW-2 (8')	G	1			X					X		30-Mar-06	7:28	X	X	X	X							
-05	SSW-1 (5')	G	1			X					X		30-Mar-06	7:30	X	X	X	X							
-06	SSW-2 (8')	G	1			X					X		30-Mar-06	7:31	X	X	X	X							
-07	SSW-3 (5')	G	1			X					X		30-Mar-06	7:32	X	X	X	X							
-08	BH-1 (12')	G	1			X					X		30-Mar-06	7:34	X	X	X	X							
-09	BH-2 (12')	G	1			X					X		30-Mar-06	7:35	X	X	X	X							
-10	BH-3 (12')	G	1			X					X		30-Mar-06	7:36	X	X	X	X							

ANALYSIS REQUEST

Sampler Relinquished: Iain Olness	Date: 3/31/06 Time: 0842	Received By:	E-mail results to: iolness@envplus.net
Relinquished by:	Date: 3/31/06 Time: 2:14	Received By: (lab staff) Jeanne McMurry	REMARKS: Labels - no seal
Delivered by:	2.0°C Sample Cool & Intact Yes / No	Checked By: JMM	

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain of Custody Form

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	C-23-10 #10
Location	UL-B, Sect. 14, T 20 S, R 35 E
Project Reference	130044-10
EPI Sampler Name	David Robinson

Bill To

Duke Energy Field Services

Attn: Polo Rendon
1625 West Marland
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
6C31016																									
1	NSW-1 (3')	G	1			X					X		30-Mar-06	7:38	X	X	X	X							
2	NSW-2 (8')	G	1			X					X		30-Mar-06	7:39	X	X	X	X							
3	NSW-3 (5')	G	1			X					X		30-Mar-06	7:40	X	X	X	X							
4	ESW-1 (4')	G	1			X					X		30-Mar-06	7:42	X	X	X	X							
5	ESW-2 (8')	G	1			X					X		30-Mar-06	7:43	X	X	X	X							
6	Stockpile 1	G	1			X					X		30-Mar-06	14:35	X	X	X	X							
7	Stockpile 2	G	1			X					X		30-Mar-06	14:37	X	X	X	X							
8	Stockpile 3	G	1			X					X		30-Mar-06	14:38	X	X	X	X							
9																									
10																									

Sampler Relinquished: Date 3/31/06 Time 0842 Received By:

Relinquished by: Date 3/31/06 Time 2:14 Received By: (lab staff)

Delivered by: Sample Cool & Intact 2.0°C (Yes) No Checked By:

E-mail results to: iolness@envplus.net
REMARKS: Labels-no seal

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

Client: EPI

Date/Time: 03-31-06 @ 1414

Order #: 6C31016

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: DEFS/ C-23-10 #10

Project Number: 130044-10

Location: UL-B, Sect. 14, T 20 S, R 35 E

Lab Order Number: 6F20003

Report Date: 06/21/06

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESW-3 12'	6F20003-01	Soil	06/19/06 10:00	06/20/06 10:00
ESW-4 16'	6F20003-02	Soil	06/19/06 10:01	06/20/06 10:00
ESW-5 14'	6F20003-03	Soil	06/19/06 10:02	06/20/06 10:00
BH-1A 20'	6F20003-04	Soil	06/19/06 10:03	06/20/06 10:00
BH-2A 23'	6F20003-05	Soil	06/19/06 10:04	06/20/06 10:00
BH-3A 20'	6F20003-06	Soil	06/19/06 10:05	06/20/06 10:00
SSW-4 14'	6F20003-07	Soil	06/19/06 10:06	06/20/06 10:00
SSW-5 12'	6F20003-08	Soil	06/19/06 10:07	06/20/06 10:00
SSW-6 18'	6F20003-09	Soil	06/19/06 10:08	06/20/06 10:00
NSW-4 14'	6F20003-10	Soil	06/19/06 10:09	06/20/06 10:00
NSW-5 13'	6F20003-11	Soil	06/19/06 10:10	06/20/06 10:00
NSW-6 17'	6F20003-12	Soil	06/19/06 10:11	06/20/06 10:00
WSW-3 15'	6F20003-13	Soil	06/19/06 10:12	06/20/06 10:00
WSW-4 14'	6F20003-14	Soil	06/19/06 10:13	06/20/06 10:00

Environmental Plus, Incorporated	Project: DEFS/ C-23-10 #10	Fax: 505-394-2601
P.O. Box 1558	Project Number: 130044-10	
Eunice NM, 88231	Project Manager: Iain Olness	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ESW-3 12' (6F20003-01) Soil									
Chloride	**18.0**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
ESW-4 16' (6F20003-02) Soil									
Chloride	**J [2.25]**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	J
ESW-5 14' (6F20003-03) Soil									
Chloride	**26.0**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
BH-1A 20' (6F20003-04) Soil									
Chloride	**27.7**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
BH-2A 23' (6F20003-05) Soil									
Chloride	**17.2**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
BH-3A 20' (6F20003-06) Soil									
Chloride	**22.6**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
SSW-4 14' (6F20003-07) Soil									
Chloride	**23.6**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
SSW-5 12' (6F20003-08) Soil									
Chloride	**153**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
SSW-6 18' (6F20003-09) Soil									
Chloride	**15.7**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
NSW-4 14' (6F20003-10) Soil									
Chloride	**8.97**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
NSW-5 13' (6F20003-11) Soil									
Chloride	**30.8**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Plus, Incorporated	Project: DEFS/ C-23-10 #10	Fax: 505-394-2601
P.O. Box 1558	Project Number: 130044-10	
Eunice NM, 88231	Project Manager: Iain Olness	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NSW-6 17' (6F20003-12) Soil									
Chloride	**21.1**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
WSW-3 15' (6F20003-13) Soil									
Chloride	**13.1**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	
WSW-4 14' (6F20003-14) Soil									
Chloride	**55.2**	5.00	mg/kg	10	EF62107	06/21/06	06/21/06	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62107 - General Preparation (WetChem)										
Blank (EF62107-BLK1)				Prepared & Analyzed: 06/21/06						
Chloride	ND	0.500	mg/kg							
LCS (EF62107-BS1)				Prepared & Analyzed: 06/21/06						
Chloride	10.2		mg/L	10.0		102	80-120			
Calibration Check (EF62107-CCV1)				Prepared & Analyzed: 06/21/06						
Chloride	11.1		mg/L	10.0		111	80-120			
Duplicate (EF62107-DUP1)	**Source: 6F20003-04**			Prepared & Analyzed: 06/21/06						
Chloride	27.5	5.00	mg/kg		27.7			0.725	20	
Duplicate (EF62107-DUP2)	**Source: 6F20003-08**			Prepared & Analyzed: 06/21/06						
Chloride	153	5.00	mg/kg		153			0.00	20	
Matrix Spike (EF62107-MS1)	**Source: 6F20003-04**			Prepared & Analyzed: 06/21/06						
Chloride	118	5.00	mg/kg	100	27.7	90.3	80-120			
Matrix Spike (EF62107-MS2)	**Source: 6F20003-08**			Prepared & Analyzed: 06/21/06						
Chloride	263	5.00	mg/kg	100	153	110	80-120			

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 6/21/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain of Custody Form

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	C-23-10 #10
Location	UL-B, Sect. 14, T 20 S, R 35 E
Project Reference	130044-10
EPI Sampler Name	David Robinson

Bill To

Duke Energy Field Services

Attn: Polo Rendon
1625 West Marland
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D. (EF20003)		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
-01	1	ESW-3 (12')	G	1			X					X		19-Jun-06	10:00			X					
-02	2	ESW-4 (16')	G	1			X					X		19-Jun-06	10:01			X					
-03	3	ESW-5 (14')	G	1			X					X		19-Jun-06	10:02			X					
-04	4	BH-1A (20')	G	1			X					X		19-Jun-06	10:03			X					
-05	5	BH-2A (23')	G	1			X					X		19-Jun-06	10:04			X					
-06	6	BH-3A (20')	G	1			X					X		19-Jun-06	10:05			X					
-07	7	SSW-4 (14')	G	1			X					X		19-Jun-06	10:06			X					
-08	8	SSW-5 (12')	G	1			X					X		19-Jun-06	10:07			X					
-09	9	SSW-6 (18')	G	1			X					X		19-Jun-06	10:08			X					
-10	10	NSW-4 (14')	G	1			X					X		19-Jun-06	10:09			X					

Sampler Relinquished: David Robinson
Date: 6-20-06
Time: 7:00 AM
Received By:

Relinquished by:
Date: 6/20/06
Time: 10:00
Received By: (lab staff)

Delivered by:

Sample Cool & Intact: (Yes) No

Checked By:

E-mail results to: jstegemoller@envplus.net

REMARKS: plastic baggie

6 c.s

w/ labels

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain of Custody Form

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	C-23-10 #10
Location	UL-B, Sect. 14, T 20 S, R 35 E
Project Reference	130044-10
EPI Sampler Name	David Robinson

Bill To

Duke Energy Field Services

Attn: Polo Rendon
1625 West Marland
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D. (EF20003)		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
71	1	NSW-5 (13')	G	1			X					X		19-Jun-06	10:10			X					
72	2	NSW-6 (17')	G	1			X					X		19-Jun-06	10:11			X					
73	3	WSW-3 (15')	G	1			X					X		19-Jun-06	10:12			X					
74	4	WSW-4 (14')	G	1			X					X		19-Jun-06	10:13			X					
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Sampler Relinquished: David Robinson
Date: 6-20-06 Time: 7:00 Am
Received By:

Relinquished by:
Date: 6/20/06 Time: 10:00
Received By: (lab staff) Caren Kelly

Delivered by:

Sample Cool & Intact: (Yes) No

Checked By:

E-mail results to: jstegemoller@envplus.net

REMARKS: plastic baggie

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

Client: EPI

Date/Time: 6/20/06 10:00

Order #: 6EF20003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	6.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: DEFS/ C-23-10 #10

Project Number: 130044-10

Location: UL-B, Sect. 14, T 20 S, R 35 E

Lab Order Number: 6G10008

Report Date: 07/13/06

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1	6G10008-01	Soil	07/07/06 13:35	07/10/06 09:55
SP-2	6G10008-02	Soil	07/07/06 13:41	07/10/06 09:55
SP-3	6G10008-03	Soil	07/07/06 13:48	07/10/06 09:55
SP-4	6G10008-04	Soil	07/07/06 13:52	07/10/06 09:55
SP-5	6G10008-05	Soil	07/07/06 13:56	07/10/06 09:55

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (6G10008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**J [5.24]**	10.0	mg/kg dry	1	EF62314	07/10/06	07/10/06	EPA 8015M	J
Carbon Ranges C12-C28	**42.8**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**42.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
SP-2 (6G10008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**J [5.81]**	10.0	mg/kg dry	1	EF62314	07/10/06	07/10/06	EPA 8015M	J
Carbon Ranges C12-C28	**785**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**103**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**888**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
SP-3 (6G10008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62314	07/10/06	07/10/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-3 (6G10008-03) Soil									
Carbon Ranges C12-C28	**ND**	10.0	mg/kg dry	1	EF62314	07/10/06	07/10/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
SP-4 (6G10008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62314	07/10/06	07/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.0 %*	*70-130*		"	"	"	"	
SP-5 (6G10008-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62314	07/10/06	07/10/06	EPA 8015M	
Carbon Ranges C12-C28	**33.2**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**33.2**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*88.6 %*	*70-130*		"	"	"	"	

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (6G10008-01) Soil									
Chloride	**425**	20.0	mg/kg Wet	2	EG61014	07/10/06	07/11/06	SW 846 9253	
% Moisture	**6.7**	0.1	%	1	EG61101	07/10/06	07/11/06	% calculation	
Sulfate	ND	25.0	mg/kg	5	EG61104	07/10/06	07/11/06	EPA 9038	
SP-2 (6G10008-02) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EG61014	07/10/06	07/11/06	SW 846 9253	
% Moisture	**0.4**	0.1	%	1	EG61101	07/10/06	07/11/06	% calculation	
Sulfate	**30.0**	25.0	mg/kg	5	EG61104	07/10/06	07/11/06	EPA 9038	
SP-3 (6G10008-03) Soil									
Chloride	**191**	20.0	mg/kg Wet	2	EG61014	07/10/06	07/11/06	SW 846 9253	
% Moisture	**9.3**	0.1	%	1	EG61101	07/10/06	07/11/06	% calculation	
Sulfate	**31.5**	25.0	mg/kg	5	EG61104	07/10/06	07/11/06	EPA 9038	
SP-4 (6G10008-04) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EG61014	07/10/06	07/11/06	SW 846 9253	
% Moisture	**5.7**	0.1	%	1	EG61101	07/10/06	07/11/06	% calculation	
Sulfate	**45.0**	25.0	mg/kg	5	EG61104	07/10/06	07/11/06	EPA 9038	
SP-5 (6G10008-05) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61014	07/10/06	07/11/06	SW 846 9253	
% Moisture	**4.5**	0.1	%	1	EG61101	07/10/06	07/11/06	% calculation	
Sulfate	**250**	125	mg/kg	25	EG61104	07/10/06	07/11/06	EPA 9038	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62314 - Solvent Extraction (GC)										
Blank (EF62314-BLK1)				Prepared & Analyzed: 07/10/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*43.5*		*mg/kg*	*50.0*		*87.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.9*		*"*	*50.0*		*81.8*	*70-130*			
LCS (EF62314-BS1)				Prepared & Analyzed: 07/10/06						
Carbon Ranges C6-C12	502	10.0	mg/kg wet	500		100	75-125			
Carbon Ranges C12-C28	486	10.0	"	500		97.2	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	988	10.0	"	1000		98.8	75-125			
Surrogate: 1-Chlorooctane	*60.2*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.7*		*"*	*50.0*		*117*	*70-130*			
Calibration Check (EF62314-CCV1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Carbon Ranges C6-C12	273		mg/kg	250		109	80-120			
Carbon Ranges C12-C28	284		"	250		114	80-120			
Total Hydrocarbon nC6-nC35	557		"	500		111	80-120			
Surrogate: 1-Chlorooctane	*47.9*		*"*	*50.0*		*95.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.9*		*"*	*50.0*		*89.8*	*70-130*			
Matrix Spike (EF62314-MS1)	**Source: 6G10004-01**			Prepared & Analyzed: 07/10/06						
Carbon Ranges C6-C12	559	10.0	mg/kg dry	573	5.31	96.6	75-125			
Carbon Ranges C12-C28	574	10.0	"	573	15.0	97.6	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1130	10.0	"	1150	15.0	97.0	75-125			
Surrogate: 1-Chlorooctane	*60.0*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.4*		*"*	*50.0*		*101*	*70-130*			

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62314 - Solvent Extraction (GC)										
Matrix Spike Dup (EF62314-MSD1)	**Source: 6G10004-01**			Prepared & Analyzed: 07/10/06						
Carbon Ranges C6-C12	549	10.0	mg/kg dry	573	5.31	94.9	75-125	1.81	20	
Carbon Ranges C12-C28	560	10.0	"	573	15.0	95.1	75-125	2.47	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1110	10.0	"	1150	15.0	95.2	75-125	1.79	20	
Surrogate: 1-Chlorooctane	*61.5*		*mg/kg*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.5*		*"*	*50.0*		*105*	*70-130*			
Batch EG61219 - EPA 5030C (GC)										
Blank (EG61219-BLK1)				Prepared & Analyzed: 07/12/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*32.5*		*ug/kg*	*40.0*		*81.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.6*		*"*	*40.0*		*94.0*	*80-120*			
LCS (EG61219-BS1)				Prepared & Analyzed: 07/12/06						
Benzene	1.16	0.0250	mg/kg wet	1.25		92.8	80-120			
Toluene	1.15	0.0250	"	1.25		92.0	80-120			
Ethylbenzene	1.08	0.0250	"	1.25		86.4	80-120			
Xylene (p/m)	2.49	0.0250	"	2.50		99.6	80-120			
Xylene (o)	1.21	0.0250	"	1.25		96.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.5*		*ug/kg*	*40.0*		*86.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.4*		*"*	*40.0*		*88.5*	*80-120*			

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61219 - EPA 5030C (GC)										
Calibration Check (EG61219-CCV1)				Prepared & Analyzed: 07/12/06						
Benzene	51.1		ug/kg	50.0		102	80-120			
Toluene	52.1		"	50.0		104	80-120			
Ethylbenzene	50.6		"	50.0		101	80-120			
Xylene (p/m)	102		"	100		102	80-120			
Xylene (o)	49.9		"	50.0		99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.9*		"	*40.0*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.6*		"	*40.0*		*94.0*	*80-120*			
Matrix Spike (EG61219-MS1)	**Source: 6G10008-05**			Prepared & Analyzed: 07/12/06						
Benzene	1.31	0.0250	mg/kg dry	1.31	ND	100	80-120			
Toluene	1.34	0.0250	"	1.31	ND	102	80-120			
Ethylbenzene	1.16	0.0250	"	1.31	ND	88.5	80-120			
Xylene (p/m)	2.72	0.0250	"	2.62	ND	104	80-120			
Xylene (o)	1.29	0.0250	"	1.31	ND	98.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.5*		*ug/kg*	*40.0*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.3*		"	*40.0*		*93.2*	*80-120*			
Matrix Spike Dup (EG61219-MSD1)	**Source: 6G10008-05**			Prepared & Analyzed: 07/12/06						
Benzene	1.47	0.0250	mg/kg dry	1.31	ND	112	80-120	11.3	20	
Toluene	1.46	0.0250	"	1.31	ND	111	80-120	8.45	20	
Ethylbenzene	1.36	0.0250	"	1.31	ND	104	80-120	16.1	20	
Xylene (p/m)	3.02	0.0250	"	2.62	ND	115	80-120	10.0	20	
Xylene (o)	1.52	0.0250	"	1.31	ND	116	80-120	16.3	20	
Surrogate: a,a,a-Trifluorotoluene	*38.0*		*ug/kg*	*40.0*		*95.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		"	*40.0*		*96.0*	*80-120*			

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61014 - Water Extraction										
Blank (EG61014-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EG61014-BS1)				Prepared & Analyzed: 07/11/06						
Chloride	84.0		mg/kg	100		84.0	80-120			
Matrix Spike (EG61014-MS1)		**Source: 6G10009-06**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	766	20.0	mg/kg Wet	500	298	93.6	80-120			
Matrix Spike Dup (EG61014-MSD1)		**Source: 6G10009-06**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	776	20.0	mg/kg Wet	500	298	95.6	80-120	1.30	20	
Reference (EG61014-SRM1)				Prepared & Analyzed: 07/11/06						
Chloride	50.0		mg/kg	50.0		100	80-120			
Batch EG61101 - General Preparation (Prep)										
Blank (EG61101-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
% Moisture	ND	0.1	%							
Duplicate (EG61101-DUP1)		**Source: 6G10004-01**		Prepared: 07/10/06 Analyzed: 07/11/06						
% Moisture	14.2	0.1	%		12.8			10.4	20	
Batch EG61104 - Water Extraction										
Blank (EG61104-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Sulfate	ND	25.0	mg/kg							

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61104 - Water Extraction										
LCS (EG61104-BS1)				Prepared & Analyzed: 07/11/06						
Sulfate	24.1	5.00	mg/kg	25.0		96.4	80-120			
Calibration Check (EG61104-CCV1)				Prepared & Analyzed: 07/11/06						
Sulfate	51.8		mg/kg	50.0		104	80-120			
Duplicate (EG61104-DUP1)		**Source: 6G07012-01**		Prepared: 07/10/06 Analyzed: 07/11/06						
Sulfate	132	25.0	mg/kg		134			1.50	20	

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: DEFS/ C-23-10 #10
Project Number: 130044-10
Project Manager: Iain Olness

Fax: 505-394-2601

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 7/13/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	C-23-10 #10
Location	UL-B, Sect. 14, T 20 S, R 35 E
Project Reference	130044-10
EPI Sampler Name	George Blackburn

Bill To

Duke Energy Field Services

Attn: Polo Rendon
1625 West Marland
Hobbs, NM 88240

LAB I.D. (lab use)		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
01	1	SP-1	G	1			X					X		07-Jul-06	13:35	X	X	X	X							
02	2	SP-2	G	1			X					X		07-Jul-06	13:41	X	X	X	X							
03	3	SP-3	G	1			X					X		07-Jul-06	13:48	X	X	X	X							
04	4	SP-4	G	1			X					X		07-Jul-06	13:52	X	X	X	X							
05	5	SP-5	G	1			X					X		07-Jul-06	13:56	X	X	X	X							
	6																									
	7																									
	8																									
	9																									
	10																									

Sampler Relinquished: Iain Olness	Date: 7 July 06 Time: 7:12	Received By:	E-mail results to: iolness@envplus.net
Relinquished by:	Date: 7-10-06 Time: 0955	Received By: (lab staff)	REMARKS: 0.5°C Labels
Delivered by:	Sample Cool & Intact: Yes / No	Checked By:	4oz glass w/ label

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

Client: EPI

Date/Time: 7/10/04

Order #: 6G10025

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 C
Shipping container/cooler in good condition?	~~Yes~~	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	~~Yes~~	No	
Container labels legible and intact?	~~Yes~~	No	
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	~~Yes~~	No	Not Applicable

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:

ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: J. STEGEMOLLER
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 09/13/06
Reporting Date: 09/15/06
Project Number: DUKE ENERGY FIELD SERVICES (130044-10)
Project Name: C-23-10 #10
Project Location: UL-B, SECT. 14, T 20 S, R 35 E

Sampling Date: 09/12/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		09/13/06	09/13/06	09/13/06	09/13/06	09/13/06	09/13/06
H11530-1	SH-1	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11530-2	SH-2	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11530-3	SH-3	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11530-4	SH-4	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		791	754	0.098	0.100	0.102	0.298
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		98.8	94.2	97.6	99.8	105	99.2
Relative Percent Difference		0.7	4.9	11.1	4.2	2.6	2.7

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

9/15/06
Date

h11530a

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: J. STEGEMOLLER
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-0201

Receiving Date: 09/13/06
Reporting Date: 09/15/06
Project Owner: DUKE ENERGY FIELD SERVICES (130044-10)
Project Name: C-23-10 #10
Project Location: UL-B, SECT. 14, T 20 S, R 35 E

Sampling Date: 09/12/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: HM

LAB NUMBER	SAMPLE ID	SO_4 (mg/Kg)	Cl (mg/Kg)
ANALYSIS DATE:		09/14/06	09/14/06
H11530-1	SH-1	*115	16
H11530-2	SH-2	15.8	304
H11530-3	SH-3	< 1	144
H11530-4	SH-4	*< 1	160
Quality Control		26.8	1000
True Value QC		25.0	1000
% Recovery		107	100
Relative Percent Difference		14.0	2.0

METHODS: EPA 600/4-79-020	375.4	SM 4500 Cl B

NOTE: Analyses performed on 1:4 w:v aqueous extracts.
* Color matrix interference. Results should therefore be considered an approximation.

Chemist

09-15-06
Date

H11530

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain of Custody Form

LAB: Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	~~Iain Olness~~ J Stegemoller
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	C-23-10 #10
Location	UL-B, Sect. 14, T 20 S, R 35 E
Project Reference	130044-10
EPI Sampler Name	David Robinson

Duke Energy Field Services

Attn: Polo Rendon
1625 West Marland
Hobbs, NM 88240

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl⁻)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
H11530-1	1	SH-1	G	1			X					X		12-Sep-06	9:45	X	X	X	X				
-2	2	SH-2	G	1			X					X		12-Sep-06	9:48	X	X	X	X				
-3	3	SH-3	G	1			X					X		12-Sep-06	9:51	X	X	X	X				
-4	4	SH-4	G	1			X					X		12-Sep-06	9:55	X	X	X	X				
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Sampler Relinquished: Jason Stegemoller	Date 9-13-06 Time 3:50P	Received By:	E-mail results to: jstegemoller@envplus.net REMARKS:
Relinquished by:	Date 09-13-06 Time	Received By: (lab staff) Hope S. Moreno	
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

APPENDIX II

PROJECT PHOTOGRAPHS

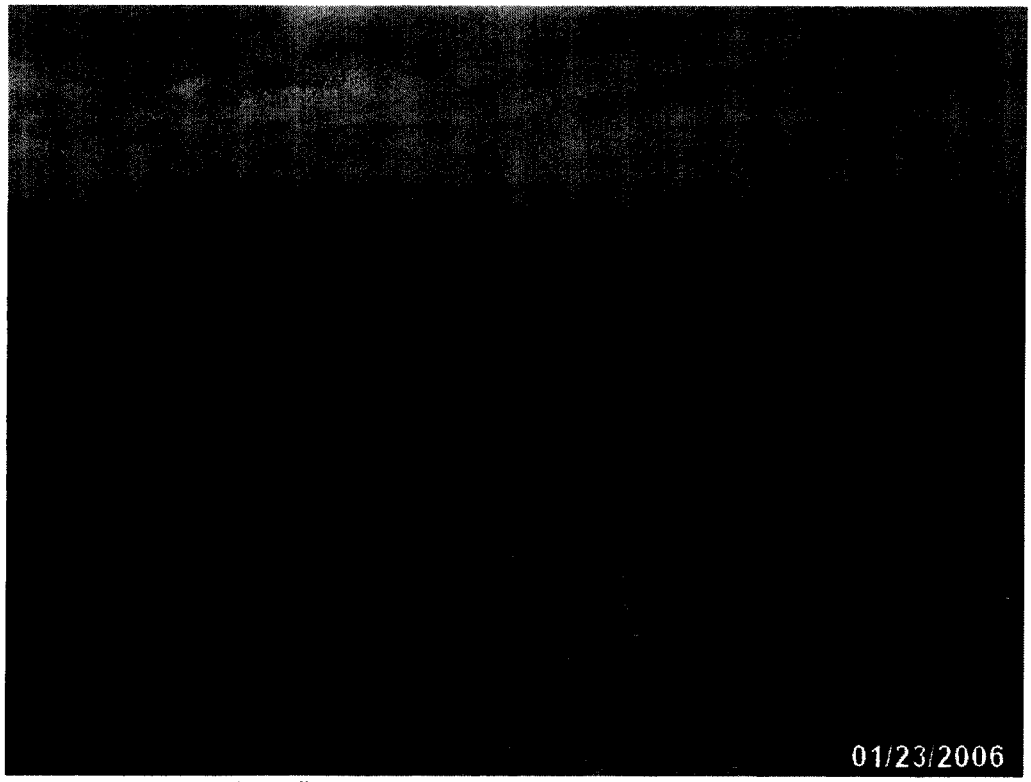

Photo #1:Looking westerly across point-of release.

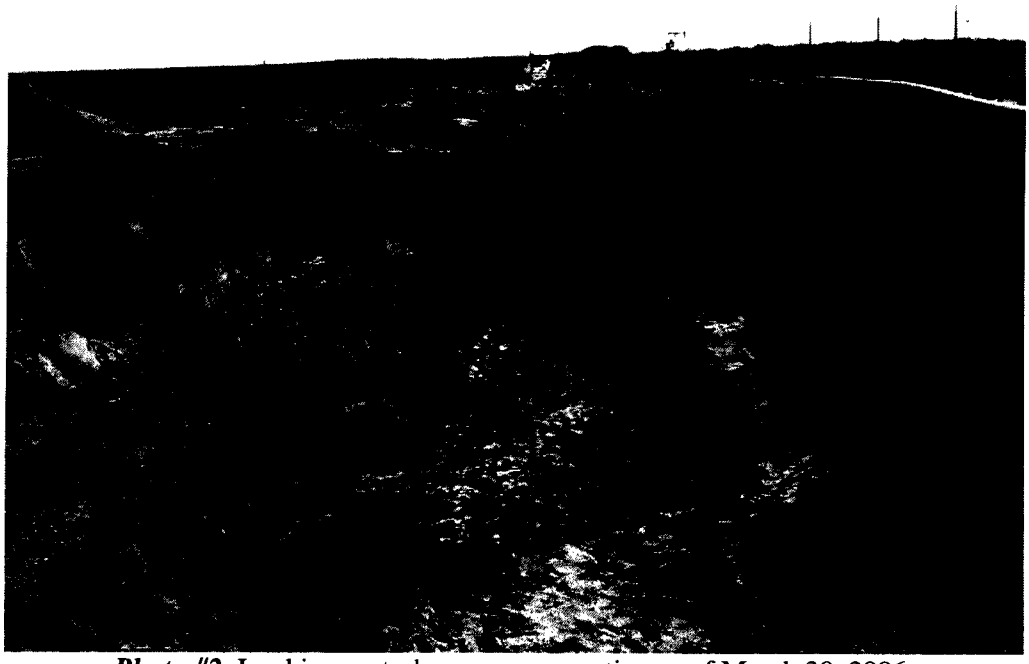

Photo #2: Looking easterly across excavation as of March 30, 2006.

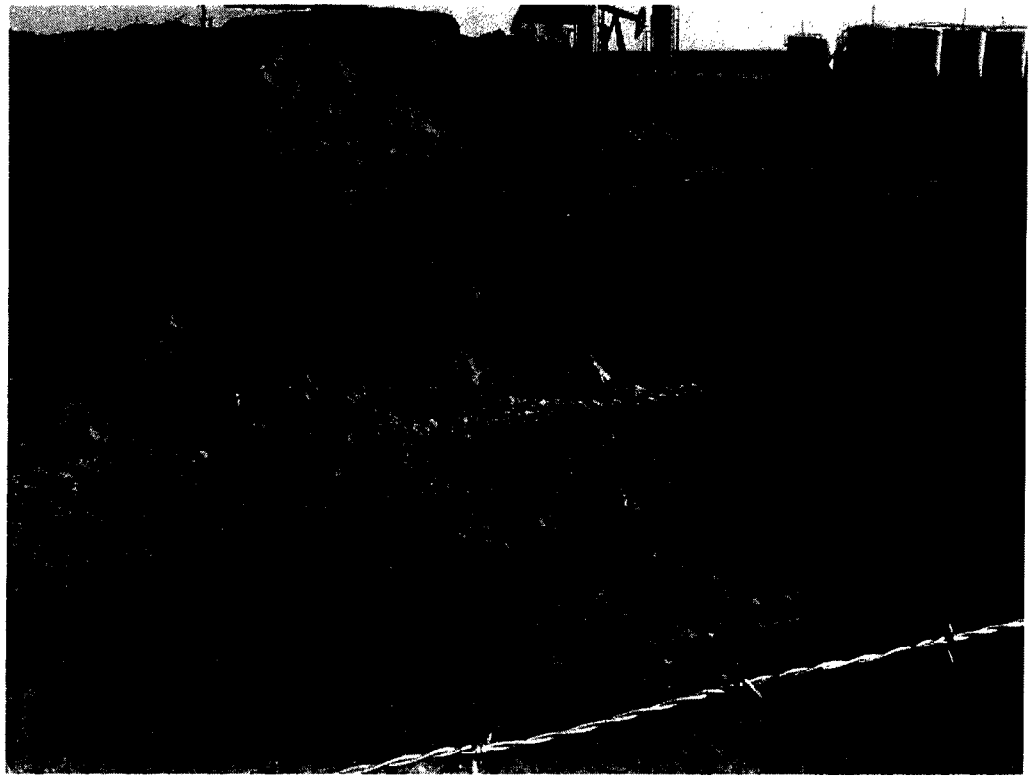

Photo #3: Looking southerly across excavation as of March 30, 2006.

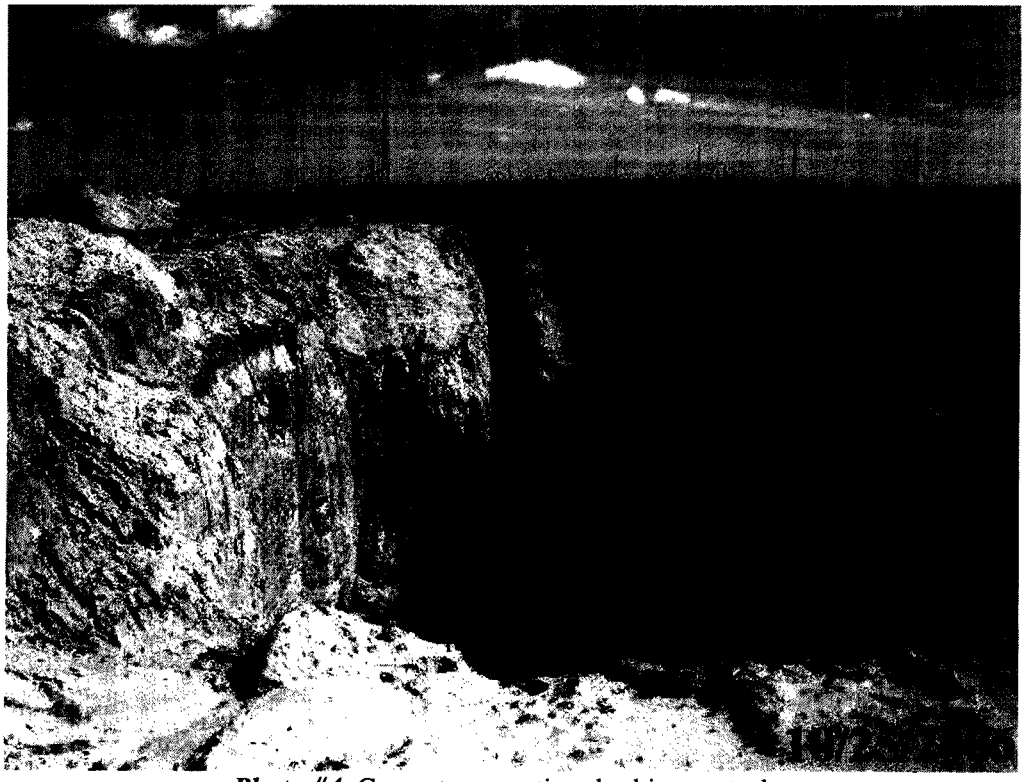

Photo #4: Current excavation, looking easterly.

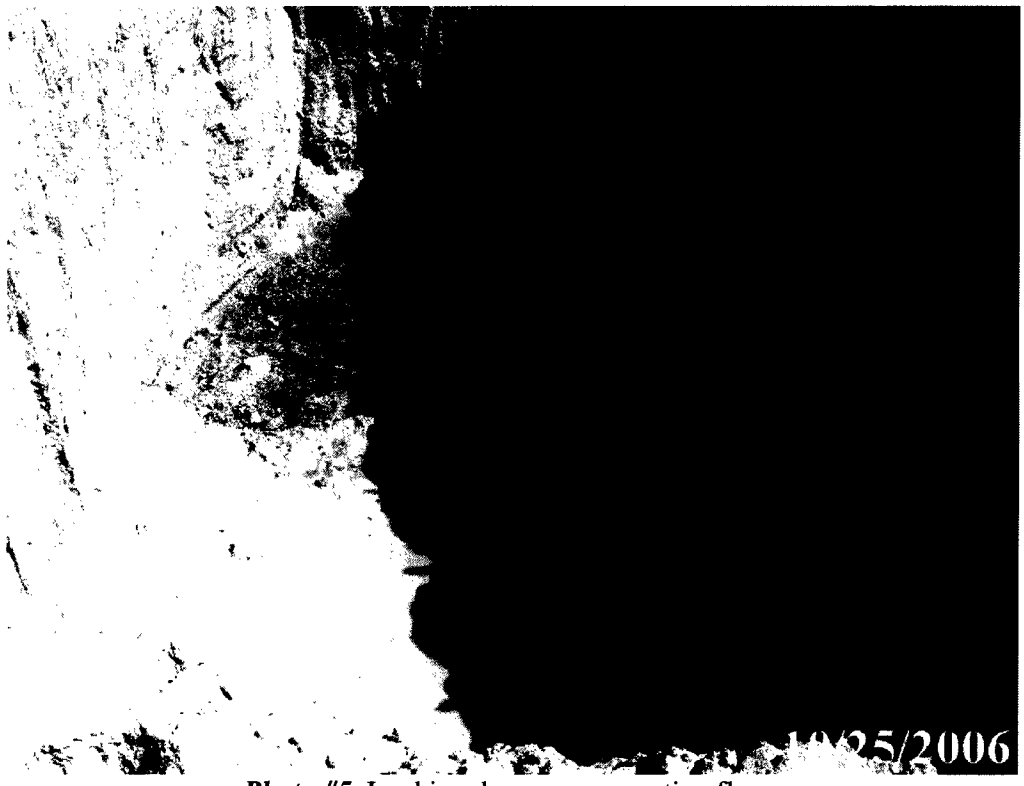

Photo #5: Looking down on excavation floor.

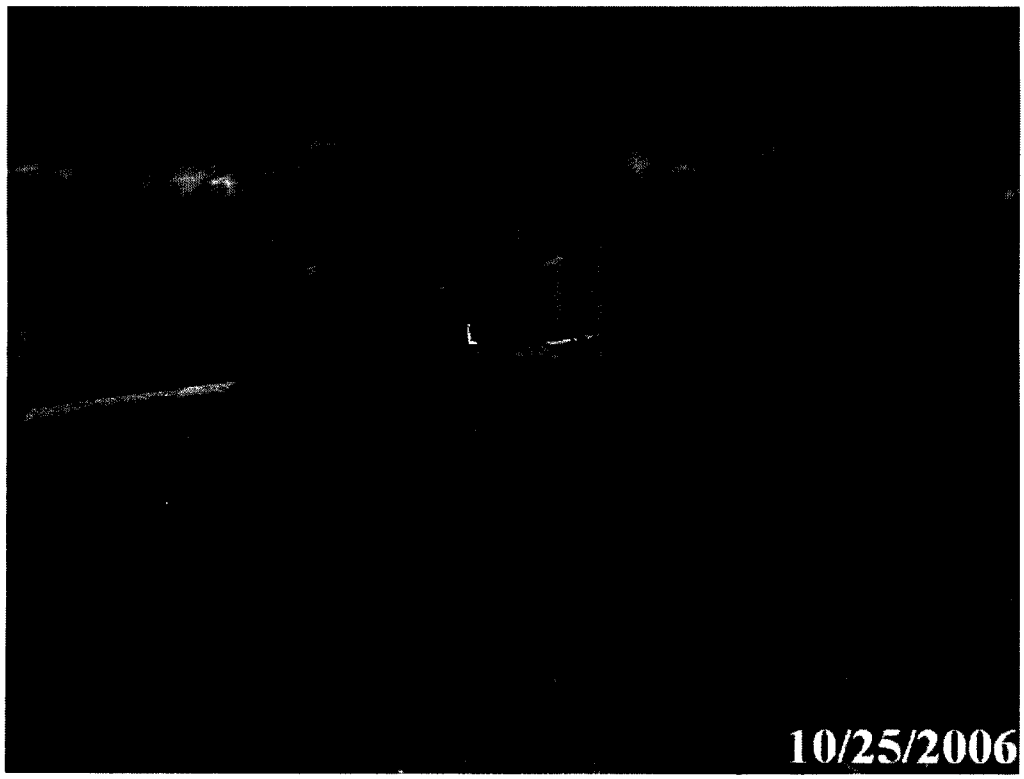

Photo #6: Looking easterly at shredded/aerated soil.

APPENDIX III

INFORMATIONAL COPY OF INTIAL NMOCD C-141 FORM

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Duke Energy Field Services	**Contact:** Lynn Ward
Address: 10 Desta Drive, Suite 400-W	**Telephone No.:** (432) 620-4207
Facility Name: C-23-10 Line - Leak #10	**Facility Type:** Natural Gas Pipeline

Surface Owner: Aline Sims	**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
A	14	20S	35E					Lea

Latitude: N 32° 34' 39.03" **Longitude:** W 103° 25' 31.23"

NATURE OF RELEASE

Type of Release: Natural Gas	**Volume of Release:** unknown	**Volume Recovered:** none
Source of Release: Pipeline	**Date and Hour of Occurrence:** unknown	**Date and Hour of Discovery:** January 13, 2006
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Larry Johnson, NMOCD	
By Whom? Lynn Ward	**Date and Hour:** January 13, 2006 @ 11:59 A.M.	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse:** Not Applicable	

If a Watercourse was Impacted, Describe Fully.* Not Applicable

Describe Cause of Problem and Remedial Action Taken.* An unknown amount of natural gas was released as the result of the structural integrity of the natural gas line failing when the pressure was increased on the line, with no amount recovered from the site. The line was shut in and is scheduled to be replaced.

Describe Area Affected and Cleanup Action Taken.* Approximately 1,600 square-feet of surface area was impacted by the release. Remediation of the site will be in accordance with NMOCD guidelines.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Lynn Ward	**Approved by District Supervisor:**	
Title: Environmental Specialist-Western Division	**Approval Date:**	**Expiration Date:**
E-mail Address: lcward@duke-energy.com	**Conditions of Approval:**	**Attached** ☐
Date: **Phone:** (432) 620-4207		

*** Attach Additional Sheets If Necessary**

RP#422

LETTER OF TRANSMITTAL

ENVIRONMENTAL PLUS, INC.

Date:	November 21, 2006
To:	**Larry Johnson**
Company Name:	New Mexico Oil Conservation Division
Address:	1625 N. French Drive
City / State / Zip:	Hobbs, New Mexico 88240
From:	Jason Stegemoller
CC:	Lynn Ward, DEFS – Midland, TX; Steve Weathers, DEFS – Denver, CO; Patrick Sims, Landowner – Eunice, NM
Project #:	**1RP# 422**; DEFS/EPI Ref: 130044-10
Project Name:	C-23-10 Line Site #10
Subject:	**Closure Proposal**

# of originals	# of copies	Description
	1	DEFS – C-23-10 Line Site #10 Closure Proposal

Remarks

Sincerely,

Environmental Plus, Inc.

Jason Stegemoller
Environmental Scientist

P. O. Box 1558
Eunice, NM 88240
(505) 394-3481
Fax: (505) 394-2601