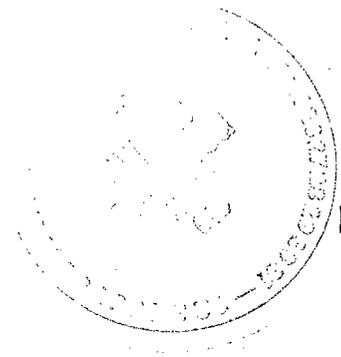




12 January 2006

Mr. Larry Johnson  
New Mexico Oil Conservation Division  
1625 French Drive  
Hobbs, New Mexico 88240



RE: Closure Report  
Dynegy Midstream Services North 24-Inch Release Site (Ref. # 210004)  
SE ¼ of the SE ¼, Sec. 15, T21S, R37E  
Lea County, New Mexico

Dear Mr. Johnson:

On June 19, 2004, a release reported as less than five-barrels of natural gas liquids (NGL) as a result of a line leak at the above-referenced site. Dynegy Midstream Services (Dynegy) retained Environmental Plus, Inc. (EPI) to delineate and remediate soil impacted above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds. EPI, on behalf of Mr. Roger Holland, Dynegy, submits this closure report for the above-referenced release site located on land owned by Mr. Charlie Bettis.

**Site Background**

The site is located in the SE ¼ of the SE ¼ of Section 15, Township 21 South, Range 37 East, in Lea County, New Mexico on land owned by Mr. Charlie Bettis (reference *Figures 1* and *2*). A search for area water wells was completed utilizing the New Mexico Office of the State Engineer database, United States Geological Survey (USGS) database and USGS topographic maps of section 15, as well as adjacent sections. A total of fifty-three wells were found to be located in the area; however, only eighteen wells are located within a one-mile radius of the release site. There are no wells located within a 1,000-foot radius of the release site (reference *Figure 2*). The average reported depth to water in these wells is approximately 55 feet below ground surface (bgs) (reference *Table 3*). Based on available information, it was determined that the distance between the contamination and groundwater was <50 feet. Based on the distance from domestic water supply wells, depth to ground water and distance from bodies of surface water, NMOCD remedial goals are:

Parameter	Remedial Goal
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	100 mg/Kg

*Chloride and sulfate residuals may not be capable of impacting groundwater above the New Mexico Water Quality Control Commission standards of 250 and 650 mg/L, respectively.*

*Facility # PAC 061445960  
incident - PAC 0614452059*

*application - PAC 0614452225*

ENVIRONMENTAL PLUS, INC.

## **Field Work**

In July 2004, EPI personnel excavated approximately 344 cubic yards (yd<sup>3</sup>) of NGL saturated soil, which was transported to EPI's Landfarm for treatment. Approximately 302 yd<sup>3</sup> of clean backfill were obtained from Mr. Charlie Bettis and stockpiled near the excavation area.

On July 19, 2005, soil samples were collected to determine extents of impacted soil. A total of eleven samples were collected and analyzed in the field for the presence of organic vapors utilizing an UltraRae photoionization detector (PID) equipped with a 9.8 electron-volt (eV) lamp. Grab samples were collected from the east and west ends of the north and south sidewalls, the excavation floor on the east, west and center, the east and west sidewalls and the east and west portions of the flowpath area for field analyses (reference *Figure 3*). Field analyses indicated organic vapor concentrations ranged from 0.6 to 1,532 ppm (reference *Table 1*).

Upon completion of field analyses, samples from the east and west sidewalls, east and west flowpath, and composite samples assembled from the north sidewall, south sidewall and excavation floor grab samples were placed in laboratory provided containers (reference *Figure 3*). The containers were then set on ice for transport to an independent laboratory for quantification of total petroleum hydrocarbons (TPH) via EPA 8015 Modified and benzene, toluene, ethylbenzene, and total xylenes (BTEX) via EPA Method 8260B.

Based on analytical results for samples collected on July 9, 2005, excavation of the remaining NGL-impacted soil began on September 2, 2005. Approximately five-feet were removed from the existing southern, eastern and western sidewalls and to a depth of 19-feet bgs. PID field analyses indicated organic vapor concentrations in the sidewalls were below 100 ppm; however, concentrations in the excavation floor remained over 100 ppm.

On September 13, 2005, a soil boring was advanced at the point of release to delineate the vertical extent of contamination. Soil samples were collected at 24, 29 and 34-feet bgs (reference *Figure 4*). A portion of each sample was analyzed in the field for the presence of organic vapors, the remaining portion was submitted for laboratory analyses.

Based on analytical results obtained from the September 13, 2005 soil borings, excavation activities continued. The excavation was to a maximum depth of approximately 24-feet bgs in the northern portion of the excavation and 19-feet bgs in the southern portion.

On October 25, 2005, EPI personnel collected 10 grab type soil samples from the excavation sidewalls and floor (reference *Figure 5*). A portion of each sample was placed in a laboratory provided container and set on ice for transport Cardinal Laboratories of Hobbs, New Mexico for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) and total petroleum hydrocarbons (TPH). Analytical results for all sample locations indicate hydrocarbon concentrations were below NMOCD remedial thresholds for the site, with the exception of the sample collected from the east sidewall (ESW). Analytical results for sample ESW indicated TPH concentrations were 486 mg/Kg, in excess of the site NMOCD remedial thresholds of 100 mg/Kg (reference *Table 1*).

On October 31, 2005, excavation activities resumed to remove the remaining hydrocarbon impacted soil from the east sidewall. On November 1, 2005, after proper notification was provided to the NMOCD, EPI personnel collected a grab soil sample from the east sidewall. A

portion of the sample was placed in a laboratory provided container and set on ice for transport to Cardinal Laboratories for quantification of TPH and BTEX constituent concentrations.

Analytical results for the soil sample collected from the east sidewall on November 1 (ESW) indicated TPH and BTEX constituent concentrations were non-detectable at or above NMOCD remedial thresholds (reference *Table 1*).

The excavation currently comprised an area of approximately 5,640 square feet to a maximum depth of 30 feet at the point of release (reference Figure 5). Approximately 2,150 cubic yards of soil impacted above the NMOCD remedial thresholds was excavated and transported to the State of New Mexico approved EPI Land Farm for treatment. Approximately 1,800 cubic yards of clean soil was purchased from the landowner, combined with the previously purchased soil to be utilized as backfill for the excavation.

From December 8 through 12, 2005, the excavation was backfilled with the clean soil and contoured/graded to allow natural drainage. Final remediation activities are limited to seeding the remediation site with a seed mixture preferred by the landowner.

### **Analytical Data**

#### **Excavation Samples**

Laboratory analytical results for the north sidewall composite sample (DMSN24071905NSWC) indicated TPH and BTEX concentrations were non-detectable (ND) at or above laboratory method detection limits (MDL). Chloride concentrations were reported at 22.2 mg/Kg and sulfate was 32.8 mg/Kg (reference *Table 1*).

Laboratory analytical results for the south sidewall composite sample (DMSN24071905SSWC) indicated TPH concentrations were 9,010 mg/Kg, in excess of the NMOCD remedial threshold of 100 mg/Kg. Reported BTEX concentrations were 0.0617 mg/Kg, below the NMOCD remedial threshold of 50 mg/Kg. Chloride concentrations were reported at 16.0 mg/Kg and sulfate was 32.8 mg/Kg (reference *Table 1*).

Laboratory analytical results for the excavation floor composite sample (DMSN24071905BC) indicated TPH concentrations were 1,170 mg/Kg, in excess of the NMOCD remedial threshold of 100 mg/Kg. BTEX constituents were ND at or above each analytes respective laboratory MDL. Reported chloride concentrations were 17.1 mg/Kg and sulfate concentrations were 25.5 mg/Kg (reference *Table 1*).

Laboratory analytical results for the east sidewall grab sample (DMSN24071905ESW) indicated TPH concentrations were 796 mg/Kg, in excess of the NMOCD remedial threshold of 100 mg/Kg. Reported BTEX constituents were not detected at or above each analytes respective laboratory MDL. Chloride concentrations were reported at 18.7 mg/Kg. Sulfate concentrations were 22.5 mg/Kg (reference *Table 1*).

Laboratory analytical results for the west sidewall grab sample (DMSN24071905WSW) indicated TPH concentrations were 10,170 mg/Kg, in excess of the NMOCD remedial threshold of 100 mg/Kg. Reported BTEX concentrations were 0.0360 mg/Kg, below the NMOCD remedial threshold of 50 mg/Kg. Analytical results indicated chloride concentrations were 60.2 mg/Kg, and sulfate concentrations were 59.5 mg/Kg (reference *Table 1*).

Laboratory analytical results for the west flowpath grab sample (DMSN24071905WFP) indicated TPH concentrations were 54.7 mg/Kg, below the NMOCD remedial threshold of 100 mg/Kg. BTEX constituents were ND at or above each analytes respective laboratory MDL. Reported chloride concentrations were 21.8 mg/Kg and sulfate concentrations were 20.0 mg/Kg (reference *Table 1*).

Laboratory analytical results for the east flowpath grab sample (DMSN24071905EFP) indicated TPH concentrations were 84.0 mg/Kg, below the NMOCD remedial threshold of 100 mg/Kg. BTEX constituents were ND at or above each analytes respective laboratory MDL. Reported chloride concentrations were 31.3 mg/Kg and sulfate concentrations were 611 mg/Kg (reference *Table 1*).

Laboratory analytical results for soil sample collected from the northwest sidewall (NWSW) on 25 October 2005 indicated BTEX constituents were ND at or above laboratory MDL. Reported TPH concentrations were 15.1 mg/Kg, below the NMOCD remedial threshold of 100 mg/Kg (reference *Table 1*).

Laboratory analytical results for soil sample collected from the west sidewall (WSW) on 25 October 2005, indicated BTEX constituent concentrations were ND at or above laboratory MDL. Reported TPH concentrations were 34.0 mg/Kg, below the NMOCD remedial threshold of 100 mg/Kg (reference *Table 1*).

Laboratory analytical results for soil samples collected from the northeast sidewall (NESW), southwest sidewall (SWSW), south sidewall (SSW), southeast sidewall (SESW), west excavation floor (WEF), center excavation floor (CEF) and east excavation floor (EEF) on 25 October 2005, indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Table 1*).

Laboratory analytical results for soil sample collected from the east sidewall (ESW) on 25 October 2005 indicated BTEX constituent concentrations were ND at or above laboratory MDL. Reported TPH concentrations were 486 mg/Kg, in excess of the NMOCD remedial threshold of 100 mg/Kg. The soil sample collected on 1 November 2005 from the east sidewall (ESW) indicated TPH and BTEX constituent concentrations were ND at or above laboratory MDL (reference *Table 1*).

#### Soil Boring

Laboratory analytical results for the soil boring sample collected at 24-feet bgs (BH-1 24') indicated BTEX concentrations of 0.019 mg/kg, below the NMOCD remedial threshold of 50 mg/Kg. TPH concentrations were reported at 18.9 mg/Kg, below the NMOCD remedial threshold of 100 mg/Kg. Reported chloride concentrations were 32 mg/Kg (reference *Table 2*).

Laboratory analytical results for the soil boring sample collected at 29-feet bgs (BH-1 29') and at 34-feet bgs (BH-1 34') indicated TPH and BTEX constituent concentrations were not detected at or above laboratory MDL. Reported chloride concentrations were 16 mg/Kg at 29-feet bgs and 48 mg/Kg at 34-feet bgs, below NMWQCC groundwater standards (reference *Table 2*).

#### Closure Justification

Based on field and analytical data, hydrocarbon impacted soil above the NMOCD remedial thresholds has been successfully removed from the excavation. Approximately 2,150 cubic yards of excavated, hydrocarbon impacted soil was transported to the Environmental Plus, Inc. Land

Farm for treatment. An equivalent amount of clean soil was purchased from the landowner and utilized to backfill the excavation. The site was then graded/contoured to for allow natural drainage. The final closure activity to be performed at the site is seeding with a seed blend preferred by the landowner.

Environmental Plus, Inc., on behalf of Dynegy Midstream Services, requests the NMOCD require "no further action" and issue a site closure letter.

Should you have any questions or concerns, please feel free to contact Iain Olness or me at (505) 394-3481 or via e-mail at iolness@envplus.net or jstegemoller@envplus.net. Mr. Roger Holland can be contacted at (505) 631-7094 or via email at Roger.Holland@Dynegy.com. All official correspondence should be remitted to:

Dynegy Midstream Services  
Roger Holland  
P.O. Box 1929  
Eunice, New Mexico  
88231

Sincerely,

ENVIRONMENTAL PLUS, INC.



Jason Stegemoller, M.S.  
Environmental Scientist



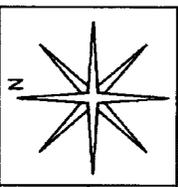
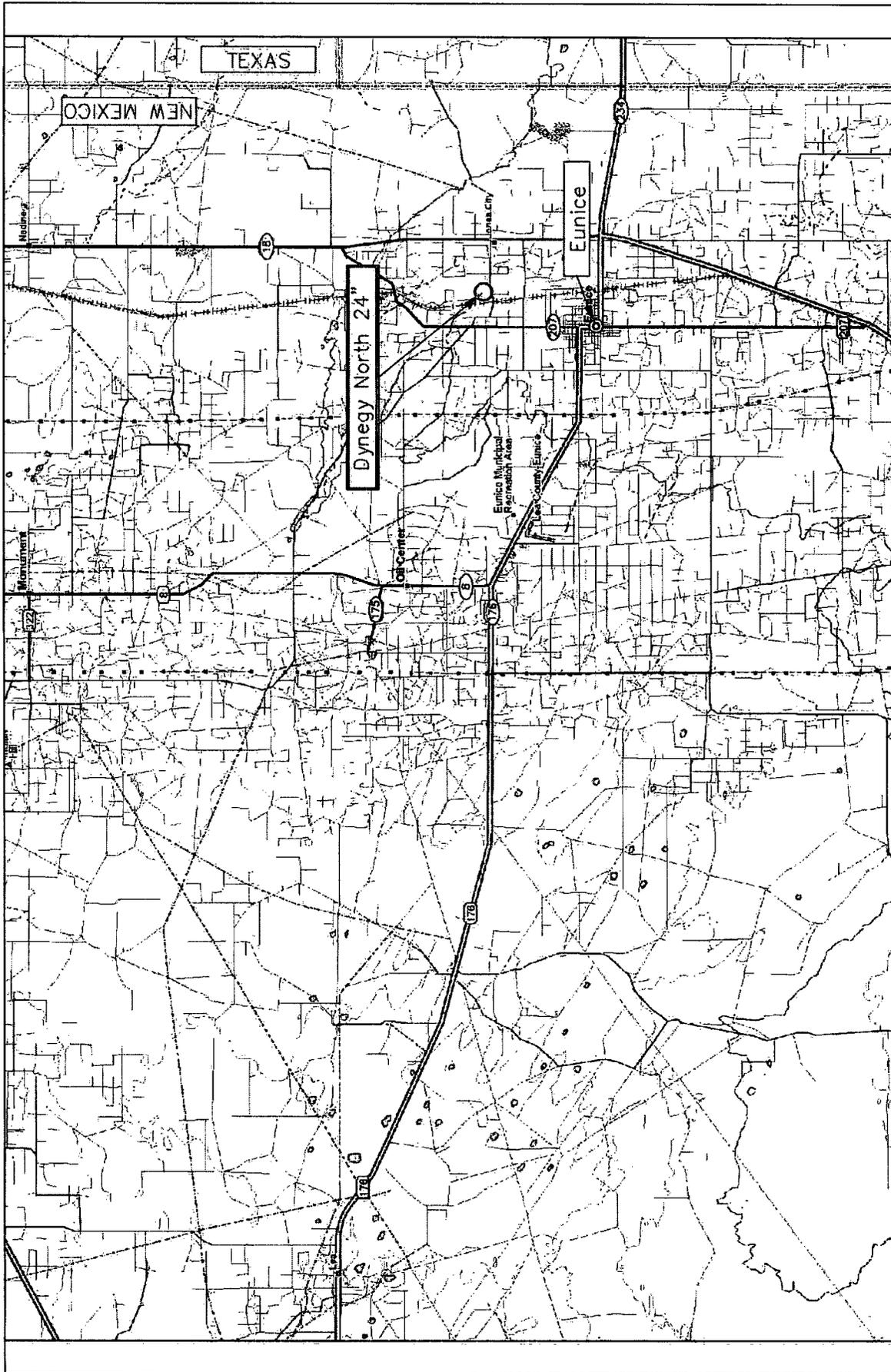
Iain Olness, P.G.  
Hydrogeologist

cc: File  
Roger Holland- Dynegy, Eunice  
Charlie Bettis- Landowner

Attachments: Attachment I – Figures  
Attachment II – Tables  
Attachment III – Laboratory Analytical Results and Chain-of-Custody Forms  
Attachment IV – Site Photographs  
Attachment V – NMOCD Final C-141

# **Attachment I**

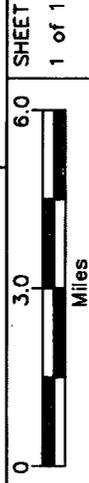
## **Figures**

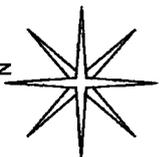
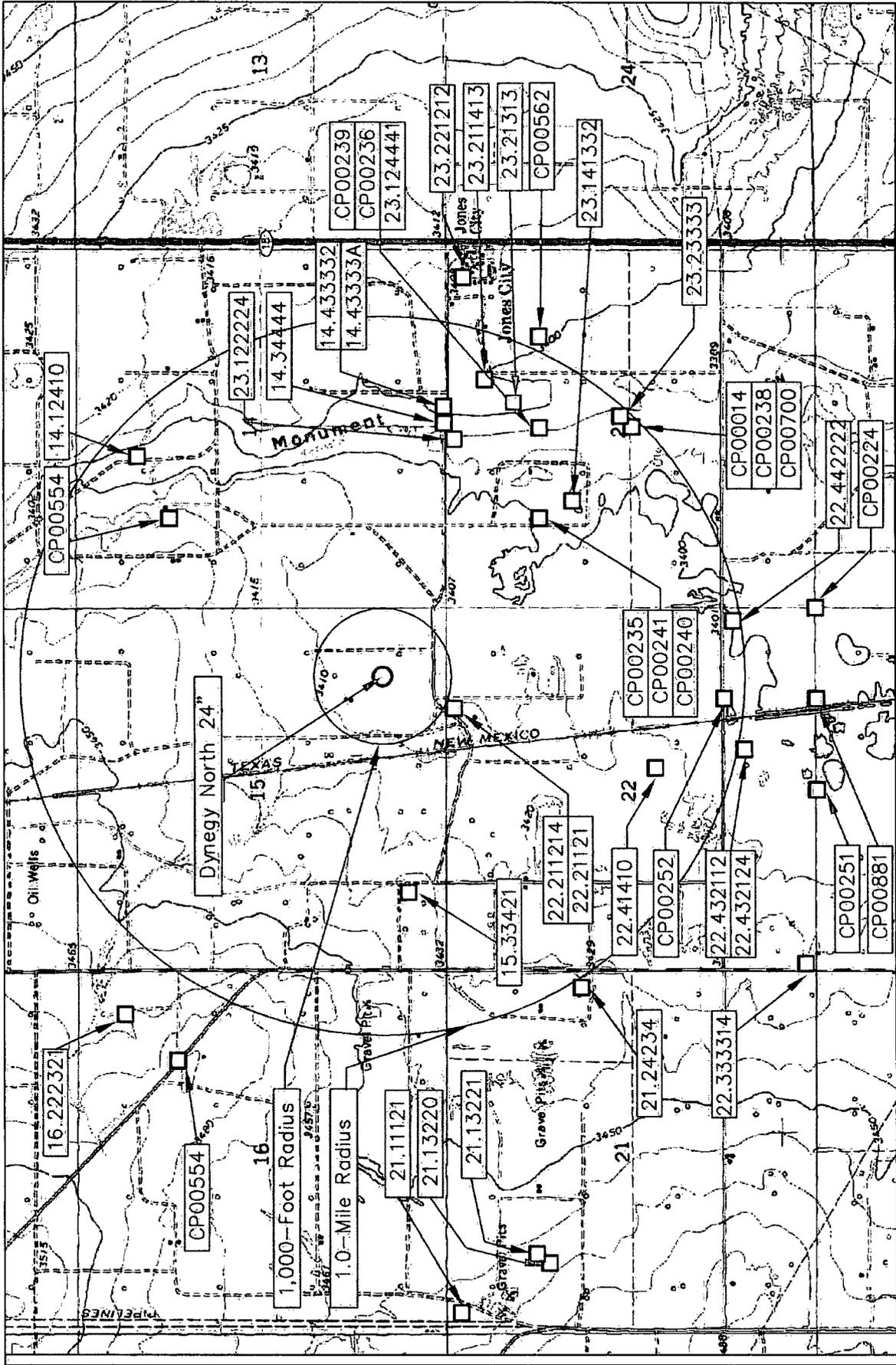


REVISED:  
 DWG By: Jason Stegemoller  
 July 2005

Lea County, New Mexico  
 SE 1/4 of the SE 1/4, Sec. 15, T21S, R37E  
 N 32° 28' 26.54" W 103° 08' 42.02"  
 Elevation: 3,419 feet amsl

Figure 1  
 Area Map  
 Dynegy Midstream Services  
 North 24"



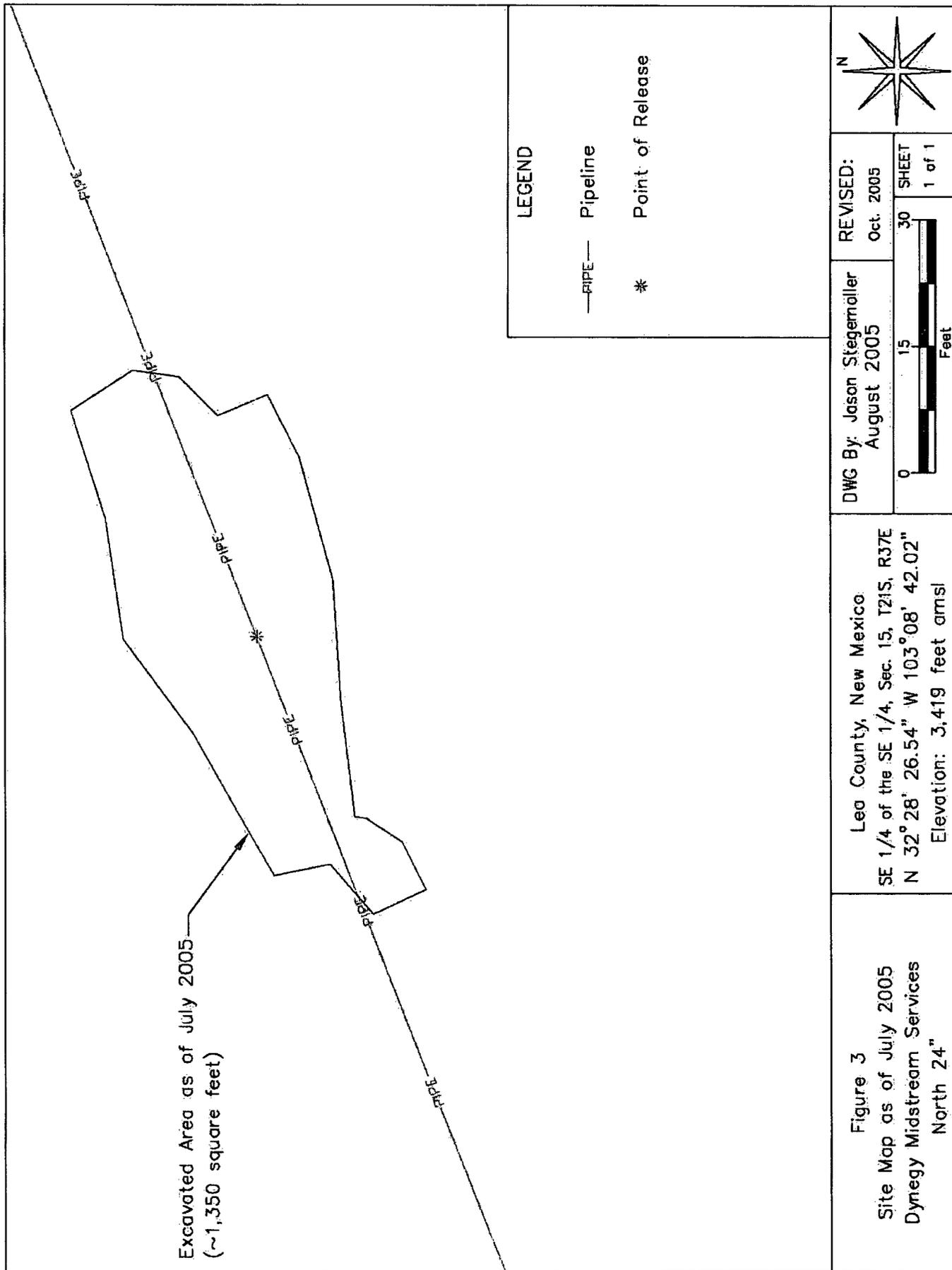


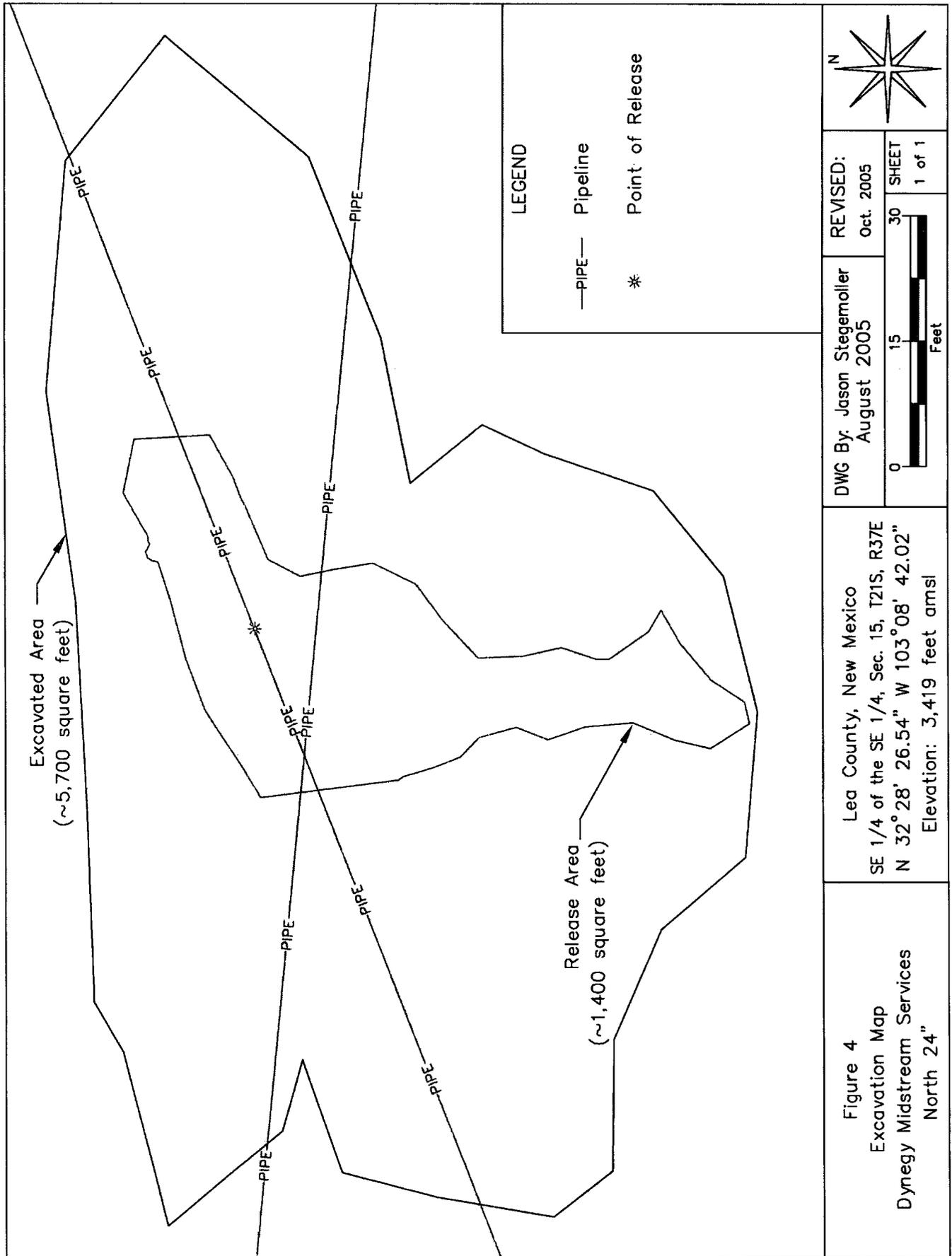
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 4,000 SHEET  
 1 of 1

DWG By: Jason Stegemoller  
 July 2005

Lea County, New Mexico  
 SE 1/4 of the SE 1/4, Sec. 15, T21S, R37E  
 N 32°28' 26.54" W 103°08' 42.02"  
 Elevation: 3,419 feet amsl

Figure 2  
 Site and Well Location Map  
 Dynege Midstream Services  
 North 24"





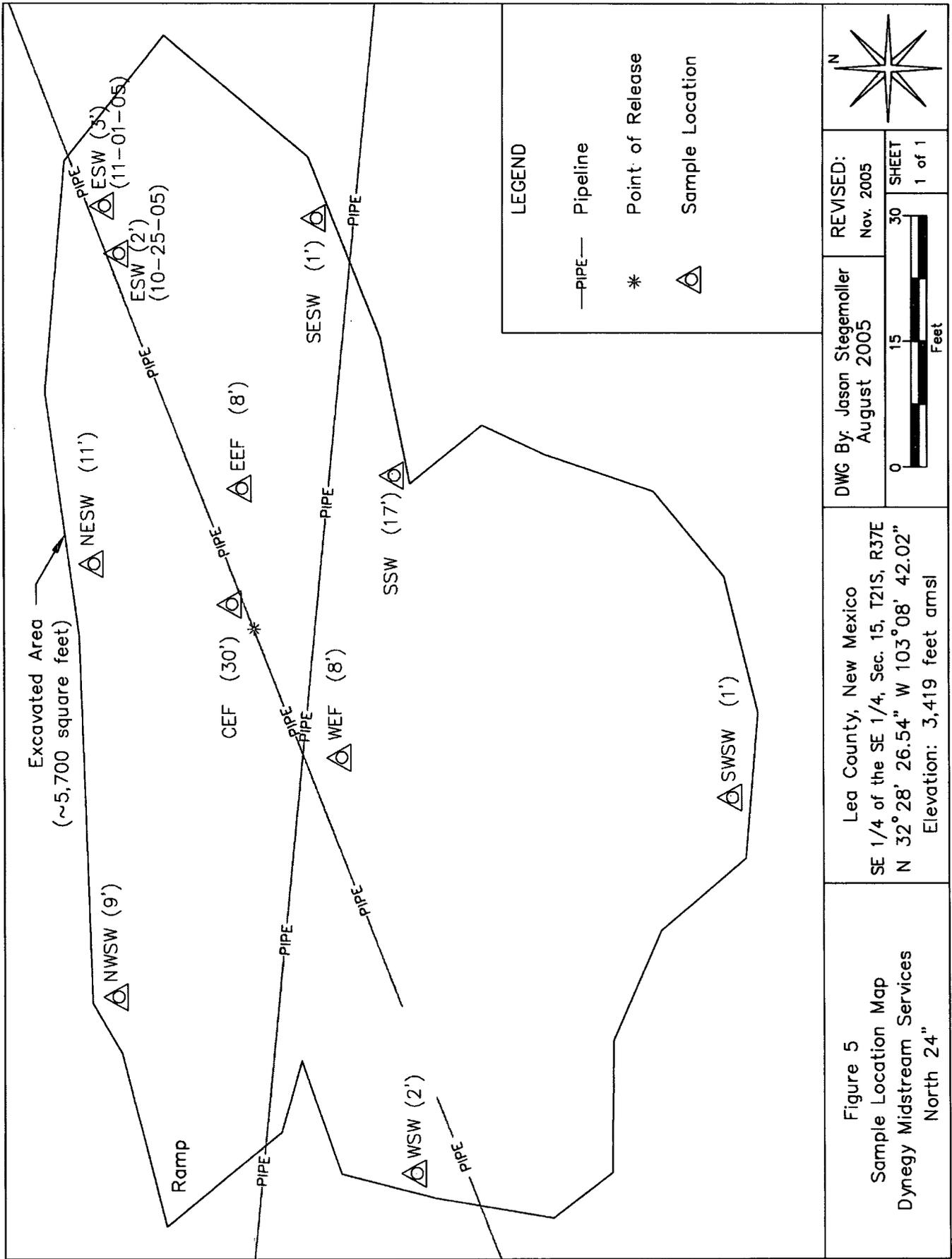


Figure 5  
 Sample Location Map  
 Dynege Midstream Services  
 North 24"

Lea County, New Mexico  
 SE 1/4 of the SE 1/4, Sec. 15, T21S, R37E  
 N 32° 28' 26.54" W 103° 08' 42.02"  
 Elevation: 3,419 feet amsl

DWG By: Jason Stegemoller  
 August 2005

REVISID:  
 Nov. 2005

0 15 30  
 Feet

SHEET  
 1 of 1

LEGEND

—PIPE— Pipeline

\* Point of Release

△ Sample Location

# **Attachment II**

## **Tables**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Dynegy Midstream Services- North 24-inch (Ref. #21004)**

Sample I.D.	Depth (feet)	Soil Status	PID Analyzes (ppm)	Sample Date	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)
DMSN24071905N SWC	Comp	Excavated	--	19-Jul-05	<0.0250	<0.0250	<0.0250	<0.05	<0.125	<10.0	<10.0	<20.0	22.2	32.8
North West Sidewall	5	Excavated	1532	19-Jul-05	--	--	--	--	--	--	--	--	--	--
North East Sidewall	5	Excavated	0.6	19-Jul-05	--	--	--	--	--	--	--	--	--	--
DMSN24071905S SWC	Comp	Excavated	--	19-Jul-05	<0.0250	<0.0250	0.0157 <sup>1</sup>	0.046	0.0617	159	8,850	9,010	16.0	27.5
South West Sidewall	5	Excavated	20.7	19-Jul-05	--	--	--	--	--	--	--	--	--	--
South East Sidewall	5	Excavated	41.1	19-Jul-05	--	--	--	--	--	--	--	--	--	--
DMSN24071905E SW	1	Excavated	43.3	19-Jul-05	<0.0250	<0.0250	<0.0250	<0.05	<0.125	9.70 <sup>1</sup>	786	796	18.7	22.5
DMSN24071905 W/SW	1	Excavated	123	19-Jul-05	<0.0250	<0.0250	<0.0250	0.036	0.036	66.7	10,100	10,200	60.2	59.5
DMSN24071905B C	Comp	Excavated	--	19-Jul-05	<0.0250	<0.0250	<0.0250	<0.05	<0.125	16.6	1,150	1,170	17.1	25.5
Bottom West	9	Excavated	960	19-Jul-05	--	--	--	--	--	--	--	--	--	--
Bottom Center	9	Excavated	134	19-Jul-05	--	--	--	--	--	--	--	--	--	--
Bottom East	9	Excavated	181	19-Jul-05	--	--	--	--	--	--	--	--	--	--
DMSN24071905 WFP	2	In Situ	31.9	19-Jul-05	<0.0250	<0.0250	<0.0250	<0.05	<0.125	<10.0	54.7	54.7	21.8	20
DMSN24071905E FP	2	In Situ	95.4	19-Jul-05	<0.0250	<0.0250	<0.0250	<0.05	<0.125	<10.0	84.1	84.1	31.3	611

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Dynergy Midstream Services- North 24-inch (Ref. #21004)**

Sample I.D.	Depth (feet)	Soil Status	PID Analyses (ppm)	Sample Date	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)
NWSW	9	In Situ	1.0	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	15.1	15.1	--	--
NESW	11	In Situ	1.5	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<10.0	--	--
WSW	2	In Situ	2.3	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	34.0	34.0	--	--
SWSW	1	In Situ	1	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
SSW	17	In Situ	1	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
SESW	1	In Situ	1	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
WEF	8	In Situ	2.1	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
CEF	30	In Situ	1.8	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
EEF	8	In Situ	1.9	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
ESW	2	Excavated	3.5	25-Oct-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	486	486	--	--
ESW	3	In Situ	--	01-Nov-05	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	--	--
<b>NMOC Remedial Thresholds</b>					<b>10</b>				<b>50</b>			<b>100</b>	<b>250<sup>2</sup></b>	<b>650<sup>2</sup></b>

*Bolded values are in excess of NMOC Remediation Thresholds*

*Comp-Composite Sample*

*1- Estimated value, analyte detected below reporting limit*

*2- Chloride and Sulfate residuals may not be capable of impacting local groundwater above the NMVOC standards of 250 mg/L and 650 mg/L.*

**TABLE 2**  
**Summary of Soil Boring Soil Sample Laboratory Analytical Results**

**Dynegy Midstream Services- North 24-inch (Ref. #21004)**

Soil Boring	Sample I.D.	Depth (feet)	Soil Status	PID Analyses (ppm)	Sample Date	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)						
Soil Boring SB-1	BH-1 (19')	19	In Situ	1365	13-Sep-05	--	--	--	--	--	--	--	--	--						
	BH-1 (24')	24	In Situ	25.8	13-Sep-05	<0.005	<0.005	<0.005	0.019	0.0340	<10.0	18.9	18.9	32.0						
	BH-1 (29')	29	In Situ	11.4	13-Sep-05	<0.005	<0.005	<0.005	<0.005	<0.030	<10.0	<10.0	<20.0	16.0						
	BH-1 (34')	34	In Situ	9.2	13-Sep-05	<0.005	<0.005	<0.005	<0.005	<0.030	<10.0	<10.0	<20.0	48.0						
<b>NMOCD Remedial Thresholds</b>											<b>10</b>				<b>50</b>				<b>100</b>	<b>250<sup>2</sup></b>

*Bolded values are in excess of NMOCD Remediation Thresholds*

*Comp-Composite Sample*

<sup>1</sup> *Estimated value, analyte detected below reporting limit*

<sup>2</sup> *Chloride residuals may not be capable of impacting local groundwater above the NMWQCC standards of 250 mg/l.*

TABLE 3

Well Data

Dynergy Midstream Services- North 24" (Ref. #210004)

Well Number	Diversion <sup>A</sup>	Owner	Use	Twp	Rng	Sec	q	q	q	Latitude	Longitude	Date Measured	Surface Elevation <sup>B</sup>	Well Depth (ft. bgs)	Depth to Water (ft. bgs)
CP-00014	75	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	2	3	1	N 32° 27' 51.29"	W 103° 07' 59.85"	09-Dec-48	3,392	84	
CP-00224	31	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	3	3	4	N 32° 27' 25.17"	W 103° 08' 30.61"	30-Jun-49	3,402	96	
CP-00235	61	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	1	2	2	N 32° 28' 04.35"	W 103° 08' 15.28"	30-Nov-48	3,403	81	
CP-00236	40	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	2	1	3	N 32° 28' 04.35"	W 103° 07' 59.85"	31-Dec-48	3,393	83	
CP-00238	40	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	2	3	3	N 32° 27' 51.29"	W 103° 07' 59.85"	31-Dec-48	3,392	81	
CP-00239	25	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	2	1	1	N 32° 28' 04.35"	W 103° 07' 59.85"	30-Jun-61	3,395	89	
CP-00240	34	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	1	2	4	N 32° 28' 04.35"	W 103° 08' 15.28"	31-May-62	3,403	72	
CP-00241	48	VERSADO GAS PROCESSORS, LLC	IND	21S	37E	23	1	2	4	N 32° 28' 04.35"	W 103° 08' 15.28"	31-Mar-64	3,405	76	
CP-00554	3	MILLARD DECK	STK	21S	37E	22	4	3	2	N 32° 27' 25.15"	W 103° 09' 01.37"	31-Dec-48	3,406	103	
CP-00562	3	JIMMIE D. WEIR	STK	21S	37E	16	2	2		N 32° 28' 55.57"	W 103° 09' 47.62"	05-Jun-76	3,494	80	70.0
CP-00700	3	WAYNE R. WALKER	MUL	21S	37E	23	2	2		N 32° 28' 04.35"	W 103° 07' 44.46"	23-Dec-76	3,400	136	65.0
CP-00881	3	RICHARD DON JONES	DOM	21S	37E	22	4	4	3	N 32° 27' 51.29"	W 103° 07' 59.85"	10-Sep-86	3,392	75	65.0
14-12410				21S	37E	14	1	2	4	N 32° 27' 25.16"	W 103° 08' 45.99"	07-Sep-99	3,406	95	53.0
14-34444				21S	37E	14	3	4	4			13-Mar-96	3,403	27.8	
14-4333A				21S	37E	14	4	3	3			23-Jan-76	3,400	48.6	
14-4333Z				21S	37E	14	4	3	3			19-Apr-91	3,404	55.1	
15-33421				21S	37E	15	3	3	4			02-Nov-65	3,404	52.6	
16-22321				21S	37E	16	2	2	2			19-Apr-91	3,435	49.1	
21-11121				21S	37E	21	1	1	1			24-Apr-91	3,475	63.5	
21-13220				21S	37E	21	1	2	2			10-Jan-94	3,468	73.1	
21-13221				21S	37E	22	1	3	2			10-Dec-70	3,472	80.1	
21-24234				21S	37E	22	2	4	2			02-Dec-65	3,469	77.8	
22-21121				21S	37E	22	2	1	1			25-Apr-91	3,433	56.1	
22-211214				21S	37E	22	2	1	1			22-Feb-96	3,415	42.5	
22-333314				21S	37E	23	3	3	3			23-Feb-96	3,415	42.8	
22-41410				21S	37E	22	4	1	4			17-Apr-91	3,427	46.1	
22-43212				21S	37E	22	4	3	2			27-Jan-76	3,415	68.8	
22-432124				21S	37E	23	4	3	2			19-Apr-77	3,412	66.6	
22-44222				21S	37E	23	4	4	2			27-Jan-76	3,412	66.7	
23-124441				21S	37E	24	1	2	2			17-Apr-91	3,400	58.6	
23-141332				21S	37E	24	1	4	1			17-Dec-70	3,396	50.1	
23-214113				21S	37E	23	2	1	1			05-Mar-66	3,393	49.6	
23-21313				21S	37E	23	2	1	3			27-Jan-76	3,400	62.1	
23-221212				21S	37E	23	2	2	1			17-Dec-70	3,406	58.3	
23-23333				21S	37E	23	3	3	3			19-Mar-65	3,406	51.8	
09-214331				21S	37E	09	2	1	4			30-Nov-65	3,416	55.2	
09-22430				21S	37E	09	2	2	4			23-Feb-96	3,392	45.8	
09-241211				21S	37E	09	2	4	1			16-Dec-70		69.4	
09-241213				21S	37E	09	2	4	1			12-Mar-68		61.5	
10-241312				21S	37E	10	2	4	1			13-Mar-96		58.1	
				21S	37E	10	2	4	1			16-Dec-70		61.0	
				21S	37E	10	2	4	1			24-Apr-91		24.9	

**TABLE 3**  
**Well Data**  
**Dynegy Midstream Services- North 24" (Ref. #210004)**

Well Number	Diversion <sup>A</sup>	Owner	Use	Twsp	Rng	Sec	q	q	q	Latitude	Longitude	Date Measured	Surface Elevation <sup>B</sup>	Well Depth (ft bgs)	Depth to Water (ft bgs)
10.422222				21S	37E	10	4	2	2			26-Feb-81			24.4
11.311111				21S	37E	11	3	1	1			21-Apr-55			36.2
11.311114				21S	37E	11	3	1	1			23-Jan-76			21.1
22.21222				21S	37E	22	2	1	2			17-Dec-70			56.6
23.12240				21S	37E	23	1	2	2			17-Dec-70			48.0
23.22223				21S	37E	23	2	2	2			30-Nov-65			54.5
23.231313				21S	37E	23	2	3	1			05-Mar-66			50.8
23.312444				21S	37E	23	3	1	2			17-Dec-70			63.0
23.322222				21S	37E	23	3	2	2			17-Dec-70			47.5
23.331112				21S	37E	23	3	3	1			12-Jun-52			79.1
23.33411				21S	37E	23	3	3	4			27-Jan-76			60.4
23.343313				21S	37E	23	3	4	3			22-Jun-53			68.9

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.ose.state.nm.us:7001/IWATERS/wr\\_RegisServlet1](http://iwaters.ose.state.nm.us:7001/IWATERS/wr_RegisServlet1))

Shaded area indicates well locations shown on Figure 2

<sup>A</sup> = in acre feet per annum

<sup>B</sup> = Elevation interpolated from USGS topographical map based on referenced location.

IND = Industrial

DOM = Domestic

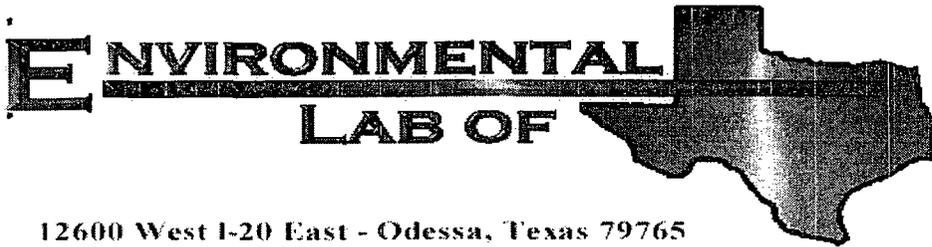
STK = Livestock watering

MUL = Multiple domestic households

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

## **Attachment III**

# **Laboratory Analytical Results and Chain of Custody Forms**



12600 West I-20 East - Odessa, Texas 79765

# Analytical Report

**Prepared for:**

Jason Stegemoller

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Dynegy Midstream/ North 24"

Project Number: 210004

Location: Sec 15, T21S, R37E, SE 1/4 of SE 1/4

Lab Order Number: 5G27008

Report Date: 08/01/05

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

Project: Dynege Midstream/ North 24"  
Project Number: 210004  
Project Manager: Jason Stegemoller

Fax: 505-394-2601  
**Reported:**  
08/01/05 10:37

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DMSN24071905NSWC	5G27008-01	Soil	07/19/05 12:40	07/27/05 11:05
DMSN24071905SSWC	5G27008-02	Soil	07/19/05 12:45	07/27/05 11:05
DMSN24071905ESW	5G27008-03	Soil	07/19/05 12:54	07/27/05 11:05
DMSN24071905WSW	5G27008-04	Soil	07/19/05 13:00	07/27/05 11:05
DMSN24071905BC	5G27008-05	Soil	07/19/05 13:10	07/27/05 11:05
DMSN24071905WFP	5G27008-06	Soil	07/19/05 13:20	07/27/05 11:05
DMSN24071905EFP	5G27008-07	Soil	07/19/05 13:30	07/27/05 11:05

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DMSN24071905NSWC (5G27008-01) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/27/05	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>		89.9 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.1 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG52706	07/27/05	07/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		79.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		114 %	70-130		"	"	"	"	
<b>DMSN24071905SSWC (5G27008-02) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/28/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>J [0.0157]</b>	0.0250	"	"	"	"	"	"	J
<b>Xylene (p/m)</b>	<b>0.0464</b>	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.8 %	80-120		"	"	"	"	
<b>Gasoline Range Organics C6-C12</b>	<b>159</b>	10.0	mg/kg dry	1	EG52706	07/27/05	07/27/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>8850</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>9020</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		81.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		406 %	70-130		"	"	"	"	S-04
<b>DMSN24071905ESW (5G27008-03) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/27/05	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>		83.3 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.3 %	80-120		"	"	"	"	
<b>Gasoline Range Organics C6-C12</b>	<b>J [9.70]</b>	10.0	mg/kg dry	1	EG52706	07/27/05	07/27/05	EPA 8015M	J
<b>Diesel Range Organics &gt;C12-C35</b>	<b>786</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>786</b>	10.0	"	"	"	"	"	"	

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

Project: Dynege Midstream/ North 24"  
Project Number: 210004  
Project Manager: Jason Stegemoller

Fax: 505-394-2601

Reported:  
08/01/05 16:30

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DMSN24071905ESW (5G27008-03) Soil</b>									
Surrogate: 1-Chlorooctane		76.2 %	70-130		EG52706	07/27/05	07/27/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	
<b>DMSN24071905WSW (5G27008-04) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/28/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	<b>0.0360</b>	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.4 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	<b>66.7</b>	10.0	mg/kg dry	1	EG52706	07/27/05	07/27/05	EPA 8015M	
Diesel Range Organics >C12-C35	<b>10100</b>	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	<b>10200</b>	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		412 %	70-130		"	"	"	"	S-04
<b>DMSN24071905BC (5G27008-05) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/27/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.1 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	<b>16.6</b>	10.0	mg/kg dry	1	EG52706	07/27/05	07/27/05	EPA 8015M	
Diesel Range Organics >C12-C35	<b>1150</b>	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	<b>1170</b>	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		71.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-130		"	"	"	"	

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DMSN24071905WFP (5G27008-06) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/27/05	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>		87.7 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.1 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG52706	07/27/05	07/28/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>54.7</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>54.7</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		80.0 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		103 %	70-130		"	"	"	"	

**DMSN24071905EFP (5G27008-07) Soil**

Benzene	ND	0.0250	mg/kg dry	25	EG52707	07/27/05	07/27/05	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>		84.4 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG52706	07/27/05	07/28/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>84.1</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>84.1</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		76.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		101 %	70-130		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DMSN24071905NSWC (5G27008-01) Soil</b>									
Chloride	22.2	5.00	mg/kg	10	EG52911	07/28/05	07/28/05	EPA 300.0	
% Moisture	1.4	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
Sulfate	32.8	5.00	mg/kg	10	EG52911	07/28/05	07/28/05	EPA 300.0	
<b>DMSN24071905SSWC (5G27008-02) Soil</b>									
Chloride	16.0	5.00	mg/kg	10	EG52911	07/28/05	07/28/05	EPA 300.0	
% Moisture	1.3	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
Sulfate	27.5	5.00	mg/kg	10	EG52911	07/28/05	07/28/05	EPA 300.0	
<b>DMSN24071905ESW (5G27008-03) Soil</b>									
Chloride	18.7	5.00	mg/kg	10	EG52911	07/28/05	07/28/05	EPA 300.0	
% Moisture	1.4	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
Sulfate	22.5	5.00	mg/kg	10	EG52911	07/28/05	07/28/05	EPA 300.0	
<b>DMSN24071905WSW (5G27008-04) Soil</b>									
Chloride	60.2	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	EPA 300.0	
% Moisture	1.9	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
Sulfate	59.5	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	EPA 300.0	
<b>DMSN24071905BC (5G27008-05) Soil</b>									
Chloride	17.1	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	EPA 300.0	
% Moisture	2.5	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
Sulfate	25.5	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	EPA 300.0	
<b>DMSN24071905WFP (5G27008-06) Soil</b>									
Chloride	21.8	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	EPA 300.0	
% Moisture	1.2	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
Sulfate	20.0	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	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
<b>DMSN24071905EFP (5G27008-07) Soil</b>									
<b>Chloride</b>	<b>31.3</b>	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	EPA 300.0	
<b>% Moisture</b>	<b>1.8</b>	0.1	%	1	EG52809	07/27/05	07/28/05	% calculation	
<b>Sulfate</b>	<b>611</b>	5.00	mg/kg	10	EG52912	07/28/05	07/28/05	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
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**Batch EG52706 - Solvent Extraction (GC)**

**Blank (EG52706-BLK1)**

Prepared & Analyzed: 07/27/05

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	40.2		mg/kg	50.0		80.4	70-130			
Surrogate: 1-Chlorooctadecane	47.2		"	50.0		94.4	70-130			

**LCS (EG52706-BS1)**

Prepared & Analyzed: 07/27/05

Gasoline Range Organics C6-C12	399	10.0	mg/kg wet	500		79.8	75-125			
Diesel Range Organics >C12-C35	446	10.0	"	500		89.2	75-125			
Total Hydrocarbon C6-C35	845	10.0	"	1000		84.5	75-125			
Surrogate: 1-Chlorooctane	40.3		mg/kg	50.0		80.6	70-130			
Surrogate: 1-Chlorooctadecane	49.5		"	50.0		99.0	70-130			

**Calibration Check (EG52706-CCV1)**

Prepared: 07/27/05 Analyzed: 07/28/05

Gasoline Range Organics C6-C12	419		mg/kg	500		83.8	80-120			
Diesel Range Organics >C12-C35	458		"	500		91.6	80-120			
Total Hydrocarbon C6-C35	877		"	1000		87.7	80-120			
Surrogate: 1-Chlorooctane	45.3		"	50.0		90.6	0-200			
Surrogate: 1-Chlorooctadecane	57.3		"	50.0		115	0-200			

**Matrix Spike (EG52706-MS1)**

Source: 5G27002-01

Prepared & Analyzed: 07/27/05

Gasoline Range Organics C6-C12	443	10.0	mg/kg dry	516	ND	85.9	75-125			
Diesel Range Organics >C12-C35	496	10.0	"	516	ND	96.1	75-125			
Total Hydrocarbon C6-C35	940	10.0	"	1030	ND	91.3	75-125			
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.8	70-130			
Surrogate: 1-Chlorooctadecane	56.2		"	50.0		112	70-130			

**Matrix Spike Dup (EG52706-MSD1)**

Source: 5G27002-01

Prepared & Analyzed: 07/27/05

Gasoline Range Organics C6-C12	436	10.0	mg/kg dry	516	ND	84.5	75-125	1.59	20	
Diesel Range Organics >C12-C35	469	10.0	"	516	ND	90.9	75-125	5.60	20	
Total Hydrocarbon C6-C35	905	10.0	"	1030	ND	87.9	75-125	3.79	20	
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.2	70-130			
Surrogate: 1-Chlorooctadecane	56.0		"	50.0		112	70-130			

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EG52707 - EPA 5030C (GC)**

**Blank (EG52707-BLK1)**

Prepared & Analyzed: 07/27/05

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	80.6		ug/kg	100		80.6	80-120			
Surrogate: 4-Bromofluorobenzene	86.1		"	100		86.1	80-120			

**LCS (EG52707-BS1)**

Prepared & Analyzed: 07/27/05

Benzene	95.1		ug/kg	100		95.1	80-120			
Toluene	106		"	100		106	80-120			
Ethylbenzene	119		"	100		119	80-120			
Xylene (p/m)	236		"	200		118	80-120			
Xylene (o)	116		"	100		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	92.2		"	100		92.2	80-120			
Surrogate: 4-Bromofluorobenzene	105		"	100		105	80-120			

**Calibration Check (EG52707-CCV1)**

Prepared: 07/27/05 Analyzed: 07/28/05

Benzene	83.1		ug/kg	100		83.1	80-120			
Toluene	91.7		"	100		91.7	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	207		"	200		104	80-120			
Xylene (o)	105		"	100		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	81.5		"	100		81.5	0-200			
Surrogate: 4-Bromofluorobenzene	90.3		"	100		90.3	0-200			

**Matrix Spike (EG52707-MS1)**

Source: 5G27010-05

Prepared: 07/27/05 Analyzed: 07/28/05

Benzene	84.7		ug/kg	100	ND	84.7	80-120			
Toluene	94.6		"	100	ND	94.6	80-120			
Ethylbenzene	108		"	100	ND	108	80-120			
Xylene (p/m)	206		"	200	ND	103	80-120			
Xylene (o)	101		"	100	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	80.8		"	100		80.8	80-120			
Surrogate: 4-Bromofluorobenzene	83.9		"	100		83.9	80-120			

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

Project: Dynege Midstream/ North 24"  
Project Number: 210004  
Project Manager: Jason Stegemoller

Fax: 505-394-2601

Reported:  
08/01/05 10:37

**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 EG52707 - EPA 5030C (GC)**

**Matrix Spike Dup (EG52707-MSD1)**

Source: 5G27010-05

Prepared: 07/27/05 Analyzed: 07/28/05

Benzene	85.0		ug/kg	100	ND	85.0	80-120	0.354	20	
Toluene	93.9		"	100	ND	93.9	80-120	0.743	20	
Ethylbenzene	107		"	100	ND	107	80-120	0.930	20	
Xylene (p/m)	205		"	200	ND	102	80-120	0.976	20	
Xylene (o)	100		"	100	ND	100	80-120	0.995	20	
Surrogate: a,a,a-Trifluorotoluene	80.1		"	100		80.1	80-120			
Surrogate: 4-Bromofluorobenzene	88.0		"	100		88.0	80-120			

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

Project: Dynege Midstream/ North 24"  
Project Number: 210004  
Project Manager: Jason Stegmoller

Fax: 505-394-2601  
**Reported:**  
08/01/05 10:37

**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 EG52809 - General Preparation (Prep)**

**Blank (EG52809-BLK1)**

Prepared: 07/27/05 Analyzed: 07/28/05

% Moisture	ND	0.1	%							
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**Duplicate (EG52809-DUP1)**

Source: 5G20024-03

Prepared: 07/27/05 Analyzed: 07/28/05

% Moisture	19.1	0.1	%		19.3			1.04	20	
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**Batch EG52911 - Water Extraction**

**Blank (EG52911-BLK1)**

Prepared & Analyzed: 07/28/05

Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	"							

**LCS (EG52911-BS1)**

Prepared & Analyzed: 07/28/05

Sulfate	9.99		mg/L	10.0		99.9	80-120			
Chloride	10.4		"	10.0		104	80-120			

**Calibration Check (EG52911-CCV1)**

Prepared & Analyzed: 07/28/05

Sulfate	9.82		mg/L	10.0		98.2	80-120			
Chloride	10.3		"	10.0		103	80-120			

**Duplicate (EG52911-DUP1)**

Source: 5G18017-04

Prepared & Analyzed: 07/28/05

Chloride	403	5.00	mg/kg		420			4.13	20	
Sulfate	53.4	5.00	"		63.6			17.4	20	

**Batch EG52912 - Water Extraction**

**Blank (EG52912-BLK1)**

Prepared & Analyzed: 07/28/05

Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	"							

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

Project: Dynege Midstream/ North 24"  
Project Number: 210004  
Project Manager: Jason Stegemoller

Fax: 505-394-2601

Reported:  
08/01/05 10:37

**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 EG52912 - Water Extraction**

**LCS (EG52912-BS1)**

Prepared & Analyzed: 07/28/05

Sulfate	9.65		mg/L	10.0		96.5	80-120			
Chloride	10.2		"	10.0		102	80-120			

**Calibration Check (EG52912-CCV1)**

Prepared & Analyzed: 07/28/05

Chloride	10.5		mg/L	10.0		105	80-120			
Sulfate	10.7		"	10.0		107	80-120			

**Duplicate (EG52912-DUP1)**

Source: 5G27008-04

Prepared & Analyzed: 07/28/05

Sulfate	59.2	5.00	mg/kg		59.5			0.505	20	
Chloride	61.2	5.00	"		60.2			1.65	20	

### Notes and Definitions

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

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: Raland K Tuttle Date: 8-01-05

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.

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

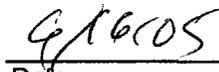
Receiving Date: 09/13/05  
 Reporting Date: 09/16/05  
 Project Owner: DYNEGY MIDSTREAM SERVICES (#210004)  
 Project Name: NORTH 24"  
 Project Location: NOT GIVEN

Sampling Date: 09/13/05  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: NF  
 Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		09/15/05	09/15/05	09/14/05
H10189-1	BH-1 24'	<10.0	18.9	32
H10189-2	BH-1 29'	<10.0	<10.0	16
H10189-3	BH-1 34'	<10.0	<10.0	48
Quality Control		772	758	1000
True Value QC		800	800	1000
% Recovery		96.5	94.8	100
Relative Percent Difference		0.4	3.4	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-C1B  
 \*Analyses performed on 1:4 w:v aqueous extracts.

  
 Chemist

  
 Date

H10189A.XLS

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

Receiving Date: 09/13/05  
 Reporting Date: 09/16/05  
 Project Owner: DYNEGY MIDSTREAM SERVICES (#210004)  
 Project Name: NORTH 24"  
 Project Location: NOT GIVEN

Sampling Date: 09/13/05  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: NF  
 Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		09/14/05	09/14/05	09/14/05	09/14/05
H10189-1	BH-1 24'	<0.005	<0.005	<0.005	0.019
H10189-2	BH-1 29'	<0.005	<0.005	<0.005	<0.015
H10189-3	BH-1 34'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.096	0.093	0.097	0.303
True Value QC		0.100	0.100	0.100	0.300
% Recovery		96.0	92.7	96.8	101.0
Relative Percent Difference		0.7	3.6	5.2	5.4

METHOD: EPA SW-846 8260

*Burgess J. Cooke*  
 Chemist

*9/16/05*  
 Date

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 505-393-2326 Fax 505-393-2476

2111 Beechwood, Abilene, TX 79603  
 915-673-7001 Fax 915-673-7020

Company Name: Environmental Plus, Inc.

EPI Project Manager: Jason Stegemoller

Billing Address: P.O. BOX 1558

City, State, Zip: Eunice New Mexico 88231

EPI Phone#/Fax#: 505-394-3481 / 505-394-2601

Client Company: Dynegy Midstream Services

Facility Name: North 24"

Project Reference: 210004

EPI Sampler Name: George Blackburn

Bill To:

ANALYSIS REQUEST

Dynegy Midstream Services

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	ANALYSIS REQUEST									
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:			ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO <sub>4</sub> <sup>-</sup> )	pH
10189-1	BH-1 24'	X				X				X	12-Sep	10:20A	X	X	X						
2	BH-1 29'	X				X				X	12-Sep	10:50A	X	X	X						
3	BH-1 34'	X				X				X	12-Sep	11:30A	X	X	X						
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: 9/13/05 Received By: (lab staff) \_\_\_\_\_  
 Delivered by: \_\_\_\_\_ Sent Cool & Intact:  Yes  No Checked By: \_\_\_\_\_

REMARKS: Fax Results To Jason Stegemoller ASAP 505-394-2601



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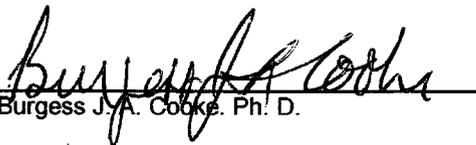
ANALYTICAL RESULTS FOR  
 ENVIRONMENTAL PLUS, INC.  
 ATTN: JASON STEGEMOLLER  
 P.O. BOX 1558  
 EUNICE, NM 88231  
 FAX TO: (505) 394-2601

Receiving Date: 10/26/05  
 Reporting Date: 10/27/05  
 Project Owner: DYNEGY MIDSTREAM SERVICES (210004)  
 Project Name: NORTH 24"  
 Project Location: NOT GIVEN

Sampling Date: 10/25/05  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: HM  
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05
H10341-1	NWSW	<10.0	15.1	<0.005	<0.005	<0.005	<0.015
H10341-2	NESW	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10341-3	ESW	<10.0	486	<0.005	<0.005	<0.005	<0.015
H10341-4	WSW	<10.0	34.0	<0.005	<0.005	<0.005	<0.015
H10341-5	SWSW	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10341-6	SSW	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10341-7	SESW	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10341-8	WEF	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10341-9	CEF	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10341-10	EEF	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		756	744	0.096	0.094	0.097	0.297
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.5	92.9	95.8	93.6	96.6	99.0
Relative Percent Difference		8.8	3.4	2.8	1.9	1.0	2.2

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

  
 Burgess J. A. Cooke, Ph. D.

10/27/05  
 Date

H10341.XLS

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505-393-2326 Fax 505-393-2476

2111 Beechwood, Abilene, TX 79603  
915-673-7001 Fax 915-673-7020

Bill To										ANALYSIS REQUEST											
<b>Company Name</b> Environmental Plus, Inc. <b>EPI Project Manager</b> Jason Stegemoller <b>Billing Address</b> P.O. BOX 1558 <b>City, State, Zip</b> Eunice New Mexico 88231 <b>EPI Phone#/Fax#</b> 505-394-3481 / 505-394-2601 <b>Client Company</b> Dynegy Midstream Services <b>Facility Name</b> North 24" <b>Project Reference</b> 210004 <b>EPI Sampler Name</b> George Blackburn										Dynegy Midstream Services Attn: Roger Holland P.O. Box 1929 Eunice, New Mexico 88231 Phone: (mobile) 505-631-7094											
LAB I.D.	SAMPLE I.D.	# CONTAINERS	MATRIX							PRESERV.			SAMPLING		OTHER >>	TCLP	PH	SULFATES (SO <sub>4</sub> )	CHLORIDES (Cl)	TFH 8015M	BTX 8021B
			GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME								
H10341-1	NWSW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:15					X	
-2	NESW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:23					X	
-3	ESW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	12:05					X	
-4	WSW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:15					X	
-5	SWSW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:35					X	
-6	SSW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:42					X	
-7	SESW	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:50					X	
-8	WEF	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:30					X	
-9	CEF	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:38					X	
-10	EEF	X	X	X	X	X	X	X	X	X	X	X	X	25-Oct	11:45					X	

Fax Results ASAP To Jason Stegemoller 505-394-2601  
REMARKS:

Sampler Relinquished: *Jason Stegemoller* Date: *10/26/2005* Received By: *Jason Stegemoller*

Relinquished by: *Jason Stegemoller* Date: *10-26-05* Time: *7:00 A* Received By: (lab staff) *Jason Stegemoller*

Delivered by: *Jason Stegemoller* Date: *10-26-05* Time: *8:02* Received By: *Jason Stegemoller*

Sample Cool & Intact: Yes  No

Checked By: \_\_\_\_\_



# ARDINAL LABORATORIES

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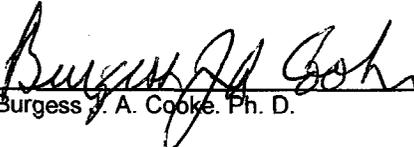
ANALYTICAL RESULTS FOR  
ENVIRONMENTAL PLUS, INC.  
ATTN: JASON STEGMOELLER  
P.O. BOX 1558  
EUNICE, NM 88231  
FAX TO: (505) 394-2601

Receiving Date: 11/02/05  
Reporting Date: 11/03/05  
Project Owner: DYNEGY MIDSTREAM SERVICES LLC (210002 44893)  
Project Name: NORTH 24"  
Project Location: NOT GIVEN

Sampling Date: 11/01/05  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: AH  
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		11/02/05	11/02/05	11/02/05	11/02/05	11/02/05	11/02/05
H10364-1	ESW	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		785	797	0.104	0.090	0.087	0.265
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		98.1	99.6	104.0	89.6	86.7	88.3
Relative Percent Difference		3.1	1.6	3.2	1.8	15.2	11.3

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

  
Burgess J. A. Cooke, Ph. D.

11/3/05  
Date

H10364.XLS

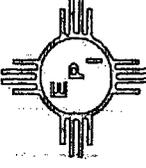
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# Environmental Plus, Inc.

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

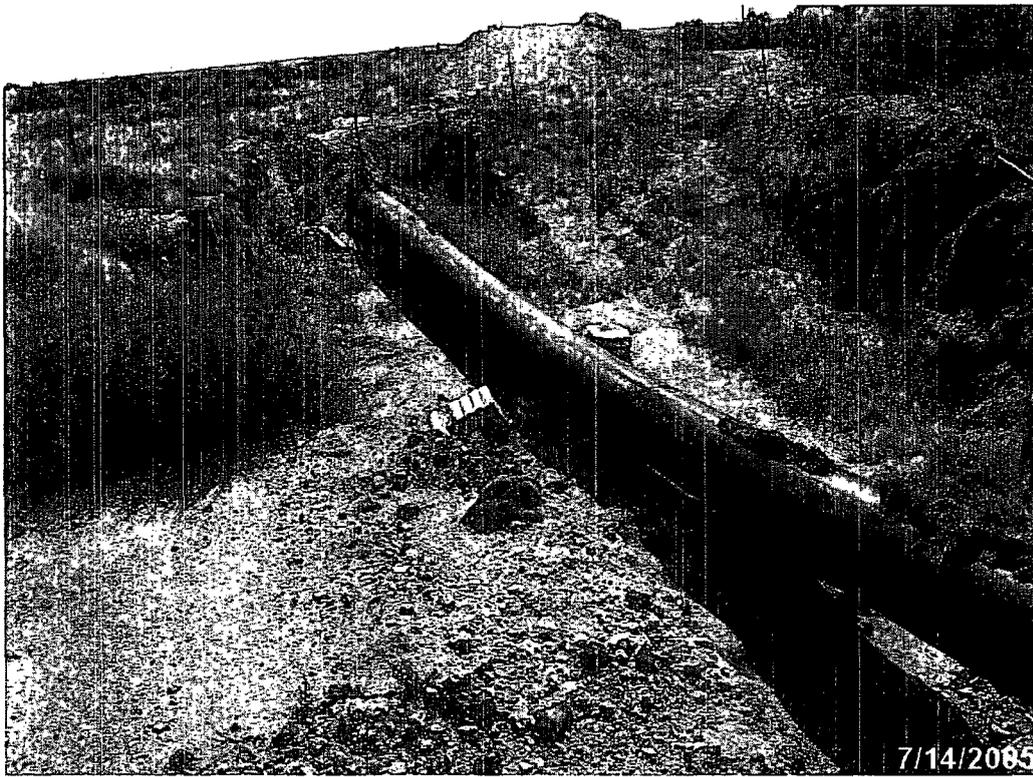
P.O. Box 1558, Eunice, NM 88231

# Chain of Custody Form

<b>Company Name</b> Environmental Plus, Inc. <b>EPI Project Manager</b> Jason Stegmoeller <b>Mailing Address</b> P.O. BOX 1558 <b>City, State, Zip</b> Eunice New Mexico 88231 <b>EPI Phone# / Fax#</b> 505-394-3481 / 505-394-2601 <b>Client Company</b> Dynegy Midstream Services LLC <b>Facility Name</b> North 24" <b>Location</b> <b>Project Reference</b> 210002 44893 <b>EPI Sampler Name</b> John Robinson		<b>Bill To</b>  Attn: Jason Stegmoeller PO Box 1558 Eunice, NM 88231		<b>ANALYSIS REQUEST</b> TPH 8015M <input checked="" type="checkbox"/> X BTEX 8021B <input checked="" type="checkbox"/> X CHLORIDES (Cl) SULFATES (SO <sub>4</sub> ) PH TCLP OTHER >> PAH Texas 1005													
<b>LAB I.D.</b> HD3674-11ESW		<b>SAMPLE I.D.</b>		<b>(G)RAB OR (C)OMP.</b> G 1		<b># CONTAINERS</b> 1		<b>GROUND WATER</b> <input type="checkbox"/>		<b>WASTEWATER</b> <input type="checkbox"/>		<b>MATRIX</b> SOIL <input checked="" type="checkbox"/> X CRUDE OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE ICE/COOL <input checked="" type="checkbox"/> X		<b>SAMPLING</b> DATE 01-Nov-05 TIME 3:10	
Date 11-2 Time 0700 Date 11/2/05 Time 11:55 Received By: <i>Jose C. Miller</i> Received By: (lab staff) <i>Jason Stegmoeller</i> Sample Cool & Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By:																	
Sampler Relinquished: <i>John Robinson</i> Relinquished by: <i>Jose C. Miller</i> Delivered by:																	
REMARKS: E-mail results to: iain.Olness@envplus.net																	

**Attachment IV**

**Site Photographs**



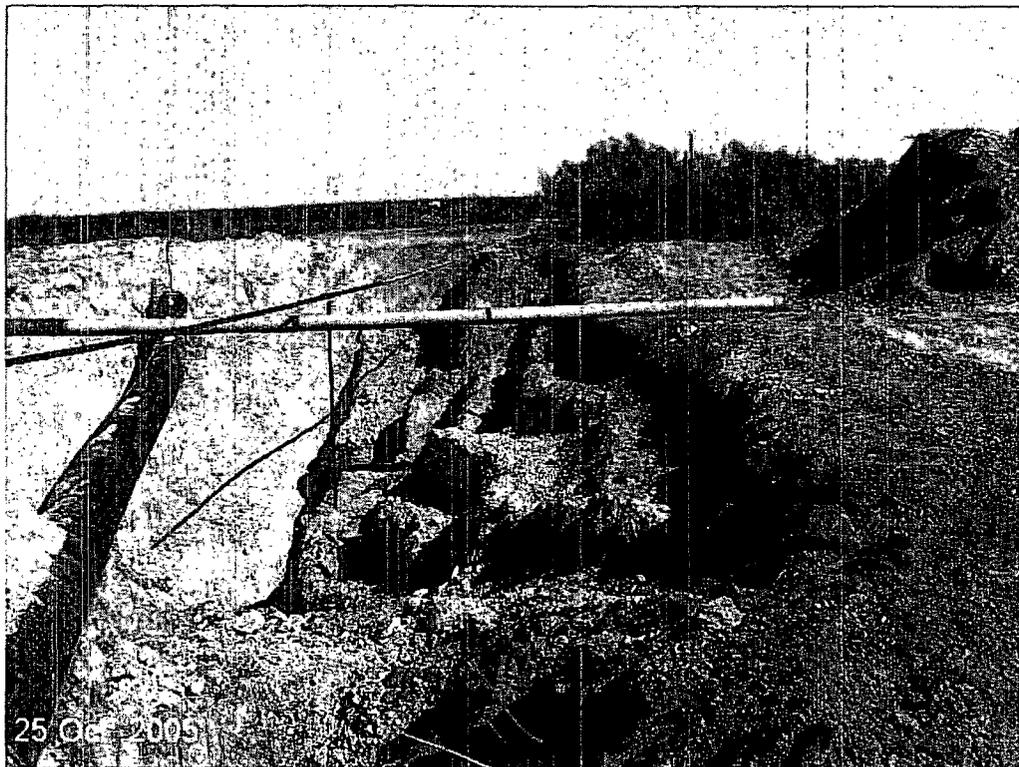
**Photograph #1- Excavation area as of 14 July 2005, looking easterly.**



**Photograph #2- Excavation area as of 14 July 2005, looking westerly.**



**Photograph #3- Excavation area as of 25 October 2005, looking easterly.**



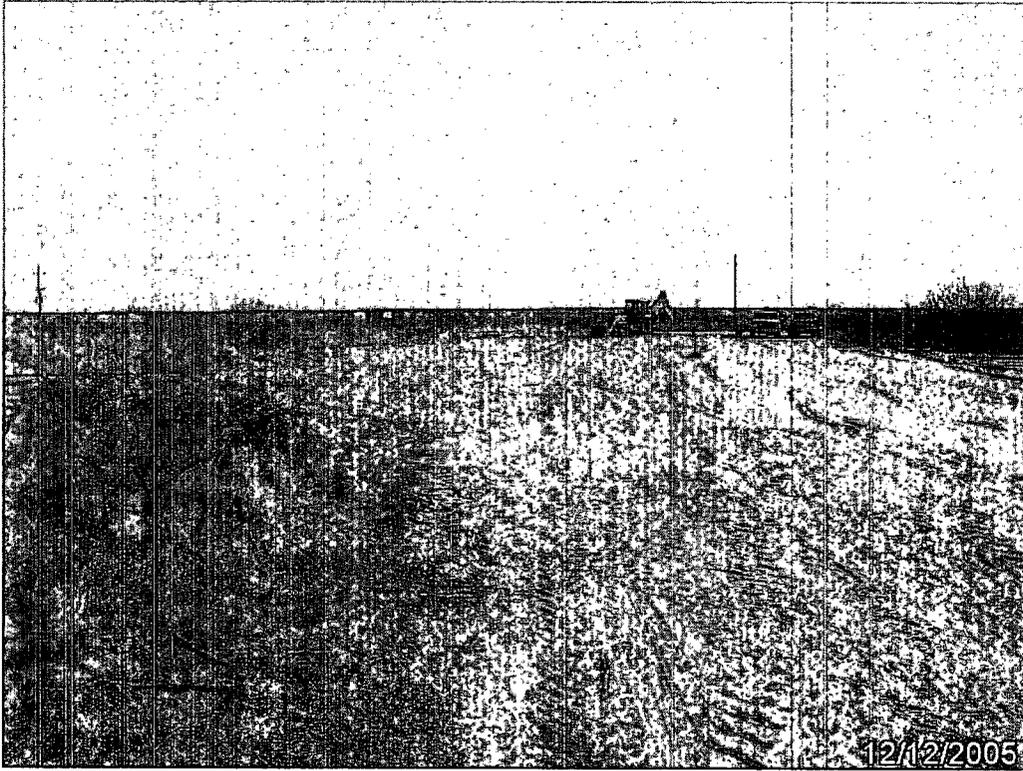
**Photograph #4- Excavation area as of 25 October 2005, looking easterly.**



**Photograph #5- Backfilling excavation, looking westerly.**



**Photograph #6- Backfilling excavation, looking westerly.**



**Photograph #7- Site graded/contoured, looking easterly.**



**Photograph #8- Site graded/contoured, looking easterly.**

# **Attachment V**

## **NMOCD Final C-141**

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised March 17, 1999

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: <b>Dynegy Midstream Services</b>	Contact: <b>Roger Holland</b>
Address <b>P.O. Box 1929, Eunice, New Mexico 88231</b>	Telephone No. <b>505-631-7094</b>
Facility Name <b>North 24" #210004</b>	Facility Type <b>24 inch steel pipeline</b>
Surface Owner: <b>C.A. Bettis</b>	Mineral Owner
	Lease No.

**LOCATION OF RELEASE**

Unit Letter <b>P</b>	Section <b>15</b>	Township <b>T21S</b>	Range <b>R37E</b>	Feet from the	North/South Line	Feet from the	East/West Line	County: <b>Lea</b>
								<b>Lat. 32° 28' 26.54"N</b>
								<b>Lon. 103° 08' 42.02"W</b>

**NATURE OF RELEASE**

IRP-098

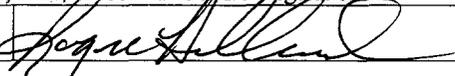
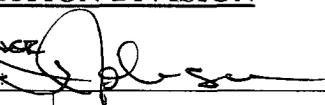
Type of Release <b>Natural Gas Pipeline Fluids</b>	Volume of Release <b>750 mcf</b> <b>&lt;5 barrels</b>	Volume Recovered <b>None</b>
Source of Release <b>24 inch steel pipeline with a normal daily flow rate of 3,000 mcf and normal operating pressure of 12 p.s.i.</b>	Date and Hour of Occurrence <b>June 19, 2004</b>	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?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>NA</b>	

If a Watercourse was Impacted, Describe Fully.\*  
**NA**

Describe Cause of Problem and Remedial Action Taken.\*  
**24 inch steel pipeline. Release was due to corrosion. The pipeline section was replaced.**

Describe Area Affected and Cleanup Action Taken.\*  
**Initial Release Area: ~1,400 square feet. Final excavation was ~5,700 square feet (with benching) to a maximum depth of ~30-feet bgs. Soil contaminated above the NMOCD Remedial Guidelines, ~2,150 cubic yards, was excavated and transported to the Environmental Plus, Inc. Land Farm for treatment. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethylbenzene, Toluene, and Xylenes = 50 mg/Kg.**

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Roger Holland</b>	Approved by District Supervisor: 	
E-mail Address: <b>Roger.Holland@Dynegy.com</b>	Approval Date: <b>5.24.06</b>	Expiration Date:
Title:	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>1-13-06</b>	Phone: <b>505-631-7094</b>	

\* Attach Additional Sheets If Necessary