1R - 451

REPORTS

DATE:

9/9/2004

Larson & Associates, Inc.
Environmental Consultants

September 9, 2004

Mr. Paul Sheeley
New Mexico Oil Conservation Division – District I
1625 North French Drive
Hobbs, New Mexico 88240

Re: Pipeline Spill Investigation Report, Dynegy Midstream Services. L.P., Unit Letter J (NW/4, SE/4) Section 12, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

Dynegy Midstream Services, L. P. (Dynegy) has retained Larson and Associates, Inc. (LA) to investigate potential impacts to soil from a natural gas liquids spill that occurred from a pipeline leak in the northwest quarter (NW/4) of the southeast quarter (SE/4), Section 12, Township 22 South, Range 37 East, Lea County, New Mexico (Site #64). The leak occurred, and was repaired on February 4, 2004, and did not involve a reportable quantity of gas or liquids; therefore, a Release Notification and Corrective Action form (C-141) was not filed. Figure 1 presents a Site location and topographic map.

Current Investigation

On April 27, 2004, Dynegy excavated all impacted soil within the vicinity of the pipeline leak. On April 30, 2004, LA personnel collected soil samples from the north (SS-1), south (SS-2), east (SS-3), and west (SS-4) walls at a depth of nine (9) feet below ground surface (bgs), and from the bottom of the excavation (SS-5) at a depth of eleven (11) feet bgs. The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and hand delivered under chain-of-custody control to Environmental Lab of Texas, Inc. (ELOT), located in Odessa, Texas.

A duplicate of each sample was collected for headspace analysis. The headspace jars were filled approximately ¾ full, and a layer of aluminum foil was placed over the opening of the jars before replacing the cap. The headspace samples were set aside and allowed to warm up to ambient temperature before a RAE Instruments, Model 2000 photoionization detector (PID) was used to measure the concentration of organic vapors in the sample headspace. The PID probe was inserted into the headspace of the sample jars (through the aluminum foil), and the concentration of organic vapors was displayed by the instrument in parts per million (ppm). The PID measurements were recorded in a bound field notebook. The PID was calibrated to 99.8 ppm isobutylene prior to obtaining the headspace readings. Soil samples from the excavated area were analyzed for total petroleum hydrocarbons (TPH) by EPA method SW-846-8015. No analysis was conducted for benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX), as the PID readings were below 100 ppm for all samples. The NMOCD allows a PID of less than 100 ppm to substitute for a BTEX laboratory analysis. Table 1 presents a summary of the laboratory analyses and PID readings of soil from the excavated area. Figure 2 shows the sample locations and TPH concentrations. Appendix A presents laboratory data and chain of custody documentation. Appendix B presents photographs.

Based on published literature (1961) and well records of the New Mexico State Engineer, groundwater occurs at approximately 53 feet below ground surface (bgs). No domestic water wells are located within 1,000 feet of the site. The New Mexico Oil Conservation Division (NMOCD) has established soil remediation action levels

(RRALs) for benzene, total BTEX and TPH resulting from spills of natural gas liquids ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993").

The following RRALs have been assigned, based on NMOCD criteria:

Benzene	**10 mg/kg**
Total BTEX	**50 mg/kg**
TPH	**100 mg/kg**

Referring to Table 1, soil samples collected from the north (SS-1), south (SS-2), and east (SS-3) sides of the excavation reported TPH concentrations below the RRAL. Soil samples collected from the west (SS-4) side and the bottom (SS-5) of the excavation reported TPH concentrations that exceeded the RRAL (4,580 mg/kg and 295 mg/kg, respectively).

Excavation continued along the west wall and bottom of the excavation, until soil samples were collected on June 14, 2004, from the west side (SS-6) at a depth of nine (9) feet bgs, and from the bottom (SS-7) at a depth of 12 feet bgs. The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and hand delivered under chain-of-custody control to ELOT. Duplicate samples were collected for headspace analysis, as described above. Soil samples were analyzed for TPH by EPA method SW-846-8015. No analysis was conducted for BTEX, as the PID readings were below 100 ppm. Table 1 presents a summary of the laboratory analyses and PID readings of soil from the excavated area. Figure 2 shows the sample locations and TPH concentrations. Appendix A presents laboratory data and chain of custody documentation.

Referring to Table 1, soil samples collected from the west side (SS-6) and the bottom of the excavation (SS-7) reported TPH concentrations below the test method detection limit. Soil from the excavation was placed adjacent to the hole, and taken to an NMOCD approved landfarm. As all final samples obtained from Site #64 were below the RRALs, the excavation was filled with clean soil.

Dynegy requests that Site #64 be closed. Please contact Mr. Cal Wrangham with Dynegy at (432) 688-0555 or myself at (432) 687-0901 if you have questions. I may also be reached by e-mail at Cindy@Laenvironmental.com.

Sincerely,
Larson & Associates, Inc.

Cindy K. Crain, CPG, CGWP
Project Manager

cc: Mr. Cal Wrangham - Dynegy
Mr. Dave Harris – Dynegy
Mr. Roger Holland - Dynegy

TABLE

Table 1: Summary of Headspace and Laboratory Analyses of Soil Samples
Dynegy Midstream Services, L.P., Spill Site #64
NW/4, SE/4, Section 12, Township 22 South, Range 37 East
Lea County, New Mexico

Sample Date	Sample Number	Sample Depth (Feet bgs)	Sample Location	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	PID (ppm)
4/30/2004	SS-1	9	North Side	<10	<10	<20	17.2
4/30/2004	SS-2	9	South Side	<10	<10	<20	20.4
4/30/2004	SS-3	9	East Side	10.5	61.4	71.9	26.9
4/30/2004	SS-4	9	West Side	105	4470	4580	46.2
4/30/2004	SS-5	11	Bottom	<10	295	295	15.3
4/30/2004	Spoil	---	---	121	206	327	48.7
6/14/2004	SS-6	9	West Side	<10	<10	<20	0.0
6/14/2004	SS-7	12	Bottom	<10	<10	<20	0.0

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas

1. BGS: Sample depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
3. mg/kg: Milligrams per kilogram
4. <: Below method detection limit
5. PID: Photoionization detector
6. ppm: Parts per million

ok

FIGURES

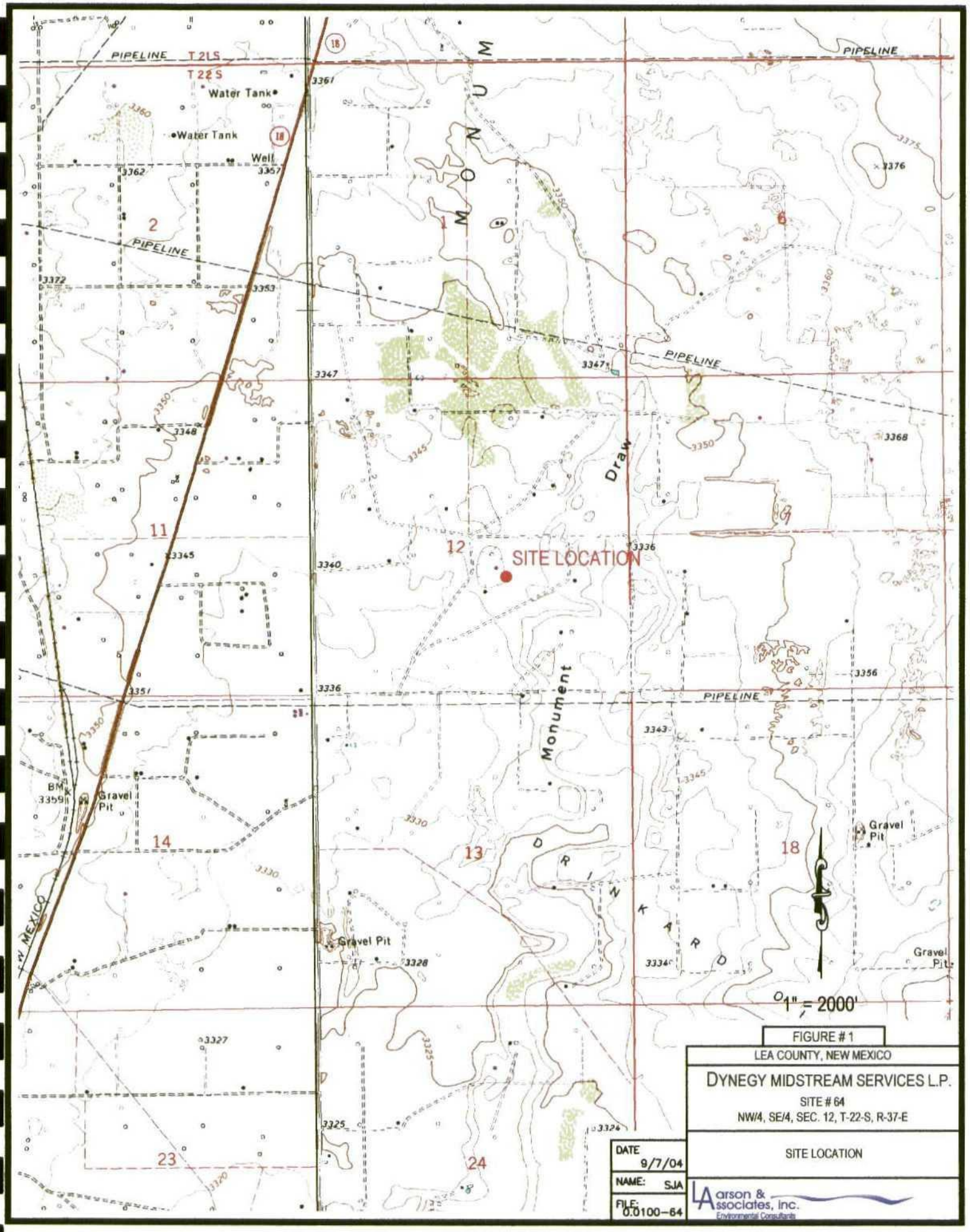


FIGURE # 1

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES L.P.

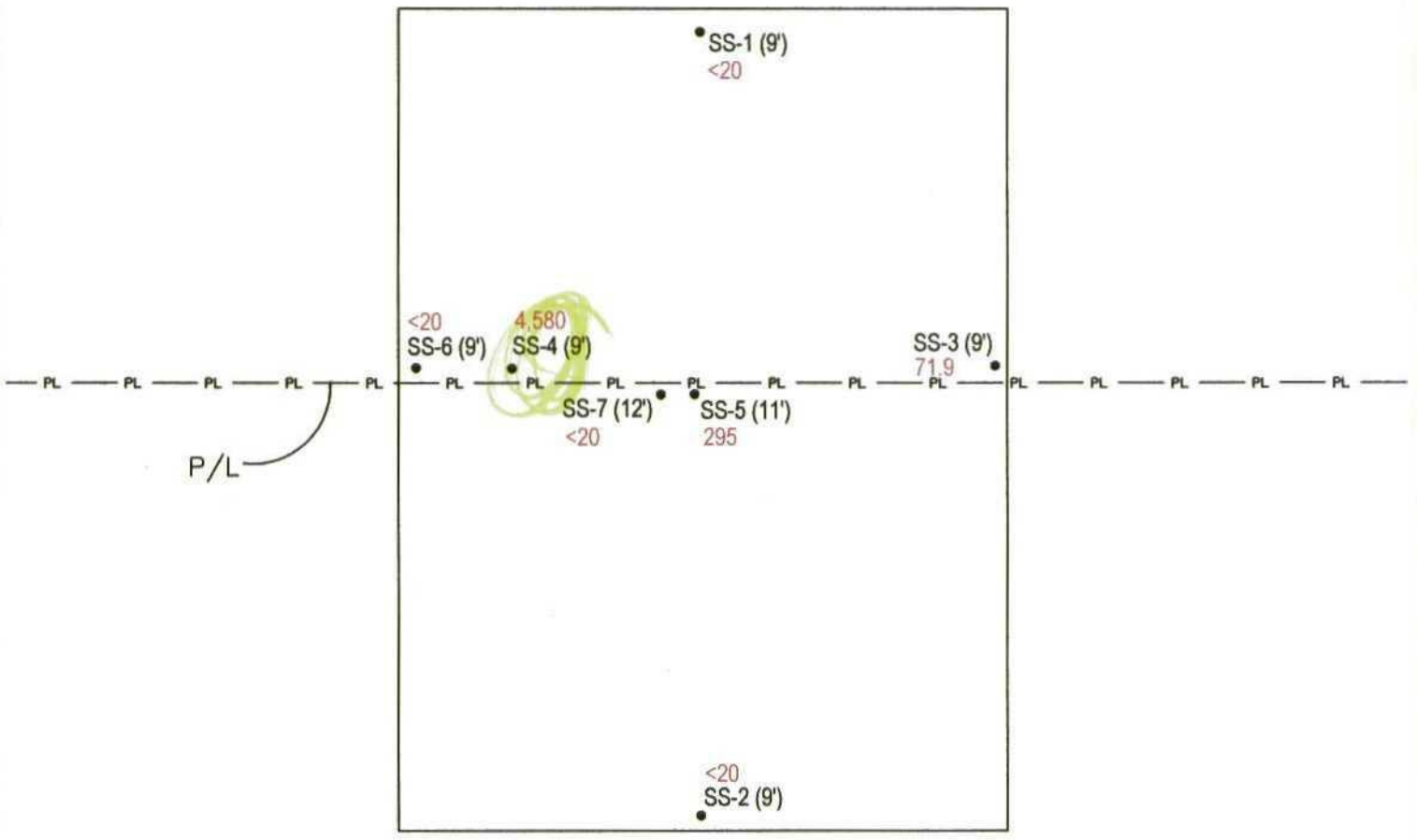
SITE # 64

NW/4, SE/4, SEC. 12, T-22-S, R-37-E

SITE LOCATION

DATE	9/7/04
NAME:	SJA
FILE:	0.0100-64

Larson & Associates, Inc.
Environmental Consultants



0 5'

SCALE: 1" = 5'

LEGEND

—— – PIPELINE LOCATION

SS-1 <20 – SOIL SAMPLE LOCATION WITH DEPTH (FEET BGS) AND TPH CONCENTRATION (MG/KG)

FIGURE # 2

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES L.P.

SITE # 64

NW/4, SE/4, SEC. 12, T-22-S, R-37-E

SITE DETAILS

DATE 9/7/04

NAME: SJA

FILE: 0.0100-64

Larson & Associates, Inc.
Environmental Consultants

APPENDIX A

LABORATORY REPORTS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #64

Project Number: 0-0100-64

Location: None Given

Lab Order Number: 4D30019

Report Date: 05/05/04

Larson & Associates, Inc.	Project: Dynegy Site #64	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-64	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/05/04 09:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	4D30019-01	Soil	04/30/04 12:50	04/30/04 16:48
SS-2	4D30019-02	Soil	04/30/04 12:52	04/30/04 16:48
SS-3	4D30019-03	Soil	04/30/04 12:54	04/30/04 16:48
SS-4	4D30019-04	Soil	04/30/04 12:56	04/30/04 16:48
SS-5	4D30019-05	Soil	04/30/04 12:58	04/30/04 16:48
Spoil	4D30019-06	Soil	04/30/04 13:00	04/30/04 16:48

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (4D30019-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.6 %*	*70-130*		"	"	"	"	
SS-2 (4D30019-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
SS-3 (4D30019-03) Soil									
Gasoline Range Organics C6-C12	**10.5**	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**61.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**71.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
SS-4 (4D30019-04) Soil									
Gasoline Range Organics C6-C12	**105**	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**4470**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4580**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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

Quality Assurance Review

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

Larson & Associates, Inc.	Project: Dynegy Site #64	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-64	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/05/04 09:39

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-5 (4D30019-05) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**295**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**295**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*111 %*	*70-130*		"	"	"	"	
Spoil (4D30019-06) Soil									
Gasoline Range Organics C6-C12	**121**	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**206**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**327**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.8 %*	*70-130*		"	"	"	"	

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Roland K Tuttle
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Larson & Associates, Inc.	Project: Dynegy Site #64	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-64	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/05/04 15:52

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (4D30019-01) Soil									
% Solids	**99.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-2 (4D30019-02) Soil									
% Solids	**96.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-3 (4D30019-03) Soil									
% Solids	**97.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-4 (4D30019-04) Soil									
% Solids	**98.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-5 (4D30019-05) Soil									
% Solids	**99.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
Spoil (4D30019-06) Soil									
% Solids	**98.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	

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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 EE40307 - Solvent Extraction (GC)										
Blank (EE40307-BLK1)				Prepared & Analyzed: 05/03/04						
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	*36.0*		*mg/kg*	*50.0*		*72.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.7*		*"*	*50.0*		*77.4*	*70-130*			
Blank (EE40307-BLK2)				Prepared: 05/03/04 Analyzed: 05/04/04						
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	*38.7*		*mg/kg*	*50.0*		*77.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.2*		*"*	*50.0*		*78.4*	*70-130*			
LCS (EE40307-BS1)				Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	417	10.0	mg/kg wet	500		83.4	75-125			
Diesel Range Organics >C12-C35	448	10.0	"	500		89.6	75-125			
Total Hydrocarbon C6-C35	865	10.0	"	1000		86.5	75-125			
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.6*		*"*	*50.0*		*85.2*	*70-130*			
LCS (EE40307-BS2)				Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	421	10.0	mg/kg wet	500		84.2	75-125			
Diesel Range Organics >C12-C35	531	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	952	10.0	"	1000		95.2	75-125			
Surrogate: 1-Chlorooctane	*47.2*		*mg/kg*	*50.0*		*94.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.8*		*"*	*50.0*		*89.6*	*70-130*			
Calibration Check (EE40307-CCV1)				Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	453		mg/kg	500		90.6	80-120			
Diesel Range Organics >C12-C35	522		"	500		104	80-120			
Total Hydrocarbon C6-C35	975		"	1000		97.5	80-120			
Surrogate: 1-Chlorooctane	*61.0*		*"*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.0*		*"*	*50.0*		*120*	*70-130*			

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Quality Assurance Review

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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 EE40307 - Solvent Extraction (GC)										
Calibration Check (EE40307-CCV2)				Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	450		mg/kg	500		90.0	80-120			
Diesel Range Organics >C12-C35	533		"	500		107	80-120			
Total Hydrocarbon C6-C35	983		"	1000		98.3	80-120			
Surrogate: 1-Chlorooctane	*53.1*		*"*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.0*		*"*	*50.0*		*114*	*70-130*			
Matrix Spike (EE40307-MS1)		**Source: 4D30019-01**		Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	431	10.0	mg/kg dry	505	ND	85.3	75-125			
Diesel Range Organics >C12-C35	528	10.0	"	505	ND	105	75-125			
Total Hydrocarbon C6-C35	959	10.0	"	1010	ND	95.0	75-125			
Surrogate: 1-Chlorooctane	*55.4*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.3*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike (EE40307-MS2)		**Source: 4E03002-01**		Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	535	10.0	mg/kg dry	581	ND	92.1	75-125			
Diesel Range Organics >C12-C35	627	10.0	"	581	ND	108	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1160	ND	100	75-125			
Surrogate: 1-Chlorooctane	*56.2*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.3*		*"*	*50.0*		*123*	*70-130*			
Matrix Spike Dup (EE40307-MSD1)		**Source: 4D30019-01**		Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	440	10.0	mg/kg dry	505	ND	87.1	75-125	2.07	20	
Diesel Range Organics >C12-C35	543	10.0	"	505	ND	108	75-125	2.80	20	
Total Hydrocarbon C6-C35	983	10.0	"	1010	ND	97.3	75-125	2.47	20	
Surrogate: 1-Chlorooctane	*55.6*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.2*		*"*	*50.0*		*102*	*70-130*			
Matrix Spike Dup (EE40307-MSD2)		**Source: 4E03002-01**		Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	495	10.0	mg/kg dry	581	ND	85.2	75-125	7.77	20	
Diesel Range Organics >C12-C35	609	10.0	"	581	ND	105	75-125	2.91	20	
Total Hydrocarbon C6-C35	1100	10.0	"	1160	ND	94.8	75-125	5.31	20	
Surrogate: 1-Chlorooctane	*58.9*		*mg/kg*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.1*		*"*	*50.0*		*128*	*70-130*			

Environmental Lab of Texas

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Quality Assurance Review

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

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 EE40402 - % Solids										
Blank (EE40402-BLK1)				Prepared & Analyzed: 05/04/04						
% Solids	100		%							
Duplicate (EE40402-DUP1)		**Source: 4D30018-01**		Prepared & Analyzed: 05/04/04						
% Solids	98.0		%		97.0			1.03	20	

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Raland K Tuttle

Quality Assurance Review

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Quality Assurance Review

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CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-64

PROJECT NAME: Site #64

PAGE 1 OF 1

LAB. PO #

PARAMETERS/METHOD NUMBER: TPH 8015M

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH 8015M	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
4/30/04	1250		✓		SS-1	1	✓	4D30019-01	
"	1252		✓		SS-2	1	✓	-02	
"	1254		✓		SS-3	1	✓	-03	
"	1256		✓		SS-4	1	✓	-04	
"	1258		✓		SS-5	1	✓	-05	
"	1300		✓		Spoil	1	✓	-06	

SAMPLED BY: (Signature) Cindy Crain
DATE: 4/30/04
TIME: 1330

RELINQUISHED BY: (Signature)
DATE:
TIME:

RECEIVED BY: (Signature)
DATE:
TIME:

RELINQUISHED BY: (Signature) Cindy Crain
DATE: 4/30/04
TIME: 1648

RECEIVED BY: (Signature)
DATE:
TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Env. Lab of Tx
ADDRESS: 12600 W I-20E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature) Joanne McMurry
DATE: 04-30-04 TIME: 1648

SAMPLE CONDITION WHEN RECEIVED: 2.5°C 4oz glass

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

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

Client: Larson + Associates

Date/Time: 04-30-04 @ 1700

Order #: 4D30019

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #64

Project Number: 0-0100-64

Location: None Given

Lab Order Number: 4F15001

Report Date: 06/16/04

Larson & Associates, Inc.	Project: Dynegy Site #64	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-64	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	06/16/04 10:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6	4F15001-01	Soil	06/14/04 10:05	06/15/04 08:15
SS-7	4F15001-02	Soil	06/14/04 10:07	06/15/04 08:15

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

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4F15001-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41603	06/15/04	06/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.4 %*	*70-130*		"	"	"	"	
SS-7 (4F15001-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41603	06/15/04	06/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.2 %*	*70-130*		"	"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4F15001-01) Soil									
% Solids	**75.0**		%	1	EF41505	06/15/04	06/15/04	% calculation	
SS-7 (4F15001-02) Soil									
% Solids	**71.0**		%	1	EF41505	06/15/04	06/15/04	% calculation	

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

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 EF41603 - Solvent Extraction (GC)										
Blank (EF41603-BLK1)				Prepared & Analyzed: 06/15/04						
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	*38.3*		*mg/kg*	*50.0*		*76.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			
LCS (EF41603-BS1)				Prepared & Analyzed: 06/15/04						
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125			
Diesel Range Organics >C12-C35	524	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	938	10.0	"	1000		93.8	75-125			
Surrogate: 1-Chlorooctane	*54.9*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.5*		*"*	*50.0*		*81.0*	*70-130*			
Calibration Check (EF41603-CCV1)				Prepared: 06/15/04 Analyzed: 06/16/04						
Gasoline Range Organics C6-C12	446		mg/kg	500		89.2	80-120			
Diesel Range Organics >C12-C35	539		"	500		108	80-120			
Total Hydrocarbon C6-C35	985		"	1000		98.5	80-120			
Surrogate: 1-Chlorooctane	*62.0*		*"*	*50.0*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			
Matrix Spike (EF41603-MS1)	**Source: 4F15001-01**			Prepared & Analyzed: 06/15/04						
Gasoline Range Organics C6-C12	624	10.0	mg/kg dry	667	ND	93.6	75-125			
Diesel Range Organics >C12-C35	761	10.0	"	667	ND	114	75-125			
Total Hydrocarbon C6-C35	1380	10.0	"	1330	ND	104	75-125			
Surrogate: 1-Chlorooctane	*60.0*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.1*		*"*	*50.0*		*70.2*	*70-130*			
Matrix Spike Dup (EF41603-MSD1)	**Source: 4F15001-01**			Prepared & Analyzed: 06/15/04						
Gasoline Range Organics C6-C12	624	10.0	mg/kg dry	667	ND	93.6	75-125	0.00	20	
Diesel Range Organics >C12-C35	772	10.0	"	667	ND	116	75-125	1.44	20	
Total Hydrocarbon C6-C35	1400	10.0	"	1330	ND	105	75-125	1.44	20	
Surrogate: 1-Chlorooctane	*60.1*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.5*		*"*	*50.0*		*71.0*	*70-130*			

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

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 EF41505 - General Preparation (Prep)										
Blank (EF41505-BLK1)				Prepared & Analyzed: 06/15/04						
% Solids	100		%							
Duplicate (EF41505-DUP1)		**Source: 4F15001-01**		Prepared & Analyzed: 06/15/04						
% Solids	75.0		%		75.0			0.00	20	

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

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 6-16-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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

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

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

Client: Larson + Associates

Date/Time: 06-15-04 @ 0830

Order #: 4F 15001

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	11.0 C
Shipping container/cooler in good condition?	Yes	No	N/A
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	NO LABELS
Container labels legible and intact?	Yes	No	NO LABELS
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved? cool	(Yes)	No	Should be 4°C
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

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Corrective Action Taken:

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CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 432-687-0456
432-687-0901

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-64

PROJECT NAME: Site # 64

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/14/04	1005		✓		SS-6	1	✓	4F15001-01	
	1007		✓		SS-7	1	✓	↓ -02	

SAMPLED BY: (Signature) Cindy Crain DATE: 6/14/04 TIME: 1007

RELINQUISHED BY: (Signature) Cindy Crain DATE: 6/15/04 TIME: 0815

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Env. Lab of Tx
ADDRESS: 12600 W I-20E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature) Jane McMurry
DATE: 6-15-04 TIME: 0815

SAMPLE CONDITION WHEN RECEIVED: 11.0 °C 4oz glass cool

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

APPENDIX B

PHOTOGRAPHS

DYNEGY MIDSTREAM SERVICES, L.P.
SITE #64, NW/4, SE/4, SEC. 12, T22S, R37E, LEA CO., NM
PHOTOGRAPHS

1. View to south. (4/30/04)

2. View to east. (4/30/04)

DYNEGY MIDSTREAM SERVICES, L.P.
SITE #64, NW/4, SE/4, SEC. 12, T22S, R37E, LEA CO., NM
PHOTOGRAPHS

3. View to southeast. (4/30/04)