

FINAL CLOSURE REPORT

PAPAGAYO FEDERAL #1

EPI REF: #160049

NMOCD: 1RP#808

NMOCD ADMIN: #PPAC0609634261

UL-M (SW¼ OF THE SW¼) OF SECTION 27, T. 23 S, R 34 E

~20 MILES NORTHWEST OF JAL,

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 16' 12.55"

LONGITUDE: W 103° 27' 51.63"

JUNE 2007

PREPARED BY:

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

PREPARED FOR:


Chesapeake





Distribution List

Site Closure Report

Papagayo Federal #1 Oil Unit Tank Battery

NMOCD Ref. 1RP#808: EPI Ref. #160049

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STANDARD OF CARE

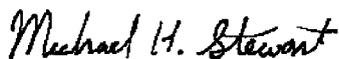
Site Closure Report

Papagayo Federal #1

NMOCD Ref. 1RP808: EPI Ref. #160049

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.

This report was prepared by:

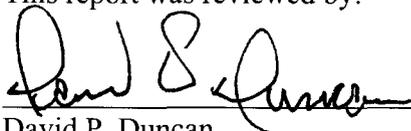


Michael H. Stewart, P.E., C.P.G.
Geological Engineer

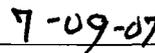


Date

This report was reviewed by:



David P. Duncan
Civil Engineer



Date



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1.0 PROJECT SYNOPSIS

Site Specific:

- ◆ **Company Name:** Chesapeake Operating, Inc.
- ◆ **Facility Name:** Papagayo Federal #1 Oil Unit Tank Battery
- ◆ **Project Reference:** NMOCD Ref. 1RP #808; EPI Ref. #160049
- ◆ **Company Contacts:** Bradley Blevins
- ◆ **Site Location:** WGS84 N32° 16' 12.55"; W103° 27' 51.63"
- ◆ **Legal Description:** Unit Letter-M, (SW¼ of the SW¼), Section 27, T 23 S, R 34 E
- ◆ **General Description:** Approximately 20-miles northwest of Jal, New Mexico
- ◆ **Elevation:** 3,472-ft amsl
- ◆ **Land Ownership:** U.S. Department of the Interior - Bureau of Land Management
- ◆ **EPI Personnel:** Project Consultant – David P. Duncan
Site Foreman – Kirt Tyree
Danny Deaton

Release Specific:

- ◆ **Product Released:** Crude oil and produced water
- ◆ **Volume Released:** >5.0 bbls
- ◆ **Time of Occurrence:** Historical
- ◆ **Release Source:** Various sources
- ◆ **Initial Surface Area Affected:** Release Area ~ 900-ft²; Overspray Area - none
- ◆ **Volume Recovered:** Zero (0)
- ◆ **Time of Discovery:** January 2, 2006

Remediation Specific:

- ◆ **Final Vertical extent of contamination:** >13.5-feet bgs
- ◆ **Water wells within 1,000-ft:** None
- ◆ **Private domestic water sources within 200-ft:** None
- ◆ **Depth to Groundwater:** >100 ft bgs
- ◆ **Surface water bodies within 1,000-ft:** None
- ◆ **NMOCD Site Ranking Index:** Zero (0) points (>100-ft to top of water table)
- ◆ **Remedial goals for Soil:** TPH – 5,000 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) Excavation of contaminated soil above NMOCD remedial goals with repository at a disposal facility; b) laboratory analyses confirmed removal of impacted soil above NMOCD remedial threshold goals; c) backfilled excavation with caliche to original ground surface; d) graded area to a smooth, level surface allowing natural drainage
- ◆ **Disposal Facility:** Sundance Services, Inc., Eunice, New Mexico
- ◆ **Volume disposed:** ~ 1,016-yd³
- ◆ **Project Completion Date:** June 3, 2006



2.0 SITE AND RELEASE INFORMATION

2.1 *Describe the land use and pertinent geographic features within 1,000 feet of the site.*

The release site is located within the confines of an established oil field. Surrounding land is used for grazing purposes

2.2 *Identify and describe the source or suspected source(s) of the release.*

Historical releases within a bulk storage tank area, around heater treater and overland to the northeast. Limited excavation around well head.

2.3 *What was the volume of the release? (if known):* >5-bbls

2.4 *What was the volume recovered? (if known):* No hydrocarbon liquids recovered

2.5 *When did the release occur? (if known):* Historical releases

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), Plate 1, shows that the release site is outside of the boundaries of the saturated Tertiary and Quaternary rocks (High Plains Aquifer). Plate 1 shows the top of the Dockum Formation (redbeds) at approximately 3,400 feet, resulting in a thin veneer (~70 feet) of Tertiary and recent deposits.

Nelson and Clebsch show the potentiometric surface of water in the Triassic aquifers (redbeds) at 3100 feet or approximately 470 feet bgs. The redbeds are generally dominated by shales and siltstones so the uppermost groundwater beneath the release site would thus either be present in the low-permeability materials or hydraulically isolated from surface interactions.

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, annual and perennial 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 groundwater potentiometric surface at this site is projected to be a minimum of 250 feet bgs based on water depth data obtained from the New Mexico State Engineers Office and United States Geological Survey data base (reference *Table 1*).

2.9 *Area Water Wells*

No public water supply wells exist within 1-mile of the release site. Similarly, no private, domestic fresh water wells or springs used by less than five (5) households for domestic or stock watering purposes exist within 200-feet of the release site (reference *Figure 2* and *Table 1*).

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 that the chemical parameters of the soil were 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 distance of the site from protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is Zero (0) 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		>1,000 horizontal feet: 0 points	
Site Rank (1+2+3) = 0 + 0 + 0 = 0 points			
Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Site Ranking	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 23 through June 3, 2006

Total volume removed: ~ 1,016 cubic yards

4.2 Indicated soil treatment type:

<input checked="" type="checkbox"/>	Disposal
<input type="checkbox"/>	Land Treatment
<input type="checkbox"/>	Composting/Biopiling
<input type="checkbox"/>	Other ()

Name and location of treatment/disposal facility:
Sundance Services, Inc., Lea County, Eunice, 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 ~70° 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 detection of benzene vapors.

Chloride Concentrations – A LaMotte Chloride Test Kit (Titration Method) was utilized for field analyses of chloride concentrations.

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

Initial soil samples were collected January 31, 2006 during the advancement of soil boring SB-1 utilizing a hollow core drill (reference *Figure 3*). Initial soil samples were collected from 2-3, 5-6 and 10-11 feet below ground surface (bgs) (reference *Table 1*).

Three (3) separate excavation episodes were completed on April 3, 2006, April 12, 2006 and May 22, 2006. During excavation of impacted soil from the release site, soil samples were collected from bottom and sidewalls excavation at different locales and depths to characterize materials for disposal. Soil samples were analyzed in the field for organic vapor and chloride concentrations. Excavation of impacted soil continued until organic vapor concentrations were below 100 parts per million (ppm) (reference *Table 2*).

Verification soil samples were then collected. A portion of each verification soil sample was immediately put into an approved sample container, labeled and placed on ice for submittal to an independent laboratory under standard Chain-of-Custody protocol for quantification of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and total xylenes (BTEX), chloride and/or sulfate concentrations. Remaining portions of each verification soil sample were analyzed in the field for chloride and organic vapor concentrations utilizing methods described in Section 5.0, *Sampling Information*, Article 5.1.

5.3 *Discuss sample locations and provide rationale for their locations.*

On January 31, 2006 boring BH-1 was advanced to a total depth (TD) of 13.5-feet bgs. The locale was chosen near the apparent maximum surface impact in the release area in order to delineate the vertical extent of impacted soils (reference *Figure 3*).

From April 3, 2006 through May 22, 2006 the affected area was excavated for removal of visibly impacted soils. Impacted soil was temporarily stockpiled “on-site” for transportation to a state approved disposal facility. During the removal activities, soil samples were collected from the bottom and sidewalls of the excavation. Locales and depth of the sample points were determined from visual inspection of the soil and assisted by field analyses of chloride and organic vapor concentrations. Laboratory analytical results were used to verify removal of soil impacted above NMOCD remedial threshold limits.

FIGURES

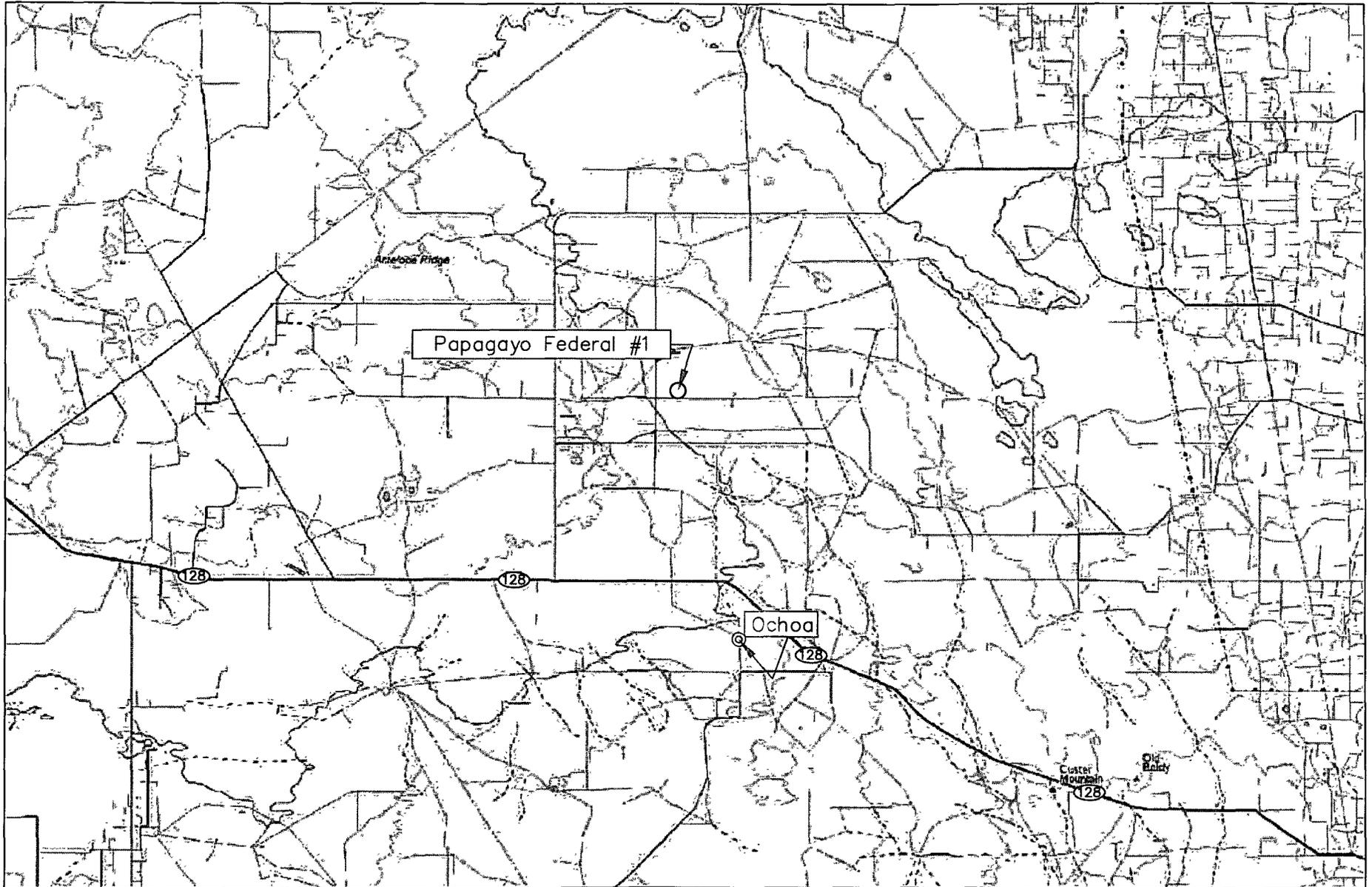
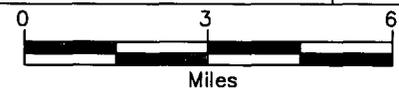


Figure 1
 Area Map
 Chesapeake Energy
 Papagayo Federal #1

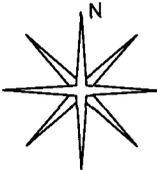
Lea County, New Mexico
 SW 1/4 of the SW 1/4, Sec. 27, T23S, R34E
 N 32° 16' 12.55" W 103° 27' 51.63"
 Elevation: 3,472 feet amsl

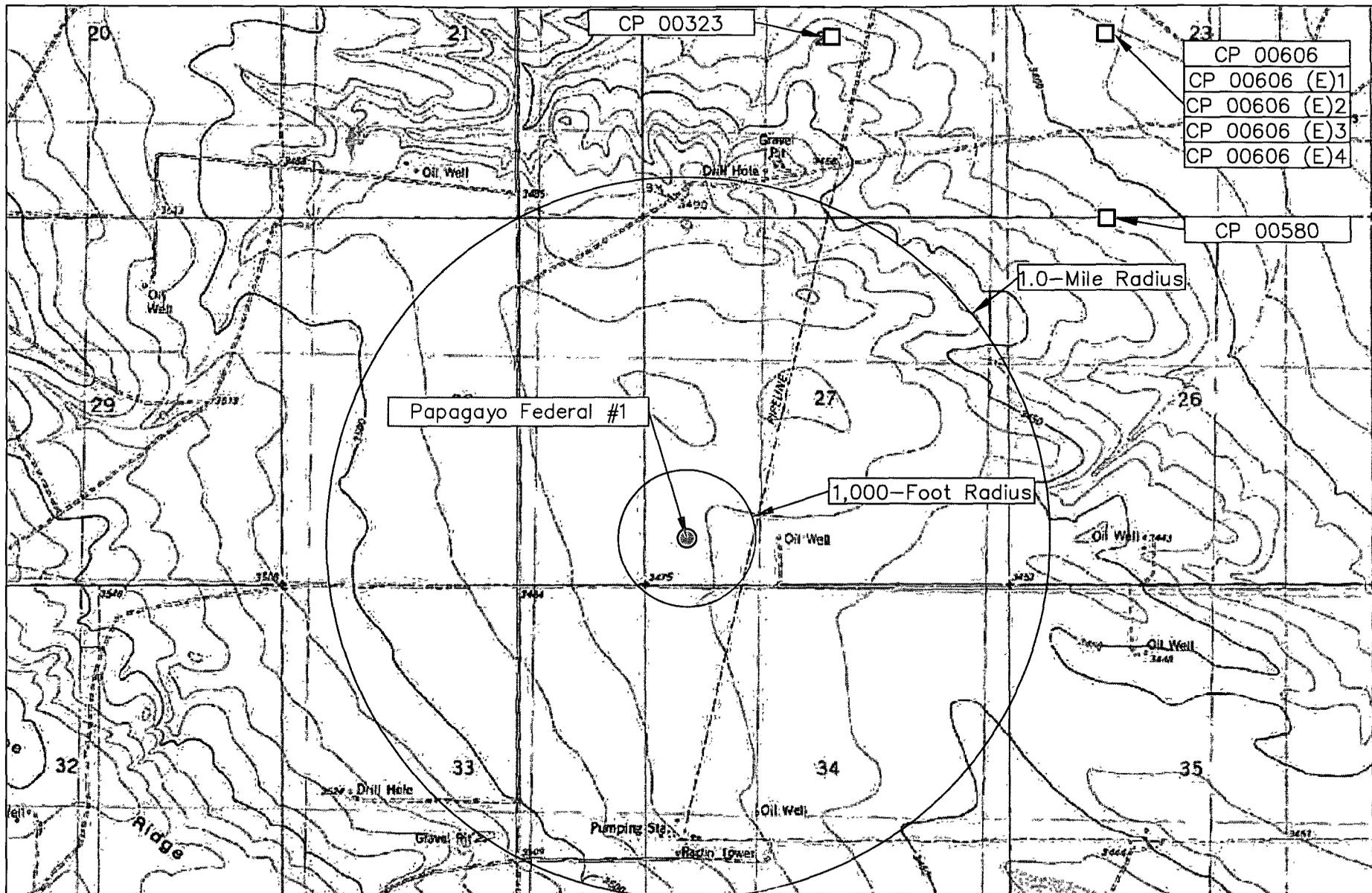
DWG By: Daniel Dominguez
 January 2006

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CP 00606
CP 00606 (E)1
CP 00606 (E)2
CP 00606 (E)3
CP 00606 (E)4

Papagayo Federal #1

1,000-Foot Radius

1.0-Mile Radius

CP 00580

<p>Figure 2 Site Location Map Chesapeake Energy Papagayo Federal #1</p>	<p>Lea County, New Mexico SW 1/4 of the SW 1/4, Sec. 27, T23S, R34E N 32° 16' 12.55" W 103° 27' 51.63" Elevation: 3,472 feet amsl</p>	<p>DWG By: Daniel Dominguez January 2006</p>	<p>REVISED:</p>	
		<p>0 2,000 4,000 Feet</p>		

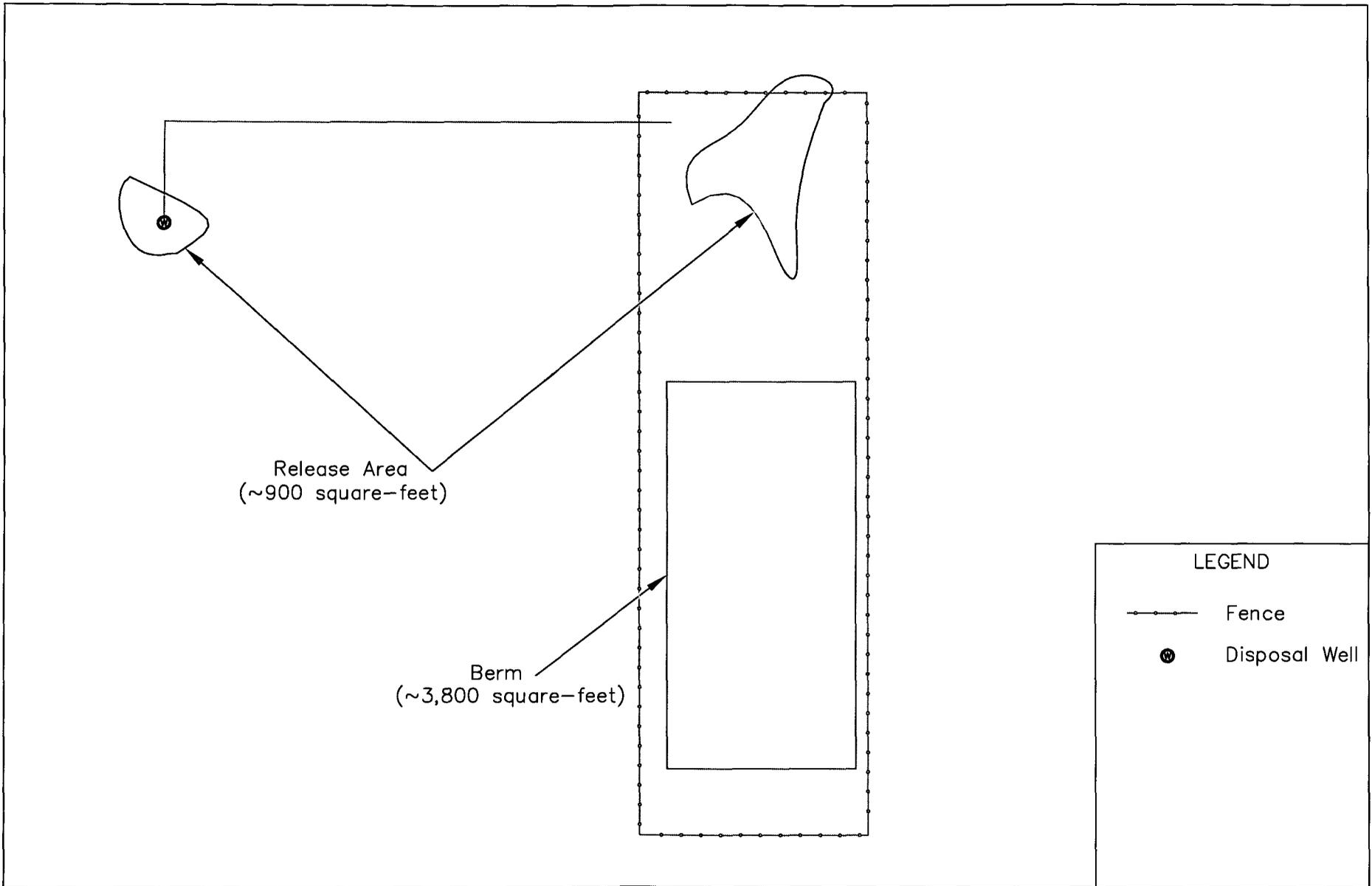
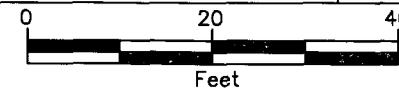


Figure 3
Site Map
Chesapeake Energy
Papagayo Federal #1

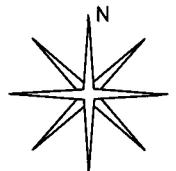
Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 27, T23S, R34E
N 32° 16' 12.55" W 103° 27' 51.63"
Elevation: 3,472 feet amsl

DWG By: Daniel Dominguez
January 2006

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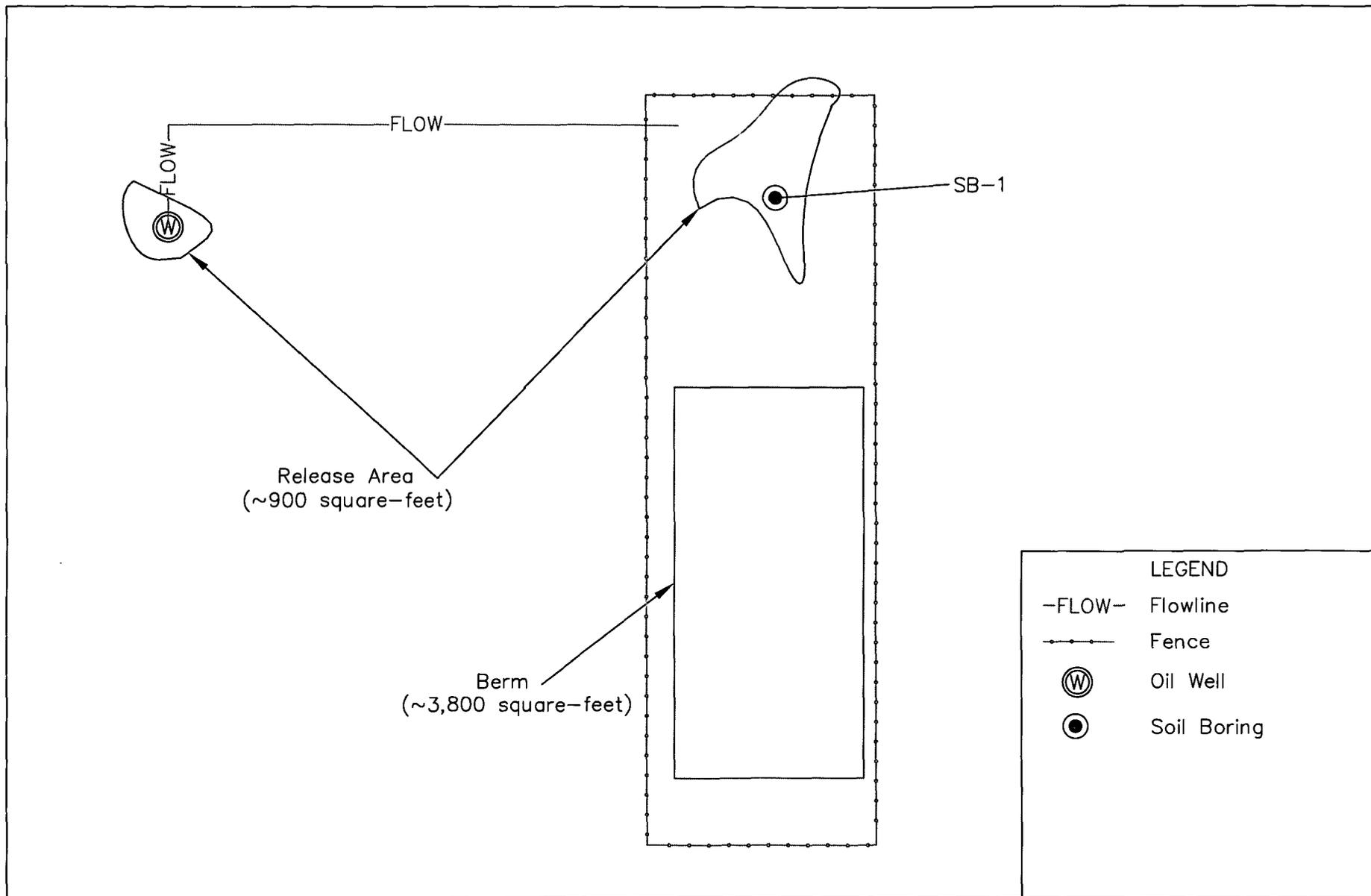
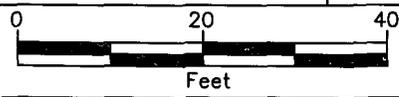


Figure 4
 Soil Boring Location Map
 Chesapeake Energy
 Papagayo Federal #1

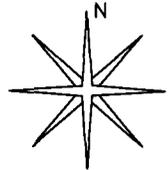
Lea County, New Mexico
 SW 1/4 of the SW 1/4, Sec. 27, T23S, R34E
 N 32° 16' 12.55" W 103° 27' 51.63"
 Elevation: 3,472 feet amsl

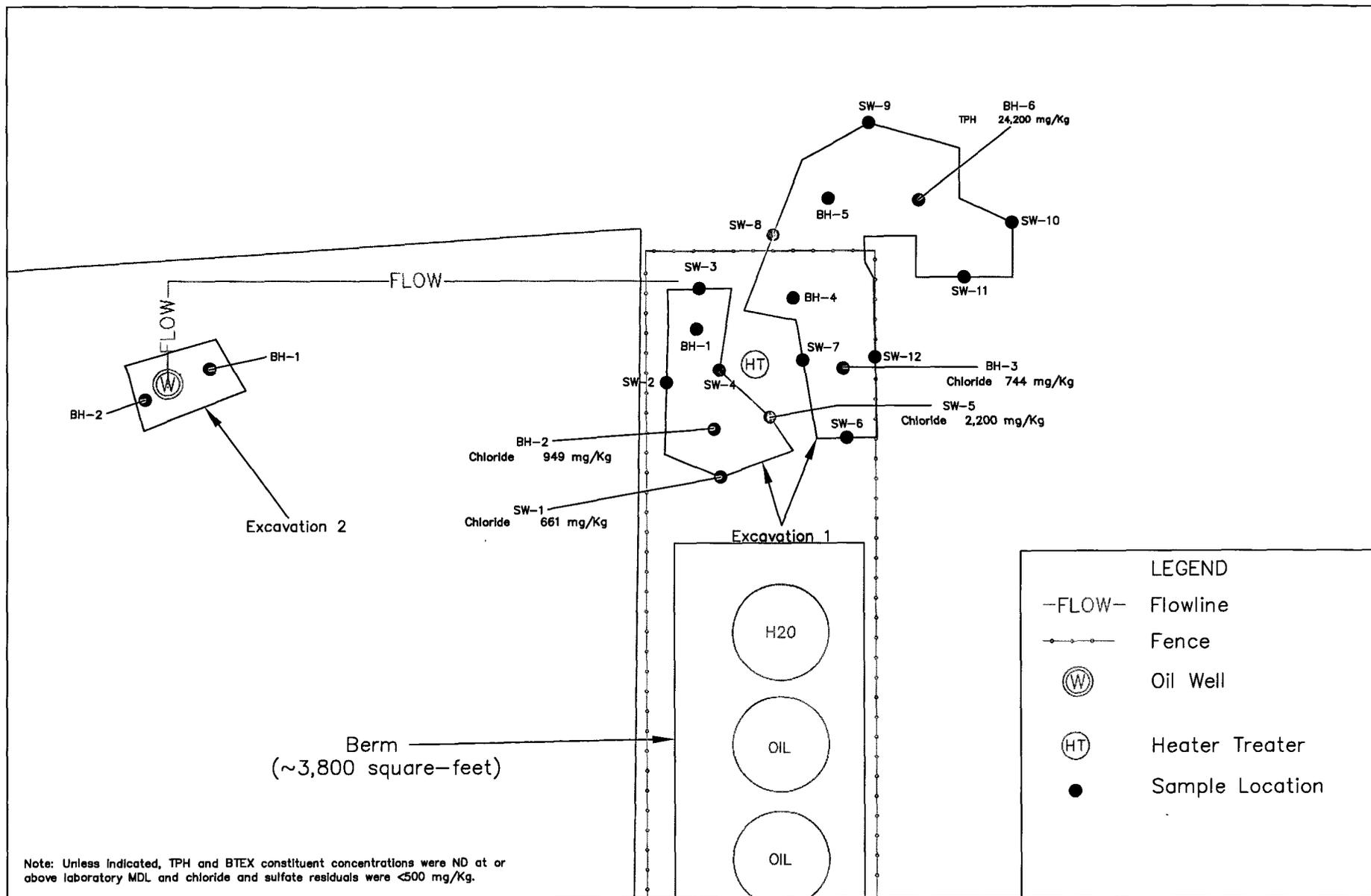
DWG By: Daniel Dominguez
 January 2006

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 JCS, Feb. 2006



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Note: Unless indicated, TPH and BTEX constituent concentrations were ND at or above laboratory MDL and chloride and sulfate residuals were <500 mg/Kg.

LEGEND

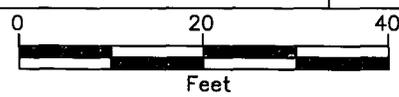
- FLOW-- Flowline
- - - - - Fence
- (W) Oil Well
- (HT) Heater Treater
- Sample Location

Figure 5
 April 3, 2006 Excavation Sample Map
 Chesapeake Energy
 Papagayo Federal #1

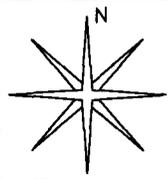
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 Elevation: 3,472 feet amsl

DWG By: Jason Stegemoller
 May 2006

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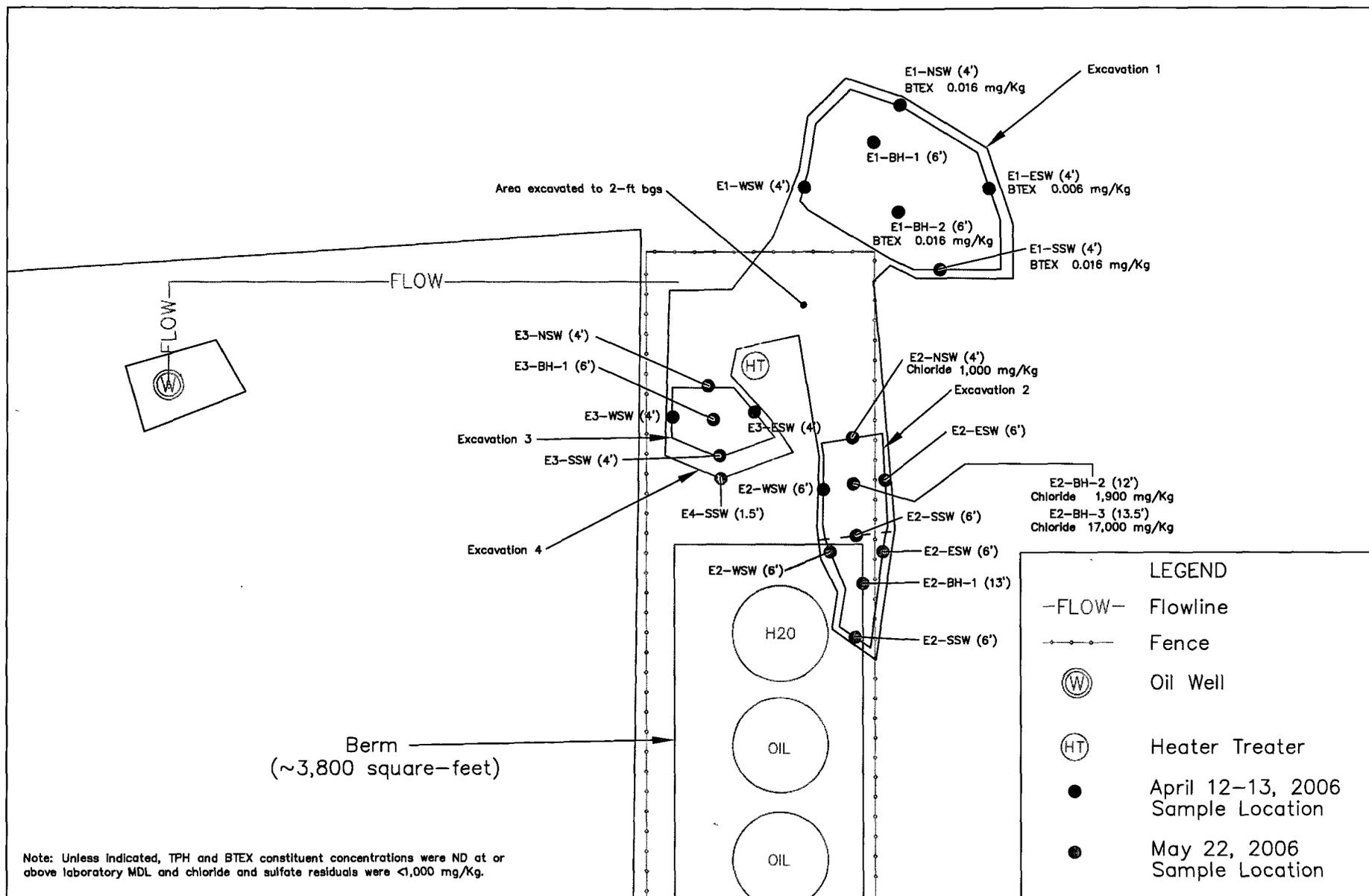
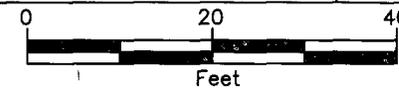


Figure 6
 April 12-13 and May 22, 2006
 Excavation Sample Map
 Chesapeake Energy
 Papagayo Federal #1

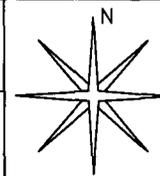
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 N 32° 16' 12.55" W 103° 27' 51.63"
 Elevation: 3,472 feet amsl

DWG By: Jason Stegemoller
 May 2006

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TABLES

TABLE 1

Well Data

Chesapeake Energy - Papagayo Federal #1 (Ref. # 160049)

Well Number	Diversion ^A	Owner	Use	Twp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water
											(ft bgs)
CP 00323 EXP	0	SHELL OIL COMPANY	PRO	23S	34E	22 2 3	N32° 17' 24.05"	W103° 27' 26.74"		3,445	
CP 00580	0	INC. NATOMAS NORTH AMERICA	PRO	23S	34E	23 3 4 3	N32° 16' 57.94"	W103° 26' 40.59"	09-Feb-79	3,417	
CP 00606	0	INC. NATOMAS NORTH AMERICA	PRO	23S	34E	23 1 4	N32° 17' 24.04"	W103° 26' 40.60"	26-Jul-79	3,396	265
CP 00606 (E) 1 EXP	ERROR	NATOMAS NORTH AMERICA	PRO	23S	34E	23 1 4	N32° 17' 24.04"	W103° 26' 40.60"			
CP 00606 (E) 2 EXP	ERROR	INC. NATOMAS NORTH AMERICA	PRO	23S	34E	23 1 4	N32° 17' 24.04"	W103° 26' 40.60"			
CP 00606 (E) 3 EXP	ERROR	INC. NATOMAS NORTH AMERICA	PRO	23S	34E	23 1 4	N32° 17' 24.04"	W103° 26' 40.60"			
CP 00606 (E) 4 EXP	ERROR	APACHE CORPORATION	PRO	23S	34E	23 1 4	N32° 17' 24.04"	W103° 26' 40.60"			

Data obtained from the New Mexico Office of the State Engineer Website (http://waters.ose.state.nm.us:7001/WATERS/wr_RegisServlet1) and USGS Database

^A = In acre feet per annum

^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

Shaded area indicates wells not shown in Figure 2

TABLE 2

Summary of Soil Boring Analytical Results

Chesapeake- Papagayo Fed. No. 1 (Ref. #160049)

Soil Boring	Soil Sample I.D.	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride Analyses (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)	Sulfate (mg/Kg)
SB-1	SB-1 2'-3'	2-3	31-Jan-06	In Situ	0.5	640	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	1,060	58.7
	SB-1 5'-6'	5-6	31-Jan-06	In Situ	0.5	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	39.2	25
	SB-1 10'-11'	10-11	31-Jan-06	In Situ	0.6	160	--	--	--	--	--	--	--	--	34.6	34.6
NMOCD Remedial Thresholds					100		10				50			5,000	250^B	600^B

Bolded values are in excess of the NMOCD Remediation Thresholds and/or NMWQCC groundwater standards

-- = Not Analyzed

^A Detected below laboratory method detection limits, therefore an estimate

^B Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 ppm and 600 ppm, respectively

TABLE 3

Summary of Excavation Soil Sample Analytical Results

Chesapeake- Papagayo Fed. No. 1 (Ref. #160049)

Soil Sample I.D.	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride Analyses (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	C ₂₉ -C ₃₅ Range Organics (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)	Sulfate (mg/Kg)
E1-BH-1 (2')	2	03-Apr-06	Excavated	8.7	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	143	30.1
E1-BH-2 (2')	2	03-Apr-06	Excavated	21.4	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	949	4.4
E1-BH-3 (2')	2	03-Apr-06	Excavated	19.4	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	744	38.6
E1-BH-4 (2')	2	03-Apr-06	Excavated	8.9	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	12.7	21.7
E1-BH-5 (2')	2	03-Apr-06	Excavated	18.9	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	10.7	12.9
E1-BH-6 (2')	2	03-Apr-06	Excavated	1510	--	0.796	2.09	2.31	11.55	16.746	6,740	16,100	1,400	24,200	239	25.5
E1-SW-1 (1')	1	03-Apr-06	Excavated	19.6	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	661	68.4
E1-SW-2 (1')	1	03-Apr-06	Excavated	26.8	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	59.6	33.0
E1-SW-3 (1')	1	03-Apr-06	Excavated	24.5	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	84.3	43.9
E1-SW-4 (1')	1	03-Apr-06	Excavated	24.1	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	66.4	21.6
E1-SW-5 (1')	1	03-Apr-06	Excavated	16.8	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	2,200	7.94
E1-SW-6 (1')	1	03-Apr-06	Excavated	11.5	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	149	20.8
E1-SW-7 (1')	1	03-Apr-06	Excavated	34.8	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	11.9	16.1
E1-SW-8 (1')	1	03-Apr-06	Excavated	21.4	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	22.5	19.9
E1-SW-9 (1')	1	03-Apr-06	Excavated	16.6	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	17.1	18.8
E1-SW-10 (1')	1	03-Apr-06	Excavated	23.3	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	18.6	16.1
E1-SW-11 (1')	1	03-Apr-06	Excavated	19.3	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	6.46	12.8
E1-SW-12 (1')	1	03-Apr-06	Excavated	27.4	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	7.79	12.1
E2-BH-2 (1')	1	03-Apr-06	In Situ	28.7	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	28.1	13.5
E2-BH-2 (1')	1	03-Apr-06	In Situ	28.6	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10	<10	<10	<10	162	32.6
E1-BH-1 (6')	6	12-Apr-06	In Situ	0.0	480	<0.005	<0.005	<0.005	<0.010	<0.025	<10.0	<10.0	<10.0	<30.0	440	<50
E1-BH-2 (6')	6	12-Apr-06	In Situ	0.0	320	0.016	<0.005	<0.005	<0.010	0.016	<10.0	<10.0	<10.0	<30.0	57	<25
E1-SSW(4')	4	12-Apr-06	In Situ	0.0	240	0.009	<0.005	<0.005	<0.010	0.009	<10.0	<10.0	<10.0	<30.0	<10	<5.0
E1-ESW(4')	4	12-Apr-06	In Situ	0.0	160	0.006	<0.005	<0.005	<0.010	0.006	<10.0	<10.0	<10.0	<30.0	<10	32
E1-NSW (4')	4	12-Apr-06	In Situ	0.0	160	0.006	<0.005	<0.005	<0.010	0.006	<10.0	<10.0	<10.0	<30.0	<10	17
E1-WSW (4')	4	12-Apr-06	In Situ	0.0	320	<0.005	<0.005	<0.005	<0.010	<0.025	<10.0	<10.0	<10.0	<30.0	130	<25
E2-ESW (4')	4	12-Apr-06	In Situ	1.4	320	--	--	--	--	--	--	--	--	--	110	27
E2-NSW (4')	4	12-Apr-06	In Situ	0.0	720	--	--	--	--	--	--	--	--	--	1,000	<25
E2-WSW (4')	4	12-Apr-06	In Situ	0.0	320	--	--	--	--	--	--	--	--	--	140	<25
E2-SSW (5')	5	13-Apr-06	In Situ	0.0	2,640	--	--	--	--	--	--	--	--	--	2,900	--
E2-BH-2 (12')	12	13-Apr-06	Excavated	0.0	1,120	--	--	--	--	--	--	--	--	--	1,900	--
E2-BH-3 (13.5')	13.5	13-Apr-06	In Situ	0.0	4,000	--	--	--	--	--	--	--	--	--	17,000	--
E3-BH-1 (6')	4	12-Apr-06	In Situ	0.0	160	--	--	--	--	--	--	--	--	--	<10	24
E3-SSW (4')	4	12-Apr-06	In Situ	0.0	240	--	--	--	--	--	--	--	--	--	<10	12
E3-ESW (4')	4	12-Apr-06	In Situ	0.0	160	--	--	--	--	--	--	--	--	--	<10	13
E3-NSW (4')	4	12-Apr-06	In Situ	0.0	240	--	--	--	--	--	--	--	--	--	<10	<5.0
E3-WSW (4')	4	12-Apr-06	In Situ	1.3	240	--	--	--	--	--	--	--	--	--	10	13
E4-SSW (1.5')	1.5	12-Apr-06	In Situ	0.0	400	--	--	--	--	--	--	--	--	--	320	--
E2-BH-1 (13')	13	22-May-06	In Situ	0.0	400	<0.005	<0.005	<0.005	<0.010	<0.025	<10.0	<10.0	<20.0	<40.0	180	36
E2-ESW (6')	6	22-May-06	In Situ	0.0	400	<0.005	<0.005	<0.005	<0.010	<0.025	<10.0	<10.0	<20.0	<40.0	380	11
E2-WSW (6')	6	22-May-06	In Situ	0.0	560	<0.005	<0.005	<0.005	<0.010	<0.025	<10.0	<10.0	<20.0	<40.0	390	10
E2-SSW (6')	6	22-May-06	In Situ	0.0	320	<0.005	<0.005	<0.005	<0.010	<0.025	<10.0	<10.0	<20.0	<40.0	90	41
NMOCD Remedial Thresholds				100		10				50				5,000	250^B	600^B

Bolded values are in excess of the NMOCD Remediation Thresholds and/or NMWQCC groundwater standards

-- = Not Analyzed

^A Detected below laboratory method detection limits, therefore an estimate

^B Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 ppm and 600 ppm, respectively

APPENDICES

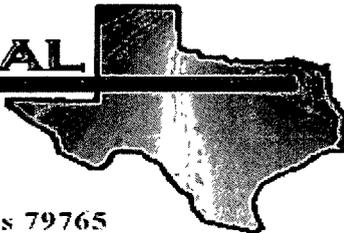
APPENDIX I

LABORATORY ANALYTICAL REPORTS

AND

CHAIN-OF-CUSTODY FORM

E NVIRONMENTAL
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: Chesapeake/ Papagayo Fed. #1

Project Number: 160049

Location: UL-M, Sect. 27, T 23 S, R 34 E

Lab Order Number: 6B03016

Report Date: 02/10/06

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

Project. Chesapeake/ Papagayo Fcd #1
Project Number 160049
Project Manager Iain Olness

Fax 505-394-2601

Reported:
02/10/06 17.48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 2'-3'	6B03016-01	Soil	02/02/06 11.15	02/03/06 11 40
SB-1 5'-6'	6B03016-02	Soil	02/02/06 11 20	02/03/06 11 40
SB-1 10'-11'	6B03016-03	Soil	02/02/06 11.30	02/03/06 11 40

Environmental Plus, Incorporated
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Project Chesapeake/ Papagayo Fed. #1
Project Number 160049
Project Manager Iain Olness

Fax 505-394-2601

Reported:
02/10/06 17 48

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2'-3' (6B03016-01) Soil									
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EB60610	02/06/06	02/08/06	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		77.0 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		71.8 %	70-130		"	"	"	"	
SB-1 5'-6' (6B03016-02) Soil									
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EB60610	02/06/06	02/08/06	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		79.2 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		73.8 %	70-130		"	"	"	"	

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Reported:
 02/10/06 17.48

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2'-3' (6B03016-01) Soil									
Chloride	1060	20.0	mg/kg	40	EB60803	02/06/06	02/08/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EB60703	02/06/06	02/07/06	% calculation	
Sulfate	58.7	20.0	mg/kg	40	EB60803	02/06/06	02/08/06	EPA 300.0	
SB-1 5'-6' (6B03016-02) Soil									
Chloride	39.2	5.00	mg/kg	10	EB60803	02/06/06	02/08/06	EPA 300.0	
% Moisture	3.3	0.1	%	1	EB60703	02/06/06	02/07/06	% calculation	
Sulfate	25.0	5.00	mg/kg	10	EB60803	02/06/06	02/08/06	EPA 300.0	
SB-1 10'-11' (6B03016-03) Soil									
Chloride	34.6	5.00	mg/kg	10	EB60804	02/06/06	02/09/06	EPA 300.0	

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Project Number 160049
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Reported:
02/10/06 17:48

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2'-3' (6B03016-01) Soil									
Benzene	ND	25.0	ug/kg dry	25	EB60819	02/08/06	02/10/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
<i>Surrogate Dibromofluoromethane</i>		119 %	70-139		"	"	"	"	
<i>Surrogate 1,2-Dichloroethane-d4</i>		109 %	52-149		"	"	"	"	
<i>Surrogate Toluene-d8</i>		98.4 %	76-125		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		105 %	66-145		"	"	"	"	
SB-1 5'-6' (6B03016-02) Soil									
Benzene	ND	25.0	ug/kg dry	25	EB60819	02/08/06	02/10/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
<i>Surrogate Dibromofluoromethane</i>		126 %	70-139		"	"	"	"	
<i>Surrogate 1,2-Dichloroethane-d4</i>		111 %	52-149		"	"	"	"	
<i>Surrogate Toluene-d8</i>		99.2 %	76-125		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		107 %	66-145		"	"	"	"	

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Project Number. 160049
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Reported:
02/10/06 17.48

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB60610 - Solvent Extraction (GC)

Blank (EB60610-BLK1)

Prepared 02/06/06 Analyzed 02/08/06

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate 1-Chlorooctane	44.9		mg/kg	50.0		89.8	70-130			
Surrogate 1-Chlorooctadecane	46.1		"	50.0		92.2	70-130			

LCS (EB60610-BS1)

Prepared. 02/06/06 Analyzed. 02/08/06

Gasoline Range Organics C6-C12	434	10.0	mg/kg wet	500		86.8	75-125			
Diesel Range Organics >C12-C35	507	10.0	"	500		101	75-125			
Total Hydrocarbon C6-C35	940	10.0	"	1000		94.0	75-125			
Surrogate 1-Chlorooctane	60.6		mg/kg	50.0		121	70-130			
Surrogate 1-Chlorooctadecane	49.4		"	50.0		98.8	70-130			

Calibration Check (EB60610-CCV1)

Prepared. 02/06/06 Analyzed 02/08/06

Gasoline Range Organics C6-C12	467		mg/kg	500		93.4	80-120			
Diesel Range Organics >C12-C35	515		"	500		103	80-120			
Total Hydrocarbon C6-C35	982		"	1000		98.2	80-120			
Surrogate 1-Chlorooctane	61.7		"	50.0		123	70-130			
Surrogate 1-Chlorooctadecane	51.1		"	50.0		102	70-130			

Matrix Spike (EB60610-MS1)

Source: 6B03015-08

Prepared. 02/06/06 Analyzed. 02/08/06

Gasoline Range Organics C6-C12	473	10.0	mg/kg dry	513	ND	92.2	75-125			
Diesel Range Organics >C12-C35	533	10.0	"	513	ND	104	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1030	ND	98.1	75-125			
Surrogate 1-Chlorooctane	59.7		mg/kg	50.0		119	70-130			
Surrogate 1-Chlorooctadecane	49.5		"	50.0		99.0	70-130			

Matrix Spike Dup (EB60610-MSD1)

Source: 6B03015-08

Prepared. 02/06/06 Analyzed 02/08/06

Gasoline Range Organics C6-C12	483	10.0	mg/kg dry	513	ND	94.2	75-125	2.09	20	
Diesel Range Organics >C12-C35	540	10.0	"	513	ND	105	75-125	1.30	20	
Total Hydrocarbon C6-C35	1020	10.0	"	1030	ND	99.0	75-125	0.985	20	
Surrogate 1-Chlorooctane	60.1		mg/kg	50.0		120	70-130			
Surrogate 1-Chlorooctadecane	49.4		"	50.0		98.8	70-130			

Environmental Lab of Texas

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

Page 5 of 10

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
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Batch EB60703 - General Preparation (Prep)

Blank (EB60703-BLK1)				Prepared 02/06/06 Analyzed 02/07/06						
% Solids	100		%							
Duplicate (EB60703-DUP1)				Source: 6B03010-01 Prepared 02/06/06 Analyzed 02/07/06						
% Solids	99.4		%		99.6			0.201	20	
Duplicate (EB60703-DUP2)				Source: 6B03015-09 Prepared: 02/06/06 Analyzed: 02/07/06						
% Solids	97.6		%		97.1			0.514	20	
Duplicate (EB60703-DUP3)				Source: 6B06002-12 Prepared: 02/06/06 Analyzed 02/07/06						
% Solids	92.7		%		92.7			0.00	20	

Batch EB60803 - Water Extraction

Blank (EB60803-BLK1)				Prepared 02/06/06 Analyzed 02/08/06						
Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	"							
LCS (EB60803-BS1)				Prepared: 02/06/06 Analyzed 02/08/06						
Chloride	8.66		mg/L	10.0		86.6	80-120			
Sulfate	9.80		"	10.0		98.0	80-120			
Calibration Check (EB60803-CCV1)				Prepared 02/06/06 Analyzed: 02/08/06						
Chloride	8.81		mg/L	10.0		88.1	80-120			
Sulfate	10.0		"	10.0		100	80-120			
Duplicate (EB60803-DUP1)				Source: 6B03015-01 Prepared: 02/06/06 Analyzed 02/08/06						
Chloride	69.5	20.0	mg/kg		74.0			6.27	20	
Sulfate	1390	20.0	"		1380			0.722	20	

Environmental Plus, Incorporated
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Project Number 160049
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Fax 505-394-2601

Reported:
02/10/06 17:48

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
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Batch EB60804.- Water Extraction

Blank (EB60804-BLK1)

Prepared 02/07/06 Analyzed 02/08/06

Chloride ND 0.500 mg/kg

LCS (EB60804-BS1)

Prepared 02/07/06 Analyzed 02/08/06

Chloride 8.78 mg/L 10.0 87.8 80-120

Calibration Check (EB60804-CCV1)

Prepared 02/07/06 Analyzed 02/08/06

Chloride 8.73 mg/L 10.0 87.3 80-120

Duplicate (EB60804-DUP1)

Source: 6B06002-08

Prepared 02/07/06 Analyzed 02/08/06

Chloride 39.0 5.00 mg/kg 43.8 11.6 20

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Reported:
02/10/06 17 48

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB60819 - EPA 5030C (GCMS)

Blank (EB60819-BLK1)

Prepared & Analyzed 02/08/06

Benzene	ND	25 0	ug/kg wet							
Toluene	ND	25 0	"							
Ethylbenzene	ND	25 0	"							
Xylene (p/m)	ND	25 0	"							
Xylene (o)	ND	25 0	"							
<i>Surrogate Dibromofluoromethane</i>	<i>56 0</i>		<i>ug/kg</i>	<i>50 0</i>		<i>112</i>	<i>70-139</i>			
<i>Surrogate 1,2-Dichloroethane-d4</i>	<i>51 1</i>		<i>"</i>	<i>50 0</i>		<i>102</i>	<i>52-149</i>			
<i>Surrogate Toluene-d8</i>	<i>49 2</i>		<i>"</i>	<i>50 0</i>		<i>98 4</i>	<i>76-125</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>50 6</i>		<i>"</i>	<i>50 0</i>		<i>101</i>	<i>66-145</i>			

LCS (EB60819-BS1)

Prepared & Analyzed 02/08/06

Benzene	1180	25 0	ug/kg wet	1250		94 4	70-130			
Toluene	1340	25 0	"	1250		107	70-130			
Ethylbenzene	1360	25 0	"	1250		109	70-130			
Xylene (p/m)	2810	25 0	"	2500		112	70-130			
Xylene (o)	1460	25 0	"	1250		117	70-130			
<i>Surrogate Dibromofluoromethane</i>	<i>58 0</i>		<i>ug/kg</i>	<i>50 0</i>		<i>116</i>	<i>70-139</i>			
<i>Surrogate 1,2-Dichloroethane-d4</i>	<i>54 2</i>		<i>"</i>	<i>50 0</i>		<i>108</i>	<i>52-149</i>			
<i>Surrogate Toluene-d8</i>	<i>50 3</i>		<i>"</i>	<i>50 0</i>		<i>101</i>	<i>76-125</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>49 7</i>		<i>"</i>	<i>50 0</i>		<i>99 4</i>	<i>66-145</i>			

Calibration Check (EB60819-CCV1)

Prepared & Analyzed 02/08/06

Toluene	58 1		ug/kg	50 0		116	70-130			
Ethylbenzene	56 7		"	50 0		113	70-130			
<i>Surrogate Dibromofluoromethane</i>	<i>57 0</i>		<i>"</i>	<i>50 0</i>		<i>114</i>	<i>70-139</i>			
<i>Surrogate 1,2-Dichloroethane-d4</i>	<i>53 6</i>		<i>"</i>	<i>50 0</i>		<i>107</i>	<i>52-149</i>			
<i>Surrogate Toluene-d8</i>	<i>49 7</i>		<i>"</i>	<i>50 0</i>		<i>99 4</i>	<i>76-125</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>51 8</i>		<i>"</i>	<i>50 0</i>		<i>104</i>	<i>66-145</i>			

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

Project. Chesapeake/ Papagayo Fed #1
Project Number 160049
Project Manager. Iain Olness

Fax. 505-394-2601

Reported:
02/10/06 17.48

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB60819 - EPA 5030C (GCMS)

Matrix Spike (EB60819-MS1)	Source: 6B03005-01			Prepared & Analyzed. 02/08/06						
Benzene	1210	25 0	ug/kg dry	1280	ND	94 5	70-130			
Toluene	1360	25 0	"	1280	ND	106	70-130			
Ethylbenzene	1350	25 0	"	1280	ND	105	70-130			
Xylene (p/m)	2870	25 0	"	2570	24 1	111	70-130			
Xylene (o)	1520	25 0	"	1280	ND	119	70-130			
<i>Surrogate Dibromofluoromethane</i>	<i>60 1</i>		<i>ug/kg</i>	<i>50 0</i>		<i>120</i>	<i>70-139</i>			
<i>Surrogate 1,2-Dichloroethane-d4</i>	<i>55 3</i>		<i>"</i>	<i>50 0</i>		<i>111</i>	<i>52-149</i>			
<i>Surrogate Toluene-d8</i>	<i>50 4</i>		<i>"</i>	<i>50 0</i>		<i>101</i>	<i>76-125</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>53 6</i>		<i>"</i>	<i>50 0</i>		<i>107</i>	<i>66-145</i>			

Matrix Spike Dup (EB60819-MSD1)	Source: 6B03005-01			Prepared & Analyzed. 02/08/06						
Benzene	1260	25 0	ug/kg dry	1280	ND	98 4	70-130	4 04	20	
Toluene	1410	25 0	"	1280	ND	110	70-130	3 70	20	
Ethylbenzene	1370	25 0	"	1280	ND	107	70-130	1 89	20	
Xylene (p/m)	2890	25 0	"	2570	24 1	112	70-130	0 897	20	
Xylene (o)	1530	25 0	"	1280	ND	120	70-130	0 837	20	
<i>Surrogate Dibromofluoromethane</i>	<i>61 8</i>		<i>ug/kg</i>	<i>50 0</i>		<i>124</i>	<i>70-139</i>			
<i>Surrogate 1,2-Dichloroethane-d4</i>	<i>55 2</i>		<i>"</i>	<i>50 0</i>		<i>110</i>	<i>52-149</i>			
<i>Surrogate Toluene-d8</i>	<i>50 8</i>		<i>"</i>	<i>50 0</i>		<i>102</i>	<i>76-125</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>50 9</i>		<i>"</i>	<i>50 0</i>		<i>102</i>	<i>66-145</i>			

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

Project. Chesapeake/ Papagayo Fed. #1
Project Number. 160049
Project Manager Iain Olness

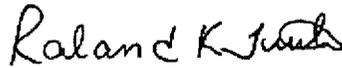
Fax 505-394-2601

Reported:
02/10/06 17 48

Notes and Definitions

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

Report Approved By:



Date:

2/10/2006

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.

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

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

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

Client: EPI

Date/Time: 2/3/06 11:40

Order #: 6803016

Initials: CK

Sample Receipt Checklist

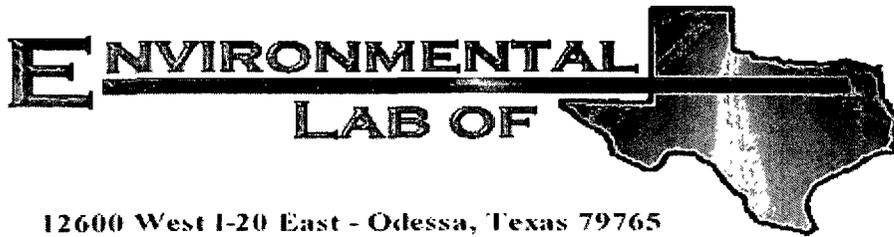
Temperature of container/cooler?	Yes	No	1.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No		
Container labels legible and intact?	<input checked="" type="checkbox"/>	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Chesapeake/ Papagayo Fed. #1

Project Number: 160049

Location: UL-M, Sect. 27, T 23 S, R 34 E

Lab Order Number: 6D04008

Report Date: 04/12/06

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

Project Chesapeake/ Papagayo Fed #1
Project Number 160049
Project Manager. Iain Olness

Fax 505-394-2601

Reported:
04/12/06 10 16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E1-BH-1 2'	6D04008-01	Soil	04/03/06 11.00	04/04/06 10 30
E1-BH-2 2'	6D04008-02	Soil	04/03/06 11.02	04/04/06 10:30
E1-BH-3 2'	6D04008-03	Soil	04/03/06 11:21	04/04/06 10.30
E1-BH-4 2'	6D04008-04	Soil	04/03/06 11.23	04/04/06 10.30
E1-BH-5 2'	6D04008-05	Soil	04/03/06 11:26	04/04/06 10.30
E1-BH-6 2'	6D04008-06	Soil	04/03/06 11 54	04/04/06 10 30
E1-SW-1 1'	6D04008-07	Soil	04/03/06 11.05	04/04/06 10 30
E1-SW-2 1'	6D04008-08	Soil	04/03/06 11.08	04/04/06 10.30
E1-SW-3 1'	6D04008-09	Soil	04/03/06 11 10	04/04/06 10 30
E1-SW-4 1'	6D04008-10	Soil	04/03/06 11.14	04/04/06 10 30
E1-SW-5 1'	6D04008-11	Soil	04/03/06 11.17	04/04/06 10.30
E1-SW-6 1'	6D04008-12	Soil	04/03/06 11.30	04/04/06 10.30
E1-SW-7 1'	6D04008-13	Soil	04/03/06 11 33	04/04/06 10.30
E1-SW-8 1'	6D04008-14	Soil	04/03/06 11.35	04/04/06 10 30
E1-SW-9 1'	6D04008-15	Soil	04/03/06 11.37	04/04/06 10 30
E1-SW-10 1'	6D04008-16	Soil	04/03/06 11 41	04/04/06 10.30
E1-SW-11 1'	6D04008-17	Soil	04/03/06 11.46	04/04/06 10.30
E1-SW-12 1'	6D04008-18	Soil	04/03/06 11 51	04/04/06 10.30
E2-BH-1 1'	6D04008-19	Soil	04/03/06 12.16	04/04/06 10 30
E2-BH-2 1'	6D04008-20	Soil	04/03/06 12 18	04/04/06 10.30

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-BH-1 2' (6D04008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60620	04/06/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		85.5 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		84.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/07/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		74.0 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		73.2 %	70-130		"	"	"	"	
E1-BH-2 2' (6D04008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		89.2 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		85.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		112 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		114 %	70-130		"	"	"	"	
E1-BH-3 2' (6D04008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		90.0 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		84.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	

Environmental Lab of Texas

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-BH-3 2' (6D04008-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		119 %	70-130		"	"	"	"	
Surrogate 1-Chlorooctadecane		117 %	70-130		"	"	"	"	
E1-BH-4 2' (6D04008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	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		86.8 %	80-120		"	"	"	"	
Surrogate 4-Bromofluorobenzene		87.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	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		125 %	70-130		"	"	"	"	
Surrogate 1-Chlorooctadecane		124 %	70-130		"	"	"	"	
E1-BH-5 2' (6D04008-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	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		87.2 %	80-120		"	"	"	"	
Surrogate 4-Bromofluorobenzene		92.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	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		92.4 %	70-130		"	"	"	"	
Surrogate 1-Chlorooctadecane		91.8 %	70-130		"	"	"	"	

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

Project Chesapeake/ Papagayo Fed. #1
Project Number 160049
Project Manager Iain Olness

Fax: 505-394-2601

Reported:
04/12/06 10.16

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-BH-6 2' (6D04008-06) Soil									
Benzene	0.796	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	2.09	0.0250	"	"	"	"	"	"	
Ethylbenzene	2.31	0.0250	"	"	"	"	"	"	
Xylene (p/m)	6.25	0.0250	"	"	"	"	"	"	
Xylene (o)	5.30	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		265 %	80-120		"	"	"	"	S-04
Surrogate 4-Bromofluorobenzene		332 %	80-120		"	"	"	"	S-04
Carbon Ranges C6-C12	6740	20.0	mg/kg dry	2	ED60512	04/05/06	04/06/06	EPA 8015M	
Carbon Ranges C12-C28	16100	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1400	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	24200	20.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		61.6 %	70-130		"	"	"	"	S-06
Surrogate 1-Chlorooctadecane		139 %	70-130		"	"	"	"	S-04
E1-SW-1 1' (6D04008-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		94.5 %	80-120		"	"	"	"	
Surrogate 4-Bromofluorobenzene		82.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	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		125 %	70-130		"	"	"	"	
Surrogate 1-Chlorooctadecane		123 %	70-130		"	"	"	"	
E1-SW-2 1' (6D04008-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	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		87.8 %	80-120		"	"	"	"	
Surrogate 4-Bromofluorobenzene		90.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	

Environmental Lab of Texas

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-2 1' (6D04008-08) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		116 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		118 %	70-130		"	"	"	"	
E1-SW-3 1' (6D04008-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		85.8 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		91.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		121 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		118 %	70-130		"	"	"	"	
E1-SW-4 1' (6D04008-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		85.0 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		83.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60512	04/05/06	04/06/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		117 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		116 %	70-130		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-5 1' (6D04008-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		88.5 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		85.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		113 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		114 %	70-130		"	"	"	"	
E1-SW-6 1' (6D04008-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/08/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		95.5 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		80.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		88.0 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		86.6 %	70-130		"	"	"	"	
E1-SW-7 1' (6D04008-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/08/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		98.8 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		84.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-7 1' (6D04008-13) Soil									
Carbon Ranges C12-C28	ND	10 0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		110 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		110 %	70-130		"	"	"	"	
E1-SW-8 1' (6D04008-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		93.8 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		81.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		82.4 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		84 0 %	70-130		"	"	"	"	
E1-SW-9 1' (6D04008-15) Soil									
Benzene	ND	0 0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		90.0 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		81.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		87 0 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		87.8 %	70-130		"	"	"	"	

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04/12/06 10 16

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-10 1' (6D04008-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		100 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		92.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		87.6 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		87.6 %	70-130		"	"	"	"	
E1-SW-11 1' (6D04008-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		94.5 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		90.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		84.2 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		82.6 %	70-130		"	"	"	"	
E1-SW-12 1' (6D04008-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		91.8 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		86.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-12 1' (6D04008-18) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		88.0 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		86.0 %	70-130		"	"	"	"	
E2-BH-1 1' (6D04008-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		92.0 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		92.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		107 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		105 %	70-130		"	"	"	"	
E2-BH-2 1' (6D04008-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED60711	04/07/06	04/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate a,a,a-Trifluorotoluene</i>		91.5 %	80-120		"	"	"	"	
<i>Surrogate 4-Bromofluorobenzene</i>		82.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60511	04/05/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate 1-Chlorooctane</i>		114 %	70-130		"	"	"	"	
<i>Surrogate 1-Chlorooctadecane</i>		114 %	70-130		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-BH-1 2' (6D04008-01) Soil									
Chloride	143	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	4.7	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	30.1	0.500	mg/kg	"	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-BH-2 2' (6D04008-02) Soil									
Chloride	949	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	3.9	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	4.40	0.500	mg/kg	"	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-BH-3 2' (6D04008-03) Soil									
Chloride	744	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	7.8	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	38.6	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-BH-4 2' (6D04008-04) Soil									
Chloride	12.7	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	4.0	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	21.7	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-BH-5 2' (6D04008-05) Soil									
Chloride	10.7	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	8.6	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	12.9	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-BH-6 2' (6D04008-06) Soil									
Chloride	239	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	10.5	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	25.5	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-1 1' (6D04008-07) Soil									
Chloride	661	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	3.5	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	68.4	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-2 1' (6D04008-08) Soil									
Chloride	59.6	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	4.3	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	33.0	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-3 1' (6D04008-09) Soil									
Chloride	84.3	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	6.3	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	43.9	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-4 1' (6D04008-10) Soil									
Chloride	66.4	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	2.3	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	21.6	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-5 1' (6D04008-11) Soil									
Chloride	2200	25.0	mg/kg	50	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	5.6	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	7.94	0.500	mg/kg	"	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-6 1' (6D04008-12) Soil									
Chloride	149	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	3.3	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	20.8	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-7 1' (6D04008-13) Soil									
Chloride	11.9	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	3.8	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	16.1	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-8 1' (6D04008-14) Soil									
Chloride	22.5	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	2.9	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	19.9	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E1-SW-9 1' (6D04008-15) Soil									
Chloride	17.1	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	8.7	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	18.8	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-10 1' (6D04008-16) Soil									
Chloride	18.6	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	7.4	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	16.1	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-11 1' (6D04008-17) Soil									
Chloride	6.46	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	6.7	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	12.8	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E1-SW-12 1' (6D04008-18) Soil									
Chloride	7.79	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	7.4	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	12.1	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E2-BH-1 1' (6D04008-19) Soil									
Chloride	28.1	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	8.0	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	13.5	5.00	mg/kg	10	ED60602	04/05/06	04/05/06	EPA 300.0	
E2-BH-2 1' (6D04008-20) Soil									
Chloride	162	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	
% Moisture	5.4	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	
Sulfate	32.6	10.0	mg/kg	20	ED60602	04/05/06	04/05/06	EPA 300.0	

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 ED60511 - Solvent Extraction (GC)										
Blank (ED60511-BLK1)										
Prepared & Analyzed 04/05/06										
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	42.6		mg/kg	50.0		85.2	70-130			
Surrogate 1-Chlorooctadecane	43.8		"	50.0		87.6	70-130			
LCS (ED60511-BS1)										
Prepared & Analyzed 04/05/06										
Carbon Ranges C6-C12	546	10.0	mg/kg wet	500		109	75-125			
Carbon Ranges C12-C28	543	10.0	"	500		109	75-125			
Total Hydrocarbon C6-C35	1090	10.0	"	1000		109	75-125			
Surrogate 1-Chlorooctane	56.5		mg/kg	50.0		113	70-130			
Surrogate 1-Chlorooctadecane	50.5		"	50.0		101	70-130			
Calibration Check (ED60511-CCV1)										
Prepared 04/05/06 Analyzed 04/06/06										
Carbon Ranges C6-C12	254		mg/kg	250		102	80-120			
Carbon Ranges C12-C28	293		"	250		117	80-120			
Total Hydrocarbon C6-C35	547		"	500		109	80-120			
Surrogate 1-Chlorooctane	52.1		"	50.0		104	70-130			
Surrogate 1-Chlorooctadecane	47.3		"	50.0		94.6	70-130			
Matrix Spike (ED60511-MS1)										
Source: 6D04008-11 Prepared & Analyzed 04/05/06										
Carbon Ranges C6-C12	555	10.0	mg/kg dry	530	ND	105	75-125			
Carbon Ranges C12-C28	539	10.0	"	530	ND	102	75-125			
Total Hydrocarbon C6-C35	1090	10.0	"	1060	ND	103	75-125			
Surrogate 1-Chlorooctane	55.2		mg/kg	50.0		110	70-130			
Surrogate 1-Chlorooctadecane	47.0		"	50.0		94.0	70-130			

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

Project. Chesapeake/ Papagayo Fed #1
 Project Number. 160049
 Project Manager Ian Olness

Fax 505-394-2601

Reported:
 04/12/06 10 16

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch ED60511 - Solvent Extraction (GC)

Matrix Spike Dup (ED60511-MSD1) Source: 6D04008-11 Prepared & Analyzed. 04/05/06

Carbon Ranges C6-C12	561	10 0	mg/kg dry	530	ND	106	75-125	1 08	20	
Carbon Ranges C12-C28	534	10 0	"	530	ND	101	75-125	0 932	20	
Total Hydrocarbon C6-C35	1100	10 0	"	1060	ND	104	75-125	0 913	20	
Surrogate 1-Chlorooctane	54 6		mg/kg	50 0		109	70-130			
Surrogate 1-Chlorooctadecane	46 7		"	50 0		93 4	70-130			

Batch ED60512 - Solvent Extraction (GC)

Blank (ED60512-BLK1) Prepared. 04/05/06 Analyzed. 04/06/06

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	61 5		mg/kg	50 0		123	70-130			
Surrogate 1-Chlorooctadecane	63 0		"	50 0		126	70-130			

LCS (ED60512-BS1) Prepared. 04/05/06 Analyzed 04/06/06

Carbon Ranges C6-C12	559	10 0	mg/kg wet	500		112	75-125			
Carbon Ranges C12-C28	542	10 0	"	500		108	75-125			
Total Hydrocarbon C6-C35	1100	10 0	"	1000		110	75-125			
Surrogate 1-Chlorooctane	57 4		mg/kg	50 0		115	70-130			
Surrogate 1-Chlorooctadecane	50 9		"	50 0		102	70-130			

Calibration Check (ED60512-CCV1) Prepared 04/05/06 Analyzed 04/07/06

Carbon Ranges C6-C12	267		mg/kg	250		107	80-120			
Carbon Ranges C12-C28	290		"	250		116	80-120			
Total Hydrocarbon C6-C35	557		"	500		111	80-120			
Surrogate 1-Chlorooctane	54 4		"	50 0		109	70-130			
Surrogate 1-Chlorooctadecane	50 5		"	50 0		101	70-130			

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Project. Chesapeake/ Papagayo Fed. #1
Project Number 160049
Project Manager. Iain Olness

Fax 505-394-2601

Reported:
04/12/06 10.16

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch ED60512 - Solvent Extraction (GC)

Matrix Spike (ED60512-MS1)	Source: 6D04008-10		Prepared. 04/05/06		Analyzed. 04/06/06					
Carbon Ranges C6-C12	540	10 0	mg/kg dry	512	ND	105	75-125			
Carbon Ranges C12-C28	583	10 0	"	512	ND	114	75-125			
Total Hydrocarbon C6-C35	1120	10 0	"	1020	ND	110	75-125			
Surrogate 1-Chlorooctane	51 6		mg/kg	50 0		103	70-130			
Surrogate 1-Chlorooctadecane	43 9		"	50 0		87 8	70-130			

Matrix Spike Dup (ED60512-MSD1)	Source: 6D04008-10		Prepared. 04/05/06		Analyzed. 04/06/06					
Carbon Ranges C6-C12	539	10 0	mg/kg dry	512	ND	105	75-125	0 185	20	
Carbon Ranges C12-C28	598	10 0	"	512	ND	117	75-125	2 54	20	
Total Hydrocarbon C6-C35	1140	10 0	"	1020	ND	112	75-125	1 77	20	
Surrogate 1-Chlorooctane	51 9		mg/kg	50 0		104	70-130			
Surrogate 1-Chlorooctadecane	43 0		"	50 0		86 0	70-130			

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			

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			

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

Project: Chesapeake/ Papagayo Fed #1
 Project Number: 160049
 Project Manager: Iain Olness

Fax 505-394-2601

Reported:
 04/12/06 10.16

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch ED60620 - EPA 5030C (GC)

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			

Batch ED60711 - EPA 5030C (GC)

Blank (ED60711-BLK1)

Prepared & Analyzed 04/07/06

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	33.8		ug/kg	40.0		84.5	80-120			
Surrogate 4-Bromofluorobenzene	32.7		"	40.0		81.8	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 ED60711 - EPA 5030C (GC)										
LCS (ED60711-BS1)				Prepared & Analyzed 04/07/06						
Benzene	0.0408	0.00100	mg/kg wct	0.0500		81.6	80-120			
Toluene	0.0406	0.00100	"	0.0500		81.2	80-120			
Ethylbenzene	0.0541	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.0944	0.00100	"	0.100		94.4	80-120			
Xylene (o)	0.0464	0.00100	"	0.0500		92.8	80-120			
Surrogate a,a,a-Trifluorotoluene	36.4		ug/kg	40.0		91.0	80-120			
Surrogate 4-Bromofluorobenzene	43.8		"	40.0		110	80-120			
Calibration Check (ED60711-CCV1)				Prepared 04/07/06 Analyzed 04/09/06						
Benzene	50.3		ug/kg	50.0		101	80-120			
Toluene	50.2		"	50.0		100	80-120			
Ethylbenzene	51.2		"	50.0		102	80-120			
Xylene (p/m)	102		"	100		102	80-120			
Xylene (o)	50.8		"	50.0		102	80-120			
Surrogate a,a,a-Trifluorotoluene	43.0		"	40.0		108	80-120			
Surrogate 4-Bromofluorobenzene	32.2		"	40.0		80.5	80-120			
Matrix Spike (ED60711-MS1)				Source: 6D04008-20 Prepared 04/07/06 Analyzed 04/09/06						
Benzene	1.11	0.0250	mg/kg dry	1.32	ND	84.1	80-120			
Toluene	1.09	0.0250	"	1.32	ND	82.6	80-120			
Ethylbenzene	1.16	0.0250	"	1.32	ND	87.9	80-120			
Xylene (p/m)	2.38	0.0250	"	2.64	ND	90.2	80-120			
Xylene (o)	1.12	0.0250	"	1.32	ND	84.8	80-120			
Surrogate a,a,a-Trifluorotoluene	40.4		ug/kg	40.0		101	80-120			
Surrogate 4-Bromofluorobenzene	36.6		"	40.0		91.5	80-120			
Matrix Spike Dup (ED60711-MSD1)				Source: 6D04008-20 Prepared 04/07/06 Analyzed 04/09/06						
Benzene	1.11	0.0250	mg/kg dry	1.32	ND	84.1	80-120	0.00	20	
Toluene	1.11	0.0250	"	1.32	ND	84.1	80-120	1.80	20	
Ethylbenzene	1.16	0.0250	"	1.32	ND	87.9	80-120	0.00	20	
Xylene (p/m)	2.43	0.0250	"	2.64	ND	92.0	80-120	1.98	20	
Xylene (o)	1.15	0.0250	"	1.32	ND	87.1	80-120	2.68	20	
Surrogate a,a,a-Trifluorotoluene	42.0		ug/kg	40.0		105	80-120			
Surrogate 4-Bromofluorobenzene	39.5		"	40.0		98.8	80-120			

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

Project. Chesapeake/ Papagayo Fed #1
Project Number 160049
Project Manager. Iain Olness

Fax. 505-394-2601

Reported:
04/12/06 10.16

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
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Batch ED60417 - General Preparation (Prep)

Blank (ED60417-BLK1)				Prepared 04/04/06 Analyzed 04/05/06						
% Solids	100		%							
Duplicate (ED60417-DUP1)				Source: 6D04001-01 Prepared. 04/04/06 Analyzed. 04/05/06						
% Solids	97.6		%		97.8			0.205	20	
Duplicate (ED60417-DUP2)				Source: 6D04007-01 Prepared 04/04/06 Analyzed 04/05/06						
% Solids	93.9		%		93.9			0.00	20	
Duplicate (ED60417-DUP3)				Source: 6D04008-05 Prepared 04/04/06 Analyzed 04/05/06						
% Solids	92.2		%		91.4			0.871	20	
Duplicate (ED60417-DUP4)				Source: 6D04009-05 Prepared 04/04/06 Analyzed. 04/05/06						
% Solids	93.8		%		94.1			0.319	20	
Duplicate (ED60417-DUP5)				Source: 6D04012-01 Prepared 04/04/06 Analyzed. 04/05/06						
% Solids	87.9		%		86.4			1.72	20	

Batch ED60602 - Water Extraction

Blank (ED60602-BLK1)				Prepared & Analyzed. 04/05/06						
Chloride	ND	0.500	mg/kg							
Sulfate	ND	0.500	"							
LCS (ED60602-BS1)				Prepared & Analyzed 04/05/06						
Sulfate	9.76		mg/L	10.0		97.6	80-120			
Chloride	8.99		"	10.0		89.9	80-120			

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Project. Chesapeake/ Papagayo Fed #1
Project Number. 160049
Project Manager Iain Olness

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Reported:
04/12/06 10 16

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
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Batch ED60602 - Water Extraction

Calibration Check (ED60602-CCV1)

Prepared & Analyzed 04/05/06

Sulfate	9.00		mg/L	10.0		90.0	80-120			
Chloride	8.97		"	10.0		89.7	80-120			

Duplicate (ED60602-DUP1)

Source: 6D04008-05

Prepared & Analyzed 04/05/06

Chloride	9.66	5.00	mg/kg		10.7			10.2	20	
Sulfate	12.9	5.00	"		12.9			0.00	20	

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Eunice NM, 88231

Project Chesapeake/ Papagayo Fed. #1
Project Number 160049
Project Manager Jam Olness

Fax. 505-394-2601

Reported:
04/12/06 10 16

Notes and Definitions

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

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

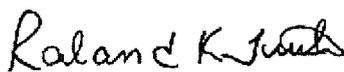
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/12/2006

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

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

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

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

Environmental Lab of Texas

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

Page 20 of 20

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

Client: ENV. PLUS

Date/Time: 4/4/06 10:30

Order #: 10D04008

Initials: CK

Sample Receipt Checklist

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

duct tape

Other observations:

Variance Documentation:

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

Corrective Action Taken:

argon laboratories

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NM 88231

REPORT DATE: 04/17/06
SAMPLE DATE: 04/12/06

ATTN: IAIN OLNESS
CLIENT PROJ. ID: 160049

AL JOB #: A04121

Papagayo Fed. #1
UL-M, Sect. 27, T 23 S, R 34 E

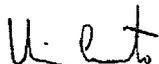
Project Summary:

On April 13, 2006, this laboratory received 14 soil samples.

Samples were analyzed according to instructions in accompanying chain-of-custody. Results of analysis are summarized on the following pages. Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Sample Control at (505) 397-0295


Hiram Cueto
Lab Manager

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email: info@argonlabs.com

argon laboratories

Environmental Plus, Inc. 2100 Avenue O Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A04121
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Total Petroleum Hydrocarbons - EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Notes
E1-BH-1 (6') (A04121 Soil) Sampled: 04/12/06 Received: 04/13/06						
Gas Range Organics	ND	10	mg/Kg	04/13/06	8015M	
Diesel Range Organics	ND	"	"	"	"	
C29 - C35 Range Organics	ND	"	"	"	"	
Total Petroleum Hydrocarbons	ND	30	"	"	"	

Volatile Organics - EPA Method 8021B

E1-BH-1 (6') (A04121 Soil) Sampled: 04/12/06 Received: 04/13/06						
Benzene	ND	0.005	mg/Kg	04/13/06	EPA 8021B	
Toluene	ND	"	"	"	"	
Ethyl Benzene	ND	"	"	"	"	
Xylenes	ND	0.010	"	"	"	

Surrogate Recovery: 106%

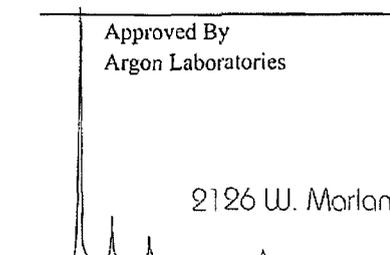
Anions by Ion Chromatography - EPA Method 300.0

E1-BH-1 (6') (A04121 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	440	100	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	50	"	"	"	

Approved By
Argon Laboratories


QC Officer

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296
email: info@argonlabs.com



argon laboratories

Environmental Plus, Inc. 2100 Avenue O Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A04121
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Total Petroleum Hydrocarbons - EPA Method 8015M

Analyte	Result	Reporting		Analyzed	Method	Notes
		Limit	Units			
E1-BH-2 (6') (A04122 Soil) Sampled: 04/12/06 Received: 04/13/06						
Gas Range Organics	ND	10	mg/Kg	04/13/06	8015M	
Diesel Range Organics	ND	"	"	"	"	
C29 - C35 Range Organics	ND	"	"	"	"	
Total Petroleum Hydrocarbons	ND	30	"	"	"	

Volatile Organics - EPA Method 8021B

E1-BH-2 (6') (A04122 Soil) Sampled: 04/12/06 Received: 04/13/06						
Benzene	0.016	0.005	mg/Kg	04/13/06	EPA 8021B	
Toluene	ND	"	"	"	"	
Ethyl Benzene	ND	"	"	"	"	
Xylenes	ND	0.010	"	"	"	

Surrogate Recovery: 106%

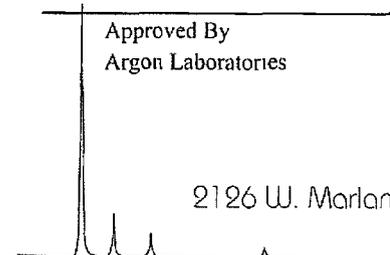
Anions by Ion Chromatography - EPA Method 300.0

E1-BH-2 (6') (A04122 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	57	250	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	25	"	"	"	

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Environmental Plus, Inc. 2100 Avenue O Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A04121
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Total Petroleum Hydrocarbons - EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Notes
E1-SSW (4') (A04123 Soil) Sampled: 04/12/06 Received: 04/13/06						
Gas Range Organics	ND	10	mg/Kg	04/13/06	8015M	
Diesel Range Organics	ND	"	"	"	"	
C29 - C35 Range Organics	ND	"	"	"	"	
Total Petroleum Hydrocarbons	ND	30	"	"	"	

Volatile Organics - EPA Method 8021B

E1-SSW (4') (A04123 Soil) Sampled: 04/12/06 Received: 04/13/06						
Benzene	0.009	0.005	mg/Kg	04/13/06	EPA 8021B	
Toluene	ND	"	"	"	"	
Ethyl Benzene	ND	"	"	"	"	
Xylenes	ND	0.010	"	"	"	

Surrogate Recovery: 106%

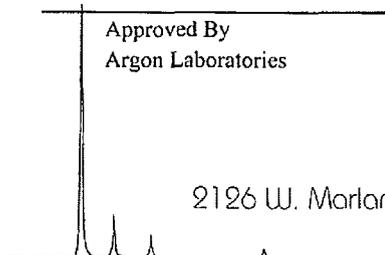
Anions by Ion Chromatography - EPA Method 300.0

E1-SSW (4') (A04123 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	5.0	"	"	"	

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Environmental Plus, Inc. 2100 Avenue O Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A04121
---	--	-------------------------

Total Petroleum Hydrocarbons - EPA Method 8015M

Analyte	Result	Reporting		Analyzed	Method	Notes
		Limit	Units			
E1-ESW (4') (A04124 Soil) Sampled: 04/12/06 Received: 04/13/06						
Gas Range Organics	ND	10	mg/Kg	04/13/06	8015M	
Diesel Range Organics	ND	"	"	"	"	
C29 - C35 Range Organics	ND	"	"	"	"	
Total Petroleum Hydrocarbons	ND	30	"	"	"	

Volatile Organics - EPA Method 8021B

E1-ESW (4') (A04124 Soil) Sampled: 04/12/06 Received: 04/13/06						
Benzene	0.006	0.005	mg/Kg	04/13/06	EPA 8021B	
Toluene	ND	"	"	"	"	
Ethyl Benzene	ND	"	"	"	"	
Xylenes	ND	0.010	"	"	"	

Surrogate Recovery: 106%

Anions by Ion Chromatography - EPA Method 300.0

E1-ESW (4') (A04124 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	32	5.0	"	"	"	

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Environmental Plus, Inc.
2100 Avenue O
Eunice, NM 88231

Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A04121

Total Petroleum Hydrocarbons - EPA Method 8015M

Analyte	Result	Reporting		Analyzed	Method	Notes
		Limit	Units			
E1-NSW (4') (A04125 Soil) Sampled: 04/12/06 Received: 04/13/06						
Gas Range Organics	ND	10	mg/Kg	04/13/06	8015M	
Diesel Range Organics	ND	"	"	"	"	
C29 - C35 Range Organics	ND	"	"	"	"	
Total Petroleum Hydrocarbons	ND	30	"	"	"	

Volatile Organics - EPA Method 8021B

E1-NSW (4') (A04125 Soil) Sampled: 04/12/06 Received: 04/13/06						
Benzene	0.006	0.005	mg/Kg	04/13/06	EPA 8021B	
Toluene	ND	"	"	"	"	
Ethyl Benzene	ND	"	"	"	"	
Xylenes	ND	0.010	"	"	"	

Surrogate Recovery: 106%

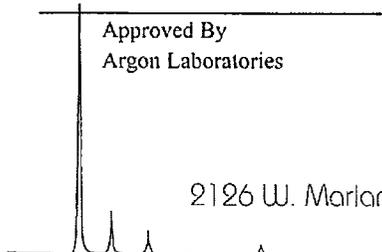
Anions by Ion Chromatography - EPA Method 300.0

E1-NSW (4') (A04125 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	17	5.0	"	"	"	

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Environmental Plus, Inc.
2100 Avenue O
Eunice, NM 88231

Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A04121

Total Petroleum Hydrocarbons - EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Notes
E1-WSW (4') (A04126 Soil) Sampled: 04/12/06 Received: 04/13/06						
Gas Range Organics	ND	10	mg/Kg	04/13/06	8015M	
Diesel Range Organics	ND	"	"	"	"	
C29 - C35 Range Organics	ND	"	"	"	"	
Total Petroleum Hydrocarbons	ND	30	"	"	"	

Volatile Organics - EPA Method 8021B

E1-WSW (4') (A04126 Soil) Sampled: 04/12/06 Received: 04/13/06						
Benzene	ND	0.005	mg/Kg	04/13/06	EPA 8021B	
Toluene	ND	"	"	"	"	
Ethyl Benzene	ND	"	"	"	"	
Xylenes	ND	0.010	"	"	"	

Surrogate Recovery: 106%

Anions by Ion Chromatography - EPA Method 300.0

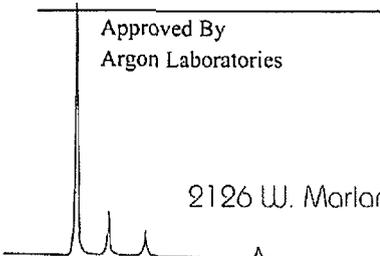
E1-WSW (4') (A04126 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	130	50	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	25	"	"	"	

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Environmental Plus, Inc.
2100 Avenue O
Eunice, NM 88231

Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A04121

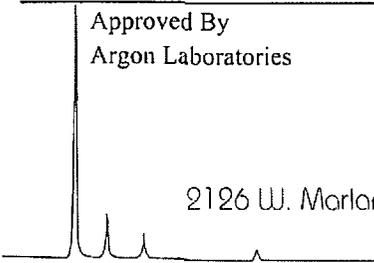
Anions by Ion Chromatography - EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Notes
E2-ESW (4') (A04127 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	110	20	mg/Kg	04/13/06	EPA 300.0	
Sulfate	27	10	"	"	"	
E2-NSW (4') (A04128 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	1,000	50	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	25	"	"	"	
E2-WSW (4') (A04129 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	140	50	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	25	"	"	"	
E3-BH-1 (6') (A04130 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	24	5.0	"	"	"	
E3-SSW (4') (A04131 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	12	5.0	"	"	"	

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2100 Avenue O
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Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A04121

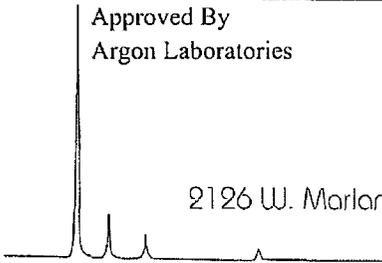
Anions by Ion Chromatography - EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Notes
E3-ESW (4') (A04132 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	13	5.0	"	"	"	
E3-NSW (4') (A04133 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	ND	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	ND	5.0	"	"	"	
E3-WSW (4') (A04134 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	10	10	mg/Kg	04/13/06	EPA 300.0	
Sulfate	13	5.0	"	"	"	

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Environmental Plus, Inc. 2100 Avenue O Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A04121
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TPH 8015M Quality Control

Analyte	MS Rec	MSD Rec	RPD	Reporting Limit	Units	Notes
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A04121</i>

TPH	92%	95%	3%	10	mg/Kg	
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Analyte	LCS Rec	LCSD Rec	RPD	Reporting Limit	Units	Notes
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCSID: LCS0413A</i>

TPH	110%	103%	7%	10	mg/Kg	
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Note: Daily method blank showed no contamination at or above the reporting limits

BTEX 8021B - Quality Control

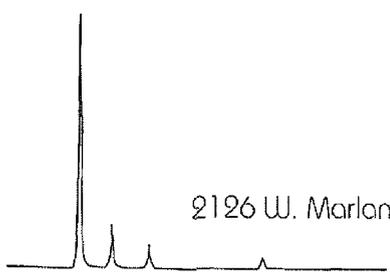
Analyte	MS Rec	MSD Rec	RPD	Reporting Limit	Units	Notes
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A04121</i>

o-Xylene	114%	104%	11%	0.005	mg/Kg	
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Analyte	LCS Rec	LCSD Rec	RPD	Reporting Limit	Units	Notes
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCSID: LCS0413A</i>

Ethyl Benzene	109%	116%	7%	0.005	mg/Kg	
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Note: Daily method blank showed no contamination at or above the reporting limits.



argon laboratories

Environmental Plus, Inc.
2100 Avenue O
Eunice, NM 88231

Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A04121

EPA 300.0 - Quality Control

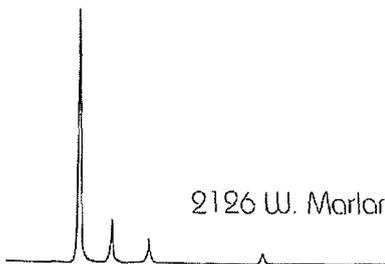
Analyte	MS Rec	MSD Rec	RPD	Reporting Limit	Units	Notes
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A04123</i>

Chloride	88%	92%	4%	10	mg/Kg	
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Analyte	LCS Rec	LCSD Rec	RPD	Reporting Limit	Units	Notes
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCSID: LCS0413A</i>

Chloride	95%	94%	1%	10	mg/Kg	
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Note: Daily method blank showed no contamination at or above the reporting limits.



Argon Laboratories Sample Receipt Checklist

Client Name EPI Date & Time Received: 4/13/2006 9:00

Project Name Papagayo Fed #1 Client Project Number: 160049

Received By: HC Matrix: Water Soil

Sample Carrier: Client Laboratory Fed Ex UPS Other

Argon Labs Project Number: A04121

Shipper Container in good condition? N/A Yes No Samples received in proper containers? Yes No

Samples received under refrigeration? Yes No Samples received intact? Yes No

Sufficient sample volume for requested test? Yes No Chain of custody present? Yes No

Samples received within holding time? Yes No Chain of Custody signed by all parties? Yes No

Do samples contain proper preservative? N/A Yes No

Chain of Custody matches all sample labels? Yes No Do VOA vials contain zero headspace? (None submitted) Yes No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments: _____

Action Taken: _____

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments _____

argon laboratories

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NM 88231

REPORT DATE: 04/14/06
SAMPLE DATE(S): 04/12/06
04/13/06
AL JOB #: A04161

ATTN: IAIN OLNESS
CLIENT PROJ. ID: 160049
Papagayo Fed. #1
UL-M, Sect. 27, T 23 S, R 34 E

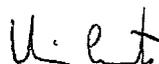
Project Summary:

On April 13, 2006, this laboratory received 4 soil samples.

Samples were analyzed according to instructions in accompanying chain-of-custody. Results of analysis are summarized on the following pages. Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Sample Control at (505) 397-0295


Hiram Cueto
Lab Manager

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Eunice, NM 88231

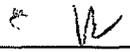
Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A04161

Anions by Ion Chromatography - EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Notes
E2-SSW (5') (A04161 Soil) Sampled: 04/13/06 Received: 04/13/06						
Chloride	2,900	500	mg/Kg	04/13/06	EPA 300.0	
E2-BH-2 (12') (A04162 Soil) Sampled: 04/13/06 Received: 04/13/06						
Chloride	1,900	250	mg/Kg	04/13/06	EPA 300.0	
E2-BH-3 (13.5') (A04163 Soil) Sampled: 04/13/06 Received: 04/13/06						
Chloride	17,000	2,000	mg/Kg	04/13/06	EPA 300.0	
E4-SSW (1.5') (A04164 Soil) Sampled: 04/12/06 Received: 04/13/06						
Chloride	320	100	mg/Kg	04/13/06	EPA 300.0	

Approved By
Argon Laboratories


QC Officer

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Environmental Plus, Inc. 2100 Avenue O Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A04161
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EPA Method 300.0 - Quality Control

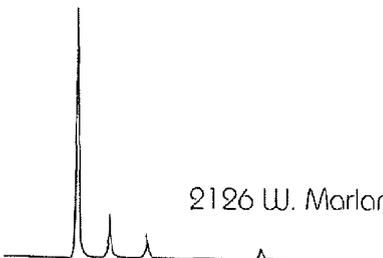
Analyte	MS Rec	MSD Rec	RPD	Reporting Limit	Units	Notes
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A04130</i>

Chloride	91%	87%	4%	10	mg/Kg	
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Analyte	LCS Rec	LCSD Rec	RPD	Reporting Limit	Units	Notes
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCS ID: LCS0413A</i>

Chloride	97%	98%	1%	10	mg/Kg	
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Note: Daily method blank showed no contamination at or above the reporting limits.



Argon Laboratories Sample Receipt Checklist

Client Name EPI Date & Time Received: 4/13/2006 18:00
 Project Name Papagayo Fed. #1 Client Project Number 160049
 Received By. HC Matrix: Water Soil
 Sample Carrier Client Laboratory Fed Ex UPS Other

Argon Labs Project Number: A04161

Shipper Container in good condition?	N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Samples received in proper containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples received under refrigeration?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Samples received intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Sufficient sample volume for requested test	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of Custody signed by all parties?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of Custody matches all sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Do samples contain proper preservative?	N/A <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
			Do VOA vials contain zero headspace?	(None submitted) <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

----- ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW -----

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments _____

Action Taken: _____

----- ADDITIONAL TEST(S) REQUEST / OTHER -----

Contacted By _____ Date: _____ Time: _____

Call Received By: _____

Comments _____

argon laboratories

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NM 88231

REPORT DATE: 05/24/06
SAMPLE DATE: 05/22/06

ATTN: IAIN OLNESS
CLIENT PROJ. ID: 160049
PAPAGAYO FEDERAL #1

AL JOB #: A05241

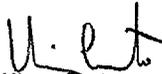
Project Summary:

On May 23, 2006, this laboratory received 4 soil samples.

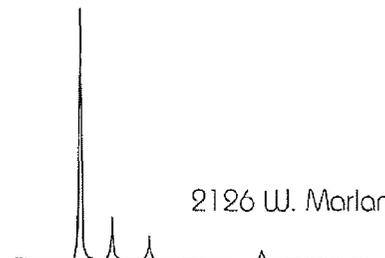
Samples were analyzed according to instructions in accompanying chain-of-custody. Results of analysis are summarized on the following pages. Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Sample Control at (505) 397-0295


Hiram Cueto
Lab Manager

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email: info@argonlabs.com



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Environmental Plus, Inc.
PO Box 1558
Eunice, NM 88231

Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A05241

Anions by Ion Chromatography - EPA Method 300.0

Analyte	Result	Rep. Lim. @ D.F.=1	Units	Analyzed	Method	Notes
E2-BH-1 (13') (A05241) Soil Sampled: 05/22/06 Received: 05/23/06						
Chloride	180	10	mg/Kg	05/24/06	EPA 300.0	
Sulfate	36	5.0	"	"		
E2-ESW (6') (A05242) Soil Sampled: 05/22/06 Received: 05/23/06						
Chloride	380	10	mg/Kg	05/24/06	EPA 300.0	
Sulfate	11	5.0	"	"		
E2-WSW (6') (A05243) Soil Sampled: 05/22/06 Received: 05/23/06						
Chloride	390	10	mg/Kg	05/24/06	EPA 300.0	
Sulfate	10	5.0	"	"		
E2-SSW (6') (A05244) Soil Sampled: 05/22/06 Received: 05/23/06						
Chloride	90	10	mg/Kg	05/24/06	EPA 300.0	
Sulfate	41	5.0	"	"		

Approved By
Argon Laboratories


QC Officer

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email: info@argonlabs.com

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Environmental Plus, Inc. P.O. Box 1558 Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A05241
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TPH 8015M - Quality Control

Analyte	MS Rec	MSD Rec	RPD	Reporting Limit	Units	Notes
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A05244</i>
TPH	85%	89%	4%	40	mg/Kg	

Analyte	LCS Rec	LCSD Rec	RPD	Reporting Limit	Units	Notes
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCS ID: LCS0524A</i>
TPH	90%	88%	2%	40	mg/Kg	

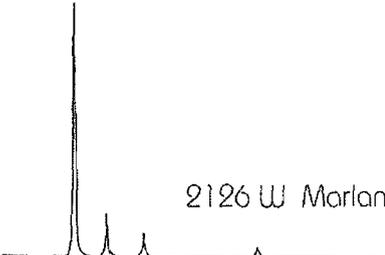
Note: Daily method blank showed no contamination at or above the reporting limits.

BTEX 8021B - Quality Control

Analyte	MS Rec	MSD Rec	RPD	Reporting Limit	Units	Notes
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A05244</i>
m,p-Xylenes	104%	106%	2%	0.005	mg/Kg	

Analyte	LCS Rec	LCSD Rec	RPD	Reporting Limit	Units	Notes
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCS ID: LCS0524A</i>
Ethyl Benzene	91%	94%	3%	0.005	mg/Kg	

Note: Daily method blank showed no contamination at or above the reporting limits.



argon laboratories

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

Project Number: 160048
Project Name: Ciguena State #1
Project Manager: Iain Olness

Work Order #:
A05241

EPA 300.0 - Quality Control

Analyte	MS Rec	MSD Rec	RPD	Reporting		Notes
				Limit	Units	
Matrix Spike / Matrix Spike Duplicate						<i>Spiked Sample ID: A05201</i>

Chloride	107%	101%	6%	10	mg/Kg	
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Analyte	LCS Rec	LCSD Rec	RPD	Reporting		Notes
				Limit	Units	
Laboratory Control Spike / Laboratory Control Spike Duplicate						<i>LCS ID: LCS0524A</i>

Chloride	98%	104%	5%	10	mg/Kg	
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Note: Daily method blank showed no contamination at or above the reporting limits.

argon laboratories

Environmental Plus, Inc. PO Box 1558 Eunice, NM 88231	Project Number: 160049 Project Name: Papagayo Fed. #1 Project Manager: Iain Olness	Work Order #: A05241
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TPH / BTEX
EPA Methods: 8015M / 8021B

Analyte	Result	Rep. Lim. @ D.F.=1	Units	Analyzed	Method	Notes
E2-BH-1 (13') (A05241) Soil Sampled: 05/22/06 Received: 05/23/06						
Gas Range Organics	<10	10	mg/Kg	05/24/06	EPA 8015M	
Diesel Range Organics	<10	"	"	"	"	
C29-C35 Range Organics	<20	20	"	"	"	
Total Petroleum Hydrocarbons	<40	40	"	"	"	
<i>Surr. Rec.: 89%</i>						
Benzene	<0.005	0.005	mg/Kg	05/24/06	EPA 8021B	
Toluene	<0.005	"	"	"	"	
Ethyl Benzene	<0.005	"	"	"	"	
Xylenes	<0.010	0.010	"	"	"	
<i>Surr. Rec.: 90%</i>						
E2-ESW (6') (A05242) Soil Sampled: 05/22/06 Received: 05/23/06						
Gas Range Organics	<10	10	mg/Kg	05/24/06	EPA 8015M	
Diesel Range Organics	<10	"	"	"	"	
C29-C35 Range Organics	<20	20	"	"	"	
Total Petroleum Hydrocarbons	<40	40	"	"	"	
<i>Surr. Rec.: 92%</i>						
Benzene	<0.005	0.005	mg/Kg	05/24/06	EPA 8021B	
Toluene	<0.005	"	"	"	"	
Ethyl Benzene	<0.005	"	"	"	"	
Xylenes	<0.010	0.010	"	"	"	
<i>Surr. Rec.: 94%</i>						
E2-WSW (6') (A05243) Soil Sampled: 05/22/06 Received: 05/23/06						
Gas Range Organics	<10	10	mg/Kg	05/24/06	EPA 8015M	
Diesel Range Organics	<10	"	"	"	"	
C29-C35 Range Organics	<20	20	"	"	"	
Total Petroleum Hydrocarbons	<40	40	"	"	"	
<i>Surr. Rec.: 94%</i>						
Benzene	<0.005	0.005	mg/Kg	05/24/06	EPA 8021B	
Toluene	<0.005	"	"	"	"	
Ethyl Benzene	<0.005	"	"	"	"	
Xylenes	<0.010	0.010	"	"	"	
<i>Surr. Rec.: 100%</i>						

Approved By
Argon Laboratories


QC Officer

argon laboratories

Environmental Plus, Inc.
PO Box 1558
Eunice, NM 88231

Project Number: 160049
Project Name: Papagayo Fed. #1
Project Manager: Iain Olness

Work Order #:
A05241

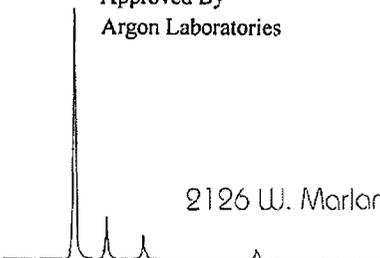
TPH / BTEX
EPA Methods: 8015M / 8021B

Analyte	Result	Rep. Lim.		Analyzed	Method	Notes
		@ D.F.=1	Units			
E2-SSW (G') (A05244) Soil		Sampled: 05/22/06	Received: 05/23/06			
Gas Range Organics	<10	10	mg/Kg	05/24/06	EPA 8015M	
Diesel Range Organics	<10	"	"	"	"	
C29-C35 Range Organics	<20	20	"	"	"	
Total Petroleum Hydrocarbons	<40	40	"	"	"	
<i>Surr. Rec.: 94%</i>						
Benzene	<0.005	0.005	mg/Kg	05/24/06	EPA 8021B	
Toluene	<0.005	"	"	"	"	
Ethyl Benzene	<0.005	"	"	"	"	
Xylenes	<0.010	0.010	"	"	"	
<i>Surr. Rec.: 92%</i>						

Approved By
Argon Laboratories


QC Officer

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296
email: info@argonlabs.com



Argon Laboratories Sample Receipt Checklist

Client Name: Environmental Plus, Inc. Date & Time Received: 05/23/06 15:08

Project Name: Papagayo Fed. #1 Client Project Number: 160049

Received By: Pat Matrix: Water Soil

Sample Carrier: Client Laboratory Fed Ex UPS Other

Argon Labs Project Number: A05241

Shipper Container in good condition? N/A Yes No Samples received in proper containers? Yes No

Samples received intact? Yes No

Samples received under refrigeration? Yes No Sufficient sample volume for requested tests? Yes No

Chain of custody present? Yes No Samples received within holding time? Yes No

Chain of Custody signed by all parties? Yes No Do samples contain proper preservative?
N/A Yes No

Chain of Custody matches all sample labels? Yes No Do VOA vials contain zero headspace?
(None submitted) Yes No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments: _____

Action Taken: _____

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

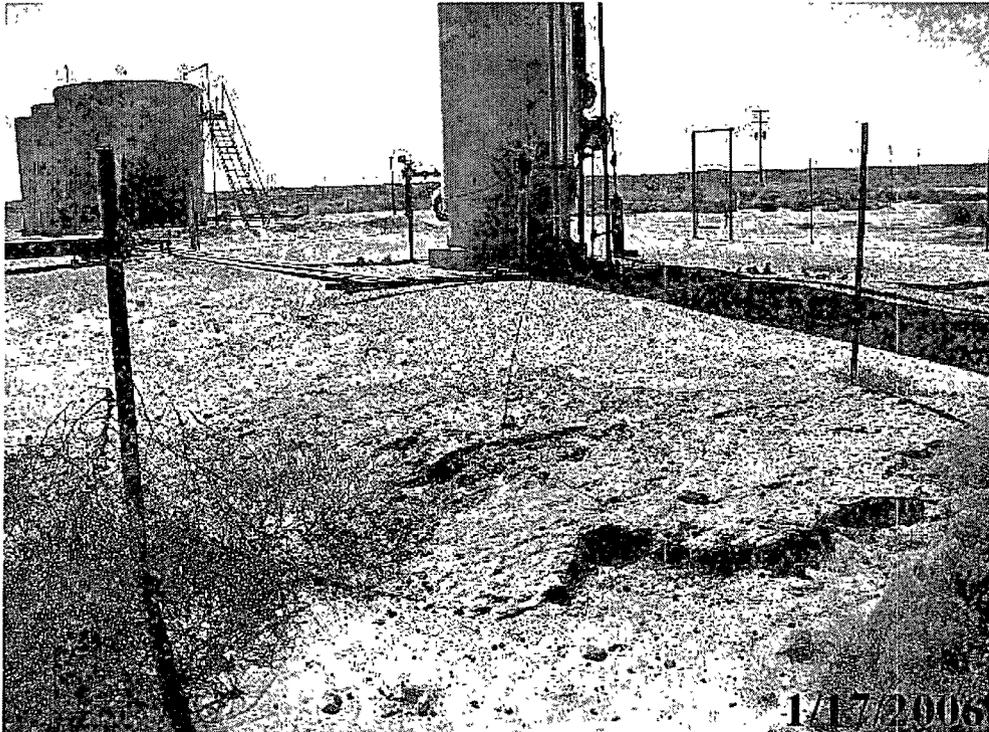
Comments: _____

APPENDIX II

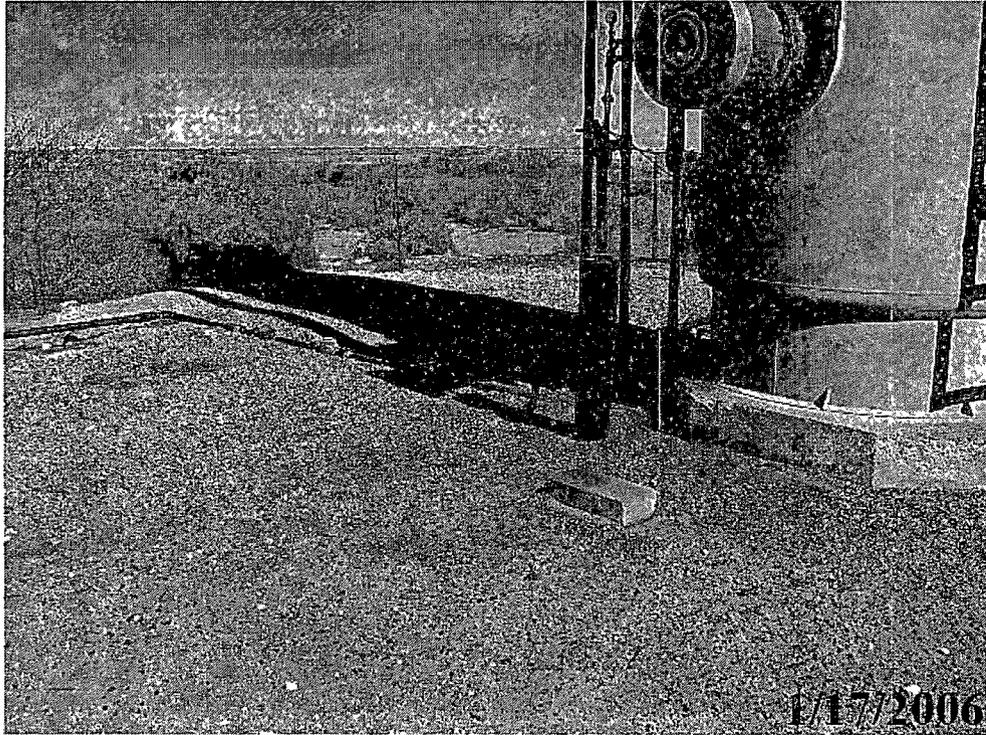
PROJECT PHOTOGRAPHS



Photograph #1 – Lease Sign



Photograph #2 – Looking southwesterly at release area.



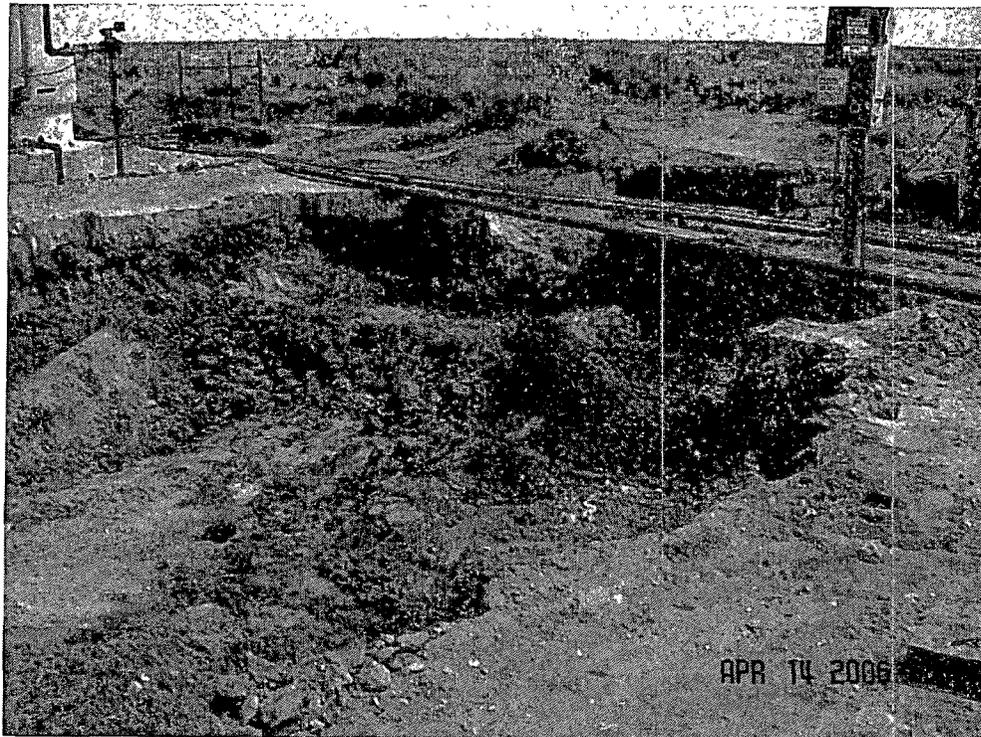
Photograph #3 – Looking northeasterly at release area.



Photograph #4 – Looking northerly at excavation around heater treater.



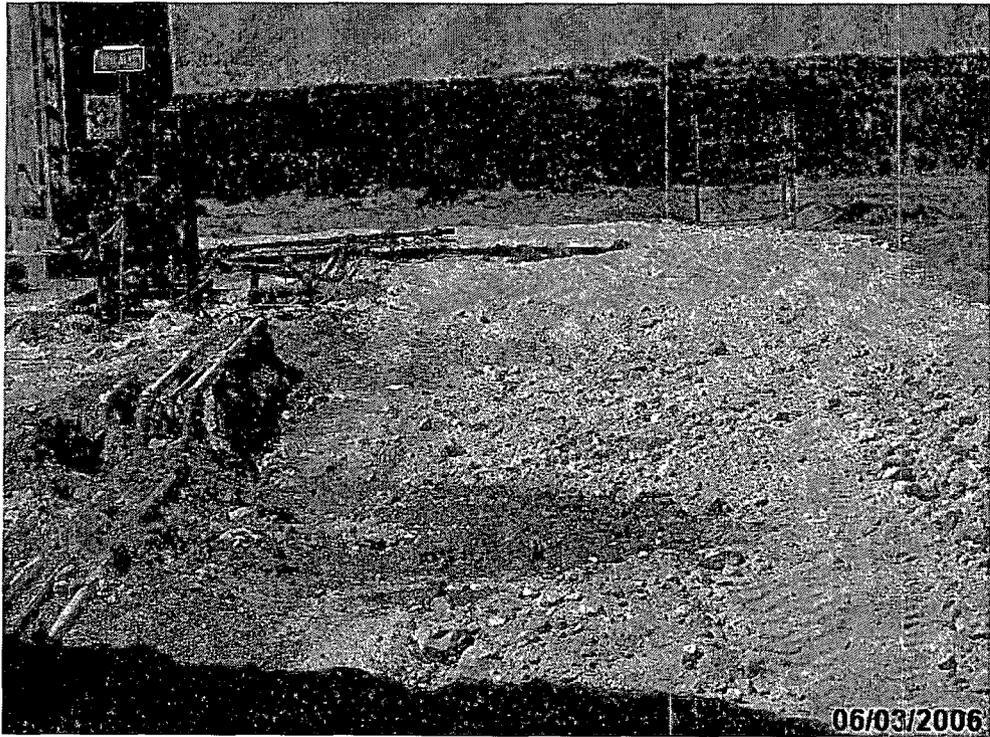
Photograph #5 – Looking southwesterly at excavation around heater treater



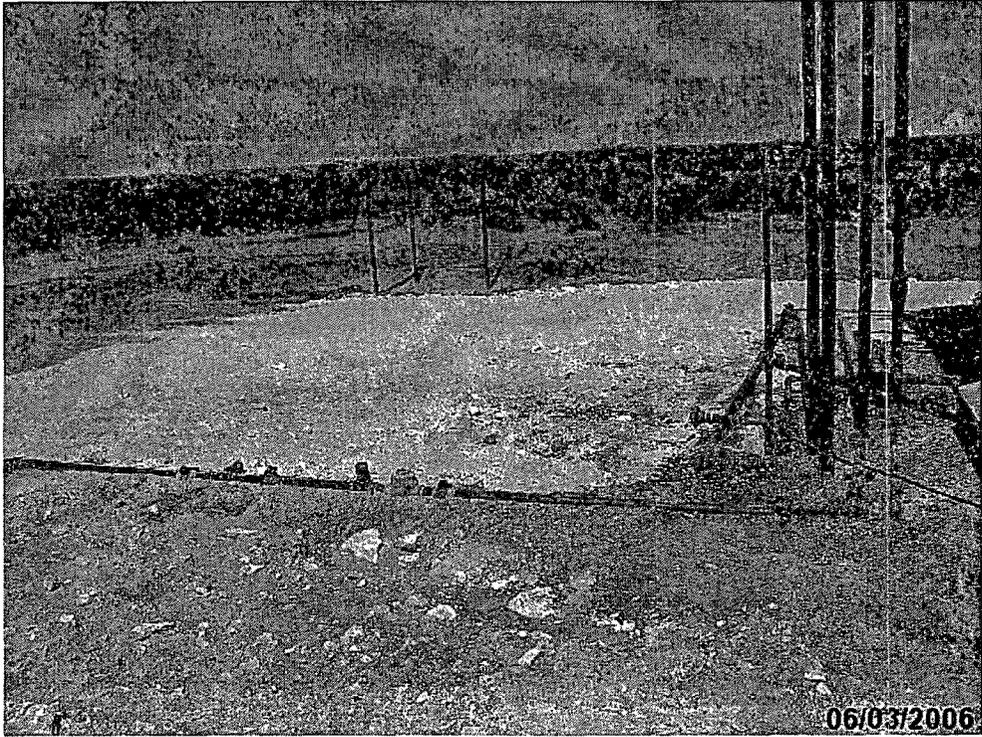
Photograph #6 – Looking northeasterly at excavation



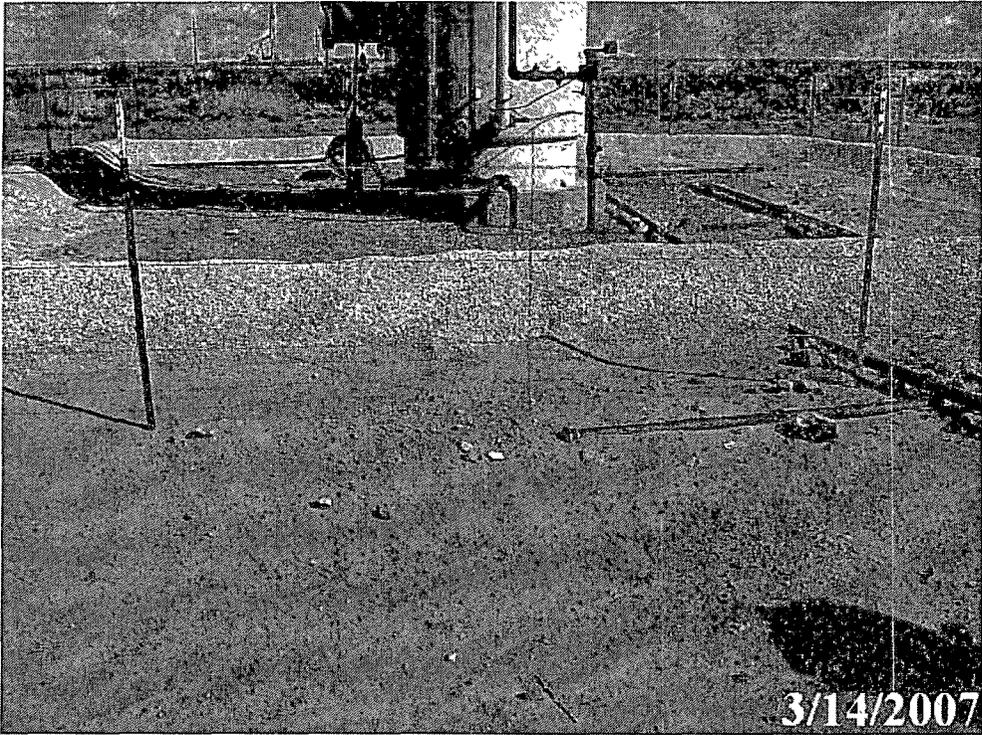
Photograph #7 – Installation of liner



Photograph #8 – Backfilling excavation



Photograph #9 – Remediated site



Photograph #10 – Remediated site

**APPENDIX III
SOIL BORING LOG**

Log Of Test Borings

(NOTE - Page 1 of 1)



ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 160049
Project Name: Chesapeake Energy - Papagayo Federal #1
Location: UL-M, Section 27, Township 23 South, Range 34 East
Boring Number: SB-1 Surface Elevation: 3,472-feet amsl

Time	Sample Type	Recovery (Inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Start Date: 2-2-06 Time: 1115 hrs	Completion Date: 2-2-06 Time: 1150 hrs	Description
1115				.5	640		2'			2' SAND, Red/brown
1120				.5	160		5'			5' SAND, Reddish
1130				.6	160		10'			10' CALICHE, Tan
1140				.6	160		15'			15' CALICHE, Whitish/tan
							16'			End of Soil Boring at 16' bgs

Water Level Measurements (feet)						Drilling Method: Straub
Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Backfill Method: Bentonite
-	-	-	-	-	-	Field Representative: GB
-	-	-	-	-	-	
-	-	-	-	-	-	

APPENDIX IV
INFORMATION AND METRICS FORM
INITIAL AND FINAL
NMOCD FORM C-141



Information and Metrics

Incident Date: Historical	NMOCD Notified:
-------------------------------------	------------------------

Site: Papagayo Federal #1		Assigned Site Reference : #160049	
Company: Chesapeake Energy			
Street Address: 1616 West Bender			
Mailing Address: P.O. Box 190			
City, State, Zip: Hobbs, New Mexico 88240			
Representative: Bradley Blevins			
Representative Telephone: (505) 391-1462 ext. 6224			
Telephone:			
Fluid volume released (bbls): >5 bbls		Recovered (bbls): 0 bbls	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)			
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)			
Leak, Spill, or Pit (LSP) Name: Papagayo Federal #1			
Source of contamination:			
Land Owner, i.e., BLM, ST, Fee, Other: Federal			
LSP Dimensions: 10 feet by 70 feet, 10 feet by 20 feet			
LSP Area: ~700 ft ² , ~200 ft ²			
Location of Reference Point (RP):			
Location distance and direction from RP:			
Latitude: N 32° 16' 12.55"			
Longitude: W 103° 27' 51.63"			
Elevation above mean sea level: 3,472 feet			
Feet from South Section Line: 660			
Feet from West Section Line: 660			
Location- Unit or ¼¼: SW¼ of the SW¼		Unit Letter: M	
Location- Section: 27			
Location- Township: T23S			
Location- Range: R34E			
Surface water body within 1000' radius of site: none			
Domestic water wells within 1000' radius of site: none			
Agricultural water wells within 1000' radius of site: none			
Public water supply wells within 1000' radius of site: none			
Depth from land surface to groundwater (DG): ~265 feet			
Depth of contamination (DC): unknown			
Depth to groundwater (DG - DC = DtGW): ~265 feet			
1. Groundwater		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or; <200' from private domestic water source: 20 points	
If Depth to GW 50 to 99 feet: 10 points		If >1000' from water source, or; >200' from private domestic water source: 0 points	
If Depth to GW >100 feet: 0 points			
		200-1000 horizontal feet: 10 points	
		>1000 horizontal feet: 0 points	
Site Rank (1+2+3) = 0			
Total Site Ranking Score and Acceptable Concentrations			
Parameter	>19	10-19	0-9
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

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: Chesapeake Energy	Contact: Bradley Blevins
Address: P.O. Box 190	Telephone No.: (505) 391-1462 ext. 6224
Facility Name: Papagayo Federal #1	Facility Type: Tank Battery
Surface Owner: Federal	Mineral Owner:
Lease No.: LC071949	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	27	23S	34E	660	S	660	W	Lea

Latitude: N 32° 16' 12.55" **Longitude:** W 103° 27' 51.63"

NATURE OF RELEASE

DISCOVERED 1-6-06

Type of Release: Petroleum and/or production fluids	Volume of Release: > 5bbbls	Volume Recovered: 0 bbbls
Source of Release: Various sources	Date and Hour of Occurrence: Historical	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Bradley Blevins	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

Depth to water? ~265 ft bgs
If a Watercourse was Impacted, Describe Fully.* Not Applicable

Describe Cause of Problem and Remedial Action Taken.* The release is historical from various sources.

Describe Area Affected and Cleanup Action Taken.* Approximately 900 square-feet of surface area was impacted by the release. Soil borings were advanced to collect soil samples to delineate extent of impacted soil. A remediation proposal will be developed based on soil sample analyses.

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

Signature: <i>Bradley Blevins</i>	OIL CONSERVATION DIVISION	
Printed Name: Bradley Blevins	Approved by District Supervisor: <i>ENVIRONMENTAL SUPERVISOR</i>	
Title: Field Supervisor	Approval Date: 7.19.07	Expiration Date: -
E-mail Address: bblevins@chkenegy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-5-06 Phone: (505) 391-1462 ext. 6224		

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report

Final Report

Name of Company: Chesapeake Energy	Contact: Bradley Blevins
Address: P.O. Box 190	Telephone No.: (505) 391-1462 ext. 6224
Facility Name: Papagayo Federal #1	Facility Type: Tank Battery

Surface Owner: Federal	Mineral Owner:	Lease No.: LC071949
-------------------------------	-----------------------	----------------------------

LOCATION OF RELEASE

WTR > 250'

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	27	23S	34E	660	S	660	W	Lea

Latitude: N 32° 16' 12.55" Longitude: W 103° 27' 51.63"

NATURE OF RELEASE

RP-808

Type of Release: Petroleum and/or production fluids	Volume of Release: > 5bbls	Volume Recovered: 0 bbls
Source of Release: Various sources	Date and Hour of Occurrence: Historical	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Bradley Blevins	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

Depth to water? ~265 ft bgs
If a Watercourse was Impacted, Describe Fully.* Not Applicable

Describe Cause of Problem and Remedial Action Taken.* The release is historical from various sources.
Describe Area Affected and Cleanup Action Taken.* Approximately 900 square-feet of surface area was impacted by the release. A soil boring was advanced to collect soil samples to delineate extent of impacted soil. Excavated contaminated soil above NMOCD remedial goals with repository at Sundance Services, Inc. Laboratory analyses confirmed removal of impacted soil above NMOCD remedial threshold goals. Excavation backfilled with caliche to original ground surface. Graded area to a smooth, level surface allowing natural drainage

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: Bradley Blevins	ENVIRO ENGR Approved by District Supervisor: 	
Title: Field Supervisor	Approval Date: 7.19.07	Expiration Date:
E-mail Address: bblevins@chkenegy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7-18-07 Phone: (505) 391-1462 ext. 6224		

* Attach Additional Sheets If Necessary

* RBC