NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

August 14, 2006

Lynn Ward lcward@duke-energy.com
Duke Energy Field Services
10 Desta Dr. Ste 400W
Midland, TX 79705

Re: Closure Approval: P-Line NMOCD Ref:1RP958
Site Reference UL-J, Sec-5 T-21S R-36E
Initial Notification Date 6-23-06
Closure Request Dated: 9-12-06

Dear Ms. Ward,

The **Final Closure Document** submitted to the New Mexico Oil Conservation Division (OCD) by Duke Energy Field Services is **hereby approved**. According to the information provided, no further action is required at this time.

Please be advised that OCD approval does not relieve Duke Energy Field Services of responsibility should remaining contaminants pose a future threat to ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Duke Energy Field Services of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please feel free to call me at (505) 393-6161, x111 or email lwjohnson@state.nm.us

Sincerely,

Larry Johnson - Environmental Engineer

Cc: Chris Williams - District I Supervisor
Patricia Caperton – Environmental Tech

Duke Energy Field Services

September 12, 2006

Mr. Larry Johnson
Oil Conservation Division
1625 N. French Dr.
Hobbs, NM 88240

RE: P-Line Rupture
Eunice, New Mexico
Date of Incident: June 23, 2006
1RP#: 958

Dear Mr. Johnson;

Attached to this letter is the final C-141 and request for closure ("no further action" requested) for the P-Line rupture which occurred on June 23, 2006. The rupture occurred at 9:07 am MST and was reported to your office (Mr. Gary Wink) at 9:55 am MST. An initial C-141 was submitted for the event on July 3, 2006.

BACKGROUND

On June 23, 2006, the inlet P – Line to Duke Energy Field Services, LP (DEFS) owned and operated Eunice Gas Plant ruptured. The event caused the activation of the Eunice Gas Plant H2S Contingency Plan and Emergency Response Plan. All notifications to State and Federal Agencies were timely made. The plant operators, following Standard Operating Proceedures in the event of an emergency, activated the automatic Emergency Shutdown system for the facility.

The inlet P – Line is a main inlet for Eunice Gas Plant that operates at 650 psig. The line is an 8 inch steel pipeline with corrosion protection. The point of the rupture was approximately 200 yards north northwest of the Eunice Plant office.

Investigation of the event including submittal of the failed pipe for analysis revealed the failure was caused by internal corrosion from Carbon dioxide concentrations in the raw field gas. The pipe which failed had been replaced 6 years ago (2000).

DESCRIPTION OF AFFECTED AREA AND CLEANUP ACTION TAKEN

The P – Line operates at high pressure and carries significant liquids. Therefore, DEFS performs routine pigging activities which sweeps the liquids from the line into the Eunice Gas Plant inlet receiver. On the date of the event, a pig had been run in the line 6 – hrs prior to the rupture. Since pigging activities had recently been performed, the pipeline contained very little liquids. DEFS estimates the pipeline liquids released to be less than 1 barrel.

DEFS contacted Environmental Plus, Inc. of Eunice, New Mexico, to perform delineation and removal of contaminated soils as well as provide field documentation of the impacted area. The size of the impacted

Duke Energy Field Services

area was estimated as 200 feet x 100 feet and approximately 7 feet deep. An overspray area southeast and adjacent to the rupture point was estimated as 75 feet x 50 feet. Photographic documentation of the site is attached to this letter. The visual impact at the point of release is dry and surficial which is supported by the analytical results from soil sampling activities performed by Environmental Plus, Inc.

The overspray area impact was minimal as was evident from the photographic documentation. All visually impacted soils were removed and disposed at Environmental Plus, Inc. operated landfarm. The analytical results from the excavation are presented in the following table and confirmed by laboratory analysis (Environmental Labs of Texas, Odessa, Texas). A portion of each sample was analyzed in the field for the presence of organic vapors utilizing a calibrated MiniRae photoionization detector (PID) and field chloride test kits.

Table 1
Analytical Results of Excavation
Sample Date: June 29, 2006

Identification	PID	Field Cl	TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total BTEX (mg/Kg)	Chlorides (mg/Kg)
SW-1 @ 3'	2.7	160	18.9	ND	ND	ND	ND	15.1
SW-2 @ 3'	2.7	160	ND	ND	ND	ND	ND	20.5
SW-3 @ 3'	1.7	160	ND	ND	ND	ND	ND	43.5
SW-4 @ 3'	21	160	ND	ND	ND	ND	ND	61.4
BH-1 @ 7'	2.6	160	ND	ND	ND	ND	ND	27.7
BH-2 @ 7'	3.7	160	ND	ND	ND	ND	ND	115

SW – sidewall
BH – bottom hole
ND – not detected (below laboratory detection limit)

The field notes from the sampling event are attached as well as the laboratory analysis and chain-of-custody documentation.

The site of the ruptured pipe has been replaced. DEFS has also excavated sizable portions of the remaining P-Line utilizing a hydrovac in order to ascertain the condition of the remaining pipe.

REMEDIATION GOALS

The release site is located in Unit J, Section 5, Township 21 South, Range 36E, latitude 32.51429, longitude -103.2845 (site location map attached). The depth to groundwater at the location based on the Office of the State Engineers web database is greater than 100 feet below ground surface. There are no surface waters within 1,000 horizontal feet and no wells within 200 feet of the release location. Based on the Recommended Remedial Action Levels from the New Mexico Oil Conservation Division (NMOCD) publication, "Guidelines for the Remediation of Leaks, Spills and Releases (August 13, 1993), DEFS determined a site ranking of "0" for the location.

Duke Energy Field Services

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water
Depth to GW<50 feet: 20 points	If < 1,000 feet from water source, or	< 200 horizontal feet: 0 points
Depth to GW 50 – 99 feet: 10 points	< 200 feet from private domestic water source: 20 points	200 – 1,000 horizontal feet: 10 points
Depth to GW > 100 feet: 0 points	If > 1,000 feet from water source, or > 200 feet from private domestic water source: 0 points	> 1,000 horizontal feet: 0 points
Site Rank (1 + 2 + 3) = 0 points		
Remedial Goals Based on Site Ranking		
> 20 Points	10 points	0 points
Benzene < 10 ppm	Benzene < 10 ppm	Benzene < 10 ppm
Total BTEX < 50 ppm	Total BTEX < 50 ppm	Total BTEX < 50 ppm
TPH < 100 ppm	TPH < 1,000 ppm	TPH < 5,000 ppm

CONCLUSIONS AND RECOMMENDATIONS

1. Impacted soils from the P – Line rupture have been removed and disposed at a State of New Mexico permitted facility: Environmental Plus, Inc. Landfarm.

2. Remaining soil levels of the contaminants of concern (TPH, Benzene, Total BTEX, Chlorides) are below the Recommended Remedial Action Levels for the site specific goals.

3. Laboratory analytical results of soil samples collected by Environmental Plus, Inc. personnel from the excavation sidewalls and floor indicate TPH, BTEX, constituents, and chloride concentrations are below each respective NMOCD remedial threshold.

DEFS therefore requests the NMOCD require no further action and issue DEFS a Site Closure Letter.

DEFS has attached a Final C-141, field notes, photographic documentation, and laboratory analytical results for the release.

If there are any questions, comments, or concerns about the described activities, please contact me at 432/620-4207 or email lcward@duke-energy.com.

Sincerely,
Duke Energy Field Services, LP

Lynn Ward
Sr. Environmental Specialist
Southern Division
Western Region

Duke Energy Field Services

Cc: Kevin Gerber, Eunice Plant Supervisor
Polo Rendon, Eunice Field Supervisor
Liz Klein, Corporate File 2.1.1.1
Regional File 2.1.1.1

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☑ Final Report

Name of Company: Duke Energy Field Services, LP	Contact: Lynn Ward
Address: 10 Desta Dr., Suite 400W, Midland, TX 79705	Telephone No.: 432/620-4207
Facility Name: P - Line	Facility Type: Inlet Pipeline to Eunice Plant

Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	5	21S	36E					Lea

Latitude 32.51429 **Longitude** -103.2845

NATURE OF RELEASE

Type of Release: Natural Gas/Natural Gas Liquids	Volume of Release: 1.726 Mmscf < 1 bbl	Volume Recovered: None
Source of Release: Rupture of the inlet P – Line to Eunice Gas Plant	Date and Hour of Occurrence: 06/23/06 @ 9:07 am MST	Date and Hour of Discovery: 06/23/06 @ 9:07 am MST
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Gary Wink	
By Whom? Lynn Ward	Date and Hour: 06/23/06 @ 9:55 am MST	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

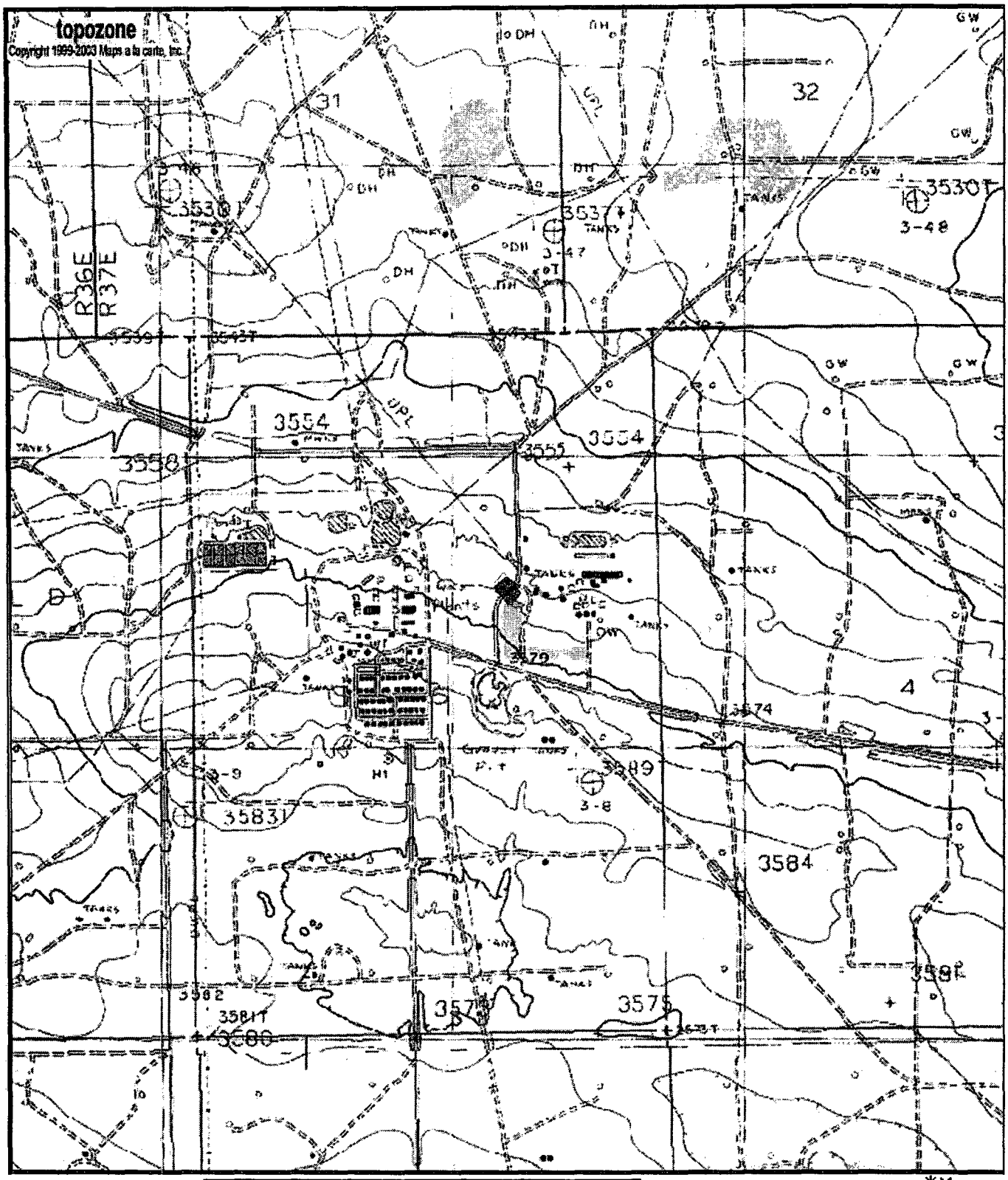
Describe Cause of Problem and Remedial Action Taken.*
Please see attached letter report.

Describe Area Affected and Cleanup Action Taken.*
Please see attached letter report.

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.

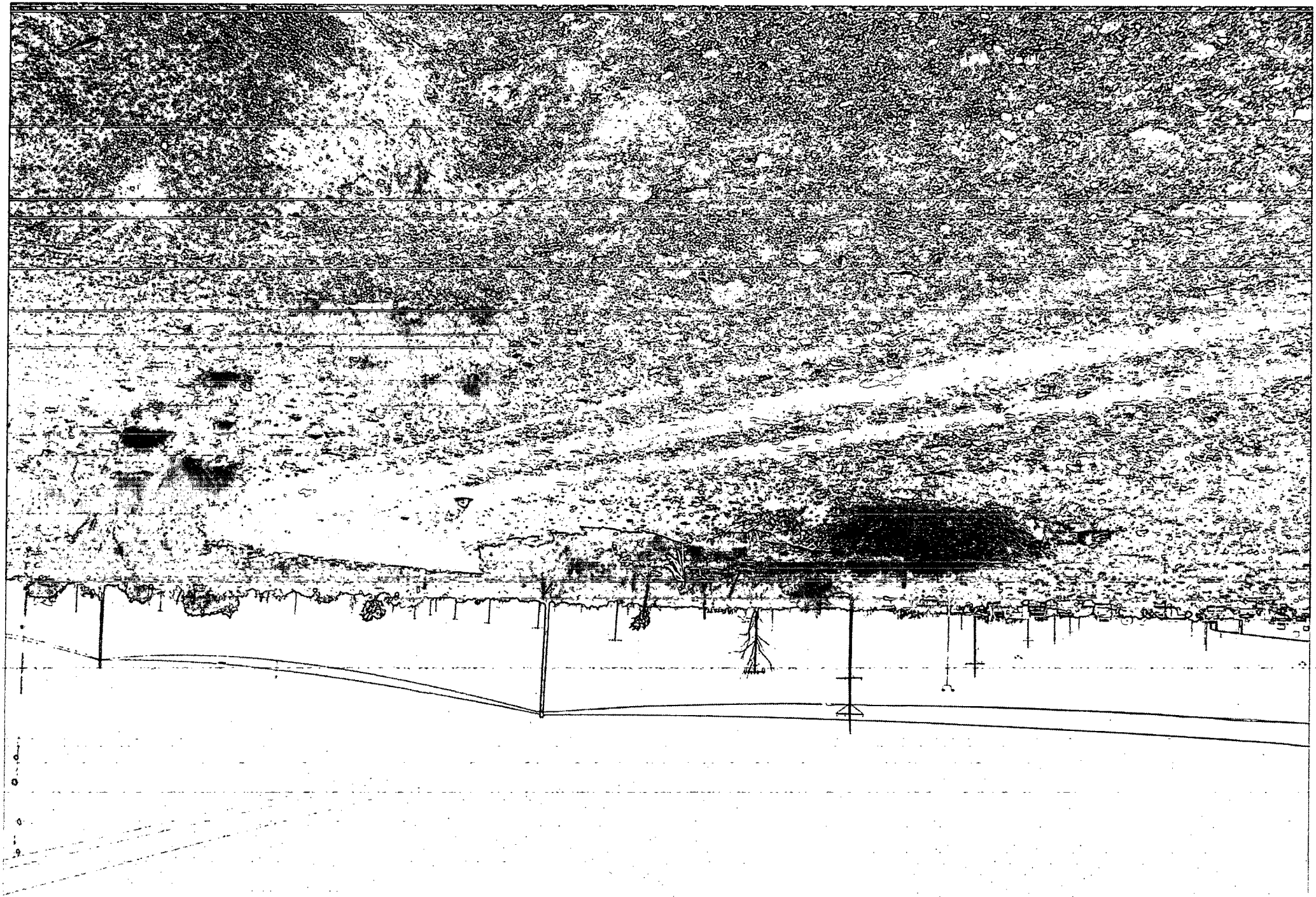
Signature: Lynn Ward	OIL CONSERVATION DIVISION	
Printed Name: Lynn Ward	Approved by District Supervisor:	
Title: Sr. Env. Specialist	Approval Date:	Expiration Date:
E-mail Address: lcward@duke-energy.com	Conditions of Approval:	Attached ☐
Date: 9/12/06 Phone: 432/620-4207		

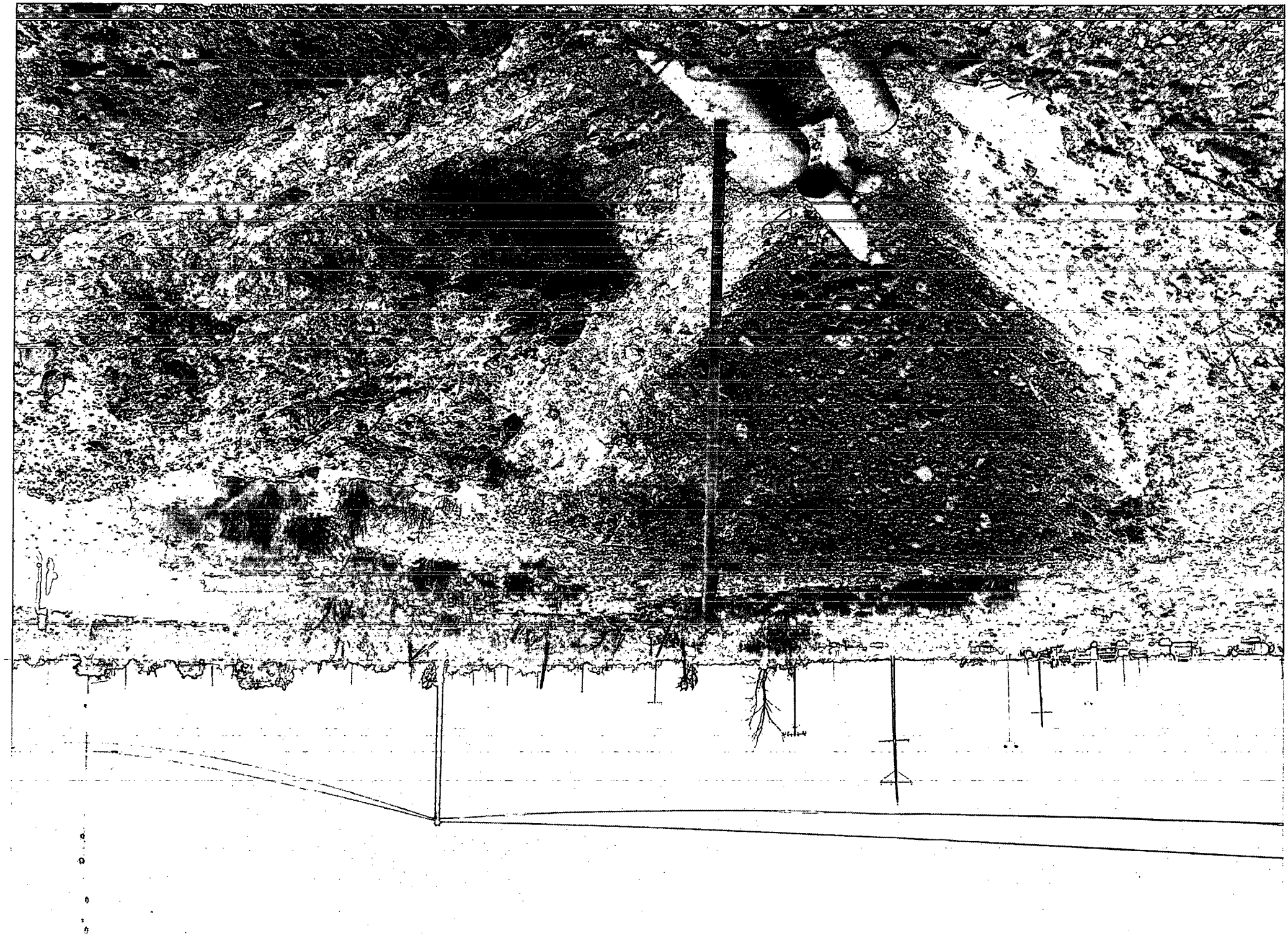
* Attach Additional Sheets If Necessary

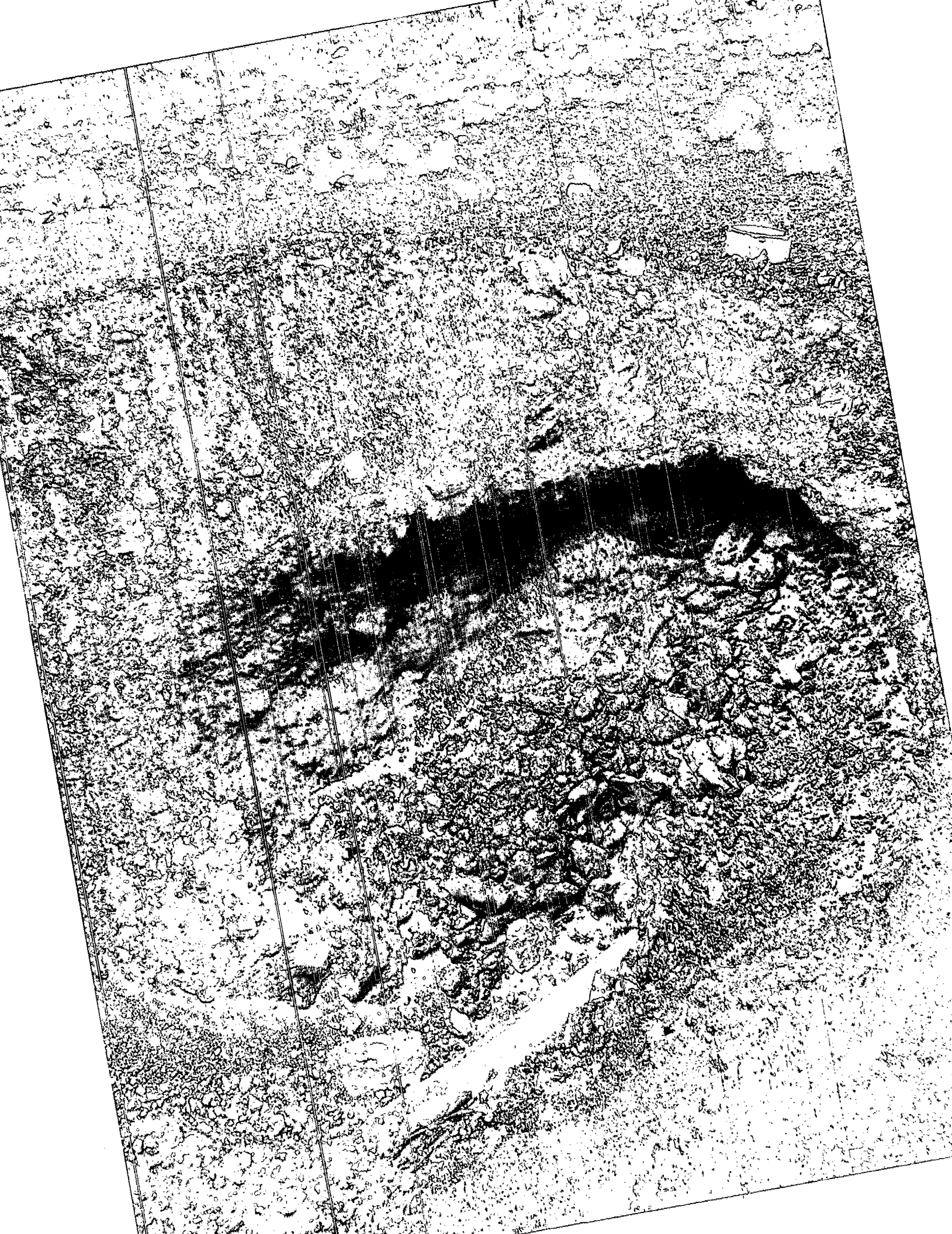


Map center is 32.5142°N, 103.2840°W (NAD27)
Monument South quadrangle
Projection is UTM Zone 13 NAD83 Datum

Unit J Sect 5 T21S R36E





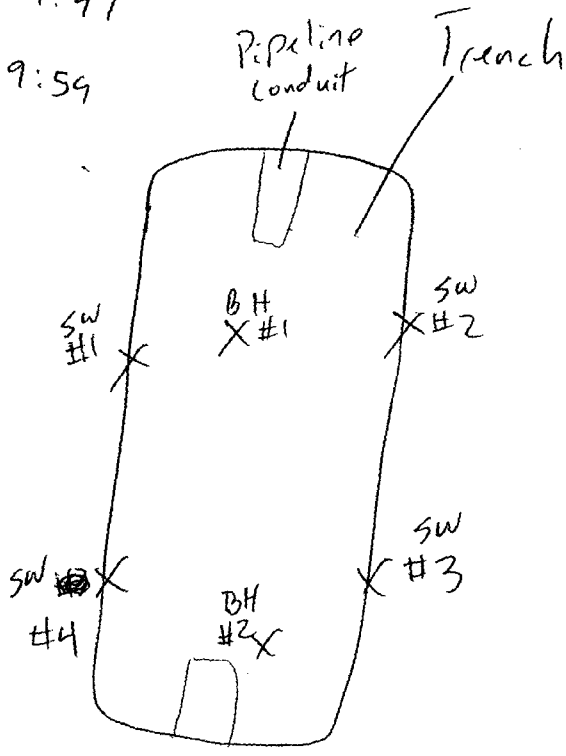


6.29.06

1

SW	PID.	chl.	
1-3'	2.7	160	9:30
2-3'	2.7	160	9:38
3-3'	1.7	160	9:47
4-3'	2.1	160	9:54

BH	PID	chl.	
1-7'	2.6	160	10:09
2-7'	3.7	160	10:21



DEFS P-Line

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: DEFS/ P-Line

Project Number: None Given

Location: None Given

Lab Order Number: 6F30008

Report Date: 07/07/06

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

Project: DEFS/ P-Line
Project Number: None Given
Project Manager: Iain Olness

Fax: 505-394-2601

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1 3'	6F30008-01	Soil	06/29/06 09:30	06/30/06 10:15
SW-2 3'	6F30008-02	Soil	06/29/06 09:38	06/30/06 10:15
SW-3 3'	6F30008-03	Soil	06/29/06 09:47	06/30/06 10:15
SW-4 3'	6F30008-04	Soil	06/29/06 09:59	06/30/06 10:15
BH-1 7'	6F30008-05	Soil	06/29/06 10:09	06/30/06 10:15
BH-2 7'	6F30008-06	Soil	06/29/06 10:21	06/30/06 10:15

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 3' (6F30008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	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		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**18.9**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**18.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.8 %*	*70-130*		"	"	"	"	
SW-2 3' (6F30008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.6 %*	*70-130*		"	"	"	"	
SW-3 3' (6F30008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	

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

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-3 3' (6F30008-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.6 %*	*70-130*		"	"	"	"	
SW-4 3' (6F30008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	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		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.2 %*	*70-130*		"	"	"	"	
BH-1 7' (6F30008-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.8 %*	*70-130*		"	"	"	"	

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

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-2 7' (6F30008-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61504	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*74.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.0 %*	*70-130*		"	"	"	"	

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

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 3' (6F30008-01) Soil									
Chloride	**15.1**	5.00	mg/kg	10	EG60507	07/05/06	07/05/06	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
SW-2 3' (6F30008-02) Soil									
Chloride	**20.5**	5.00	mg/kg	10	EG60507	07/05/06	07/05/06	EPA 300.0	
% Moisture	**1.9**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
SW-3 3' (6F30008-03) Soil									
Chloride	**43.5**	5.00	mg/kg	10	EG60507	07/05/06	07/05/06	EPA 300.0	
% Moisture	**3.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
SW-4 3' (6F30008-04) Soil									
Chloride	**61.4**	5.00	mg/kg	10	EG60507	07/05/06	07/05/06	EPA 300.0	
% Moisture	**4.6**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-1 7' (6F30008-05) Soil									
Chloride	**27.7**	5.00	mg/kg	10	EG60507	07/05/06	07/05/06	EPA 300.0	
% Moisture	**6.5**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-2 7' (6F30008-06) Soil									
Chloride	**115**	5.00	mg/kg	10	EG60507	07/05/06	07/05/06	EPA 300.0	
% Moisture	**4.1**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	

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

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

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 EF61504 - Solvent Extraction (GC)										
Blank (EF61504-BLK1)				Prepared & Analyzed: 06/30/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*54.7*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.0*		"	*50.0*		*104*	*70-130*			
LCS (EF61504-BS1)				Prepared & Analyzed: 06/30/06						
Carbon Ranges C6-C12	513	10.0	mg/kg wet	500		103	75-125			
Carbon Ranges C12-C28	517	10.0	"	500		103	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*54.2*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.9*		"	*50.0*		*89.8*	*70-130*			
Calibration Check (EF61504-CCV1)				Prepared: 06/30/06 Analyzed: 07/01/06						
Carbon Ranges C6-C12	208		mg/kg	250		83.2	80-120			
Carbon Ranges C12-C28	298		"	250		119	80-120			
Total Hydrocarbon nC6-nC35	505		"	500		101	80-120			
Surrogate: 1-Chlorooctane	*55.4*		"	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.6*		"	*50.0*		*107*	*70-130*			
Matrix Spike (EF61504-MS1)	**Source: 6F30007-01**			Prepared & Analyzed: 06/30/06						
Carbon Ranges C6-C12	595	10.0	mg/kg dry	559	ND	106	75-125			
Carbon Ranges C12-C28	601	10.0	"	559	ND	108	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1200	10.0	"	1120	ND	107	75-125			
Surrogate: 1-Chlorooctane	*61.8*		*mg/kg*	*50.0*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.1*		"	*50.0*		*108*	*70-130*			

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

Project: DEFS/ P-Line
Project Number: None Given
Project Manager: Iain Olness

Fax: 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF61504 - Solvent Extraction (GC)										
Matrix Spike Dup (EF61504-MSD1)	**Source: 6F30007-01**			Prepared & Analyzed: 06/30/06						
Carbon Ranges C6-C12	580	10.0	mg/kg dry	559	ND	104	75-125	2.55	20	
Carbon Ranges C12-C28	592	10.0	"	559	ND	106	75-125	1.51	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1170	10.0	"	1120	ND	104	75-125	2.53	20	
Surrogate: 1-Chlorooctane	*59.9*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.8*		*"*	*50.0*		*104*	*70-130*			
Batch EF63020 - EPA 5030C (GC)										
Blank (EF63020-BLK1)				Prepared: 06/30/06 Analyzed: 07/05/06						
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	*36.4*		*ug/kg*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.3*		*"*	*40.0*		*98.2*	*80-120*			
LCS (EF63020-BS1)				Prepared: 06/30/06 Analyzed: 07/03/06						
Benzene	1.28	0.0250	mg/kg wet	1.25		102	80-120			
Toluene	1.37	0.0250	"	1.25		110	80-120			
Ethylbenzene	1.32	0.0250	"	1.25		106	80-120			
Xylene (p/m)	2.75	0.0250	"	2.50		110	80-120			
Xylene (o)	1.36	0.0250	"	1.25		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/kg*	*40.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.7*		*"*	*40.0*		*96.8*	*80-120*			

Environmental Plus, Incorporated
P.O. Box 1558
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Project: DEFS/ P-Line
Project Number: None Given
Project Manager: Iain Olness

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF63020 - EPA 5030C (GC)										
Calibration Check (EF63020-CCV1)				Prepared: 06/30/06 Analyzed: 07/05/06						
Benzene	51.7		ug/kg	50.0		103	80-120			
Toluene	55.7		"	50.0		111	80-120			
Ethylbenzene	57.1		"	50.0		114	80-120			
Xylene (p/m)	113		"	100		113	80-120			
Xylene (o)	56.8		"	50.0		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.9*		"	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.2*		"	*40.0*		*98.0*	*80-120*			
Matrix Spike (EF63020-MS1)		**Source: 6F30004-01**		Prepared: 06/30/06 Analyzed: 07/05/06						
Benzene	1.23	0.0250	mg/kg dry	1.26	ND	97.6	80-120			
Toluene	1.33	0.0250	"	1.26	ND	106	80-120			
Ethylbenzene	1.28	0.0250	"	1.26	ND	102	80-120			
Xylene (p/m)	2.79	0.0250	"	2.52	ND	111	80-120			
Xylene (o)	1.34	0.0250	"	1.26	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.7*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.6*		"	*40.0*		*91.5*	*80-120*			
Matrix Spike Dup (EF63020-MSD1)		**Source: 6F30004-01**		Prepared: 06/30/06 Analyzed: 07/05/06						
Benzene	1.19	0.0250	mg/kg dry	1.26	ND	94.4	80-120	3.33	20	
Toluene	1.32	0.0250	"	1.26	ND	105	80-120	0.948	20	
Ethylbenzene	1.30	0.0250	"	1.26	ND	103	80-120	0.976	20	
Xylene (p/m)	2.76	0.0250	"	2.52	ND	110	80-120	0.905	20	
Xylene (o)	1.41	0.0250	"	1.26	ND	112	80-120	5.50	20	
Surrogate: a,a,a-Trifluorotoluene	*35.9*		*ug/kg*	*40.0*		*89.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		"	*40.0*		*96.0*	*80-120*			

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

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

Project: DEFS/ P-Line
Project Number: None Given
Project Manager: Iain Olness

Fax: 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG60301 - General Preparation (Prep)										
Blank (EG60301-BLK1)				Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	100		%							
Duplicate (EG60301-DUP1)	Source: 6F30001-01			Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	97.9		%		97.5			0.409	20	
Duplicate (EG60301-DUP2)	Source: 6F30010-09			Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	96.5		%		98.6			2.15	20	
Duplicate (EG60301-DUP3)	Source: 6F30011-18			Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	90.1		%		90.0			0.111	20	
Duplicate (EG60301-DUP4)	Source: 6F30012-11			Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	73.9		%		74.7			1.08	20	
Duplicate (EG60301-DUP5)	Source: 6F30018-01			Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	99.9		%		100			0.100	20	
Batch EG60507 - General Preparation (WetChem)										
Blank (EG60507-BLK1)				Prepared & Analyzed: 07/05/06						
Chloride	ND	0.500	mg/kg							
LCS (EG60507-BS1)				Prepared & Analyzed: 07/05/06						
Chloride	9.98	0.500	mg/kg	10.0		99.8	80-120			
Calibration Check (EG60507-CCV1)				Prepared & Analyzed: 07/05/06						
Chloride	9.72		mg/L	10.0		97.2	80-120			

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG60507 - General Preparation (WetChem)										
Duplicate (EG60507-DUP1)		**Source: 6F30001-01**		Prepared & Analyzed: 07/05/06						
Chloride	22100	500	mg/kg		21800			1.37	20	
Duplicate (EG60507-DUP2)		**Source: 6F30010-16**		Prepared & Analyzed: 07/05/06						
Chloride	12.5	5.00	mg/kg		12.6			0.797	20	
Matrix Spike (EG60507-MS1)		**Source: 6F30001-01**		Prepared & Analyzed: 07/05/06						
Chloride	27100	500	mg/kg	10000	21800	53.0	80-120			S-07
Matrix Spike (EG60507-MS2)		**Source: 6F30010-16**		Prepared & Analyzed: 07/05/06						
Chloride	196	5.00	mg/kg	100	12.6	183	80-120			S-07

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

Environmental Plus, Incorporated	Project: DEFS/ P-Line	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	
Eunice NM, 88231	Project Manager: Iain Olness	

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

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

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

Environmental Plus, Inc.

Chain of Custody Form

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

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Duke Energy Field Services
Facility Name	P-Line (Duke Plant)
Location	
Project Reference	
EPI Sampler Name	George Blackburn 441-4914(505)

Bill To

Duke Energy Field Services

Attn: Ronnie Gilchrist
1625 West Marland
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D. (EF3008)	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl⁻)	SULFATES (SO_4^{-})	pH	TCLP	OTHER >>>	PAH			
-01	1 SW-1 (3')	G	1			X					X		29-Jun-06	9:30	X	X	X								
-02	2 SW-2(3')	G	1			X					X		29-Jun-06	9:38	X	X	X								
-03	3 SW-3(3')	G	1			X					X		29-Jun-06	9:47	X	X	X								
-04	4 SW-4(3')	G	1			X					X		29-Jun-06	9:59	X	X	X								
-05	5 BH-1 (7')	G	1			X					X		29-Jun-06	10:09	X	X	X								
-06	6 BH-1 (7') BH-2 7' ck	G	1			X					X		29-Jun-06	10:21	X	X	X								
	7																								
	8																								
	9																								
	10																								

Sampler Relinquished: George Blackburn	Date 6-30-06 Time 7:40	Received By:	E-mail results to: lcward@duke-energy.com and iolness@envplus.net
Relinquished by:	Date 6-30-06 Time 10:15	Received By: (lab staff)	REMARKS: Labels w/sculs
Delivered by:	Sample Cool & Intact (Yes) No 3.5°C	Checked By:	

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

Client: EPI

Date/Time: 10/30/06 10:15

Order #: 610300 8

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	* last sample
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

2 samples at BH-1 on COC; however, labels on jar are BH-1 & BH-2

Variance Documentation:

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

Regarding:

Corrective Action Taken:

1RP: 958

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☑ Initial Report ☐ Final Report

Name of Company: Duke Energy Field Services, LP	Contact: Lynn Ward
Address: 10 Desta Dr., Suite 400-W, Midland, TX 79705	Telephone No.: 432/620-4207
Facility Name: P - Line	Facility Type: Inlet Pipeline to Eunice Plant

Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County

Latitude 32.51429 **Longitude** -103.2845

NATURE OF RELEASE

Type of Release: Natural Gas/Natural Gas Liquids	Volume of Release: 1.726 MMscf < 1 bbl NGL	Volume Recovered: 0
Source of Release: Rupture of the inlet P- Line to Eunice Gas Plant	Date and Hour of Occurrence: 06/23/06 @ 9:07 am MST	Date and Hour of Discovery 06/23/06 @ 9:07 am MST
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Gary Wink	
By Whom? Lynn Ward	Date and Hour 6/23/06 @ 9:55 am MST	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.* NA

Describe Cause of Problem and Remedial Action Taken.*
The inlet P – Line to Eunice Gas Plant failed at 9:07 am MST on 6/23/06. The rupture occurred when the line was at 650 psi (not exceeding the MAOP). The rupture was caused by internal corrosion. The line is an 8" steel pipeline that was replaced 6 years ago. The gas transports low H2S containing field gas to Eunice Plant for processing. The investigation of the pipeline failure strongly suggests internal corrosion from CO2 concentrations in the raw field gas. The pipeline was pigged 6 hours prior to the rupture thus minimal quantities of liquids were released from the rupture. All visual contamination was removed and disposed at the landfarm operated by Environmental Plus, Inc. Samples were collected from the point of rupture to verify the soils remaining were not contaminated. Analytical results will be submitted with the final C-141.

Describe Area Affected and Cleanup Action Taken.*
Surface soils were scrapped. Soils inside the point of release (excavation) were removed and placed in the landfarm owned and operated by Environmental Plus, Inc. Impact to soils was surficial. The P – Line had been pigged 6 hours prior to the rupture thus most of the normally occurring liquids had been swept from the line.

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: Lynn Ward	OIL CONSERVATION DIVISION
Printed Name: LYNN WARD	Approved by District Supervisor:
Title: ENV. SPECIALIST	Approval Date: / Expiration Date:
E-mail Address: lcward@duke-energy.com	Conditions of Approval: / Attached ☐
Date: 7/3/06 Phone: 432/620-4207	

* Attach Additional Sheets If Necessary

cc: Kevin Gerber, Facility 2.1.1.2
Liz Klein, Corp. 2.1.1.2