1R - 446

REPORTS

DATE:

8/18/2004

Larson & Associates, Inc.
Environmental Consultants

Site No. 7

August 18, 2004

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

Re: Addendum Pipeline Spill Remediation and Investigation Report, Dynegy Midstream Services, L.P., Unit Letter N, Section 29, Township 21 South, Range 37 East, Lea County, New Mexico

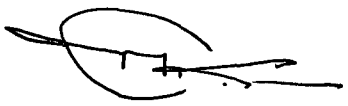
Dear Mr. Johnson:

This report presents the results of remedial actions and additional investigation of a release of natural gas liquids (NGL) from a pipeline drip owned by Dynegy Midstream Services, L.P. (Dynegy), and located in the SE/4, SW/4 (Unit Letter N), Section 29, Township 21 South, Range 37 East, Lea County, New Mexico. In a letter dated February 19, 2001, Larson and Associates, Inc. (LA) summarized the results of field and laboratory analysis of soil samples collected from the Site, and proposed remedial actions to reduce the remaining total petroleum hydrocarbons (TPH) below the New Mexico Oil Conservation Division (NMOCD), Recommended Remediation Action Level (RRAL) of 1,000 milligrams per kilogram (mg/Kg). No samples exceeded the NMOCD RRAL for benzene (10 mg/Kg) and total BTEX (50 mg/Kg). The remedial action was approved by the NMOCD, and included removal of additional soil from the bottom and south side of the excavation, and scraping a section of the lease road where TPH in a previous sample (Comp. #1) exceeded the RRAL. Figure 1 presents a location map. Figure 2 presents a Site drawing.

On March 21, 2002, LA supervised removal of additional soil from the bottom and south side of the excavation, and scraped additional soil from a section of lease road located south of the Site. The excavation was deepened to about 8 feet BGS, and extended to the south between 5 and 10 feet. Soil removed from the excavation, scraped from the roadway, and soil previously excavated from the Site was disposed at an NMOCD approved facility. LA collected samples from the bottom and south side of the excavation following removal of the soil, and a composite sample from the roadway. The samples were collected in clean glass sample jars, secured with ®Teflon lined lids, labeled, chilled in an ice chest, delivered under chain-of-custody control to Environmental Lab of Texas, Ltd., located in Odessa, Texas, and were analyzed for TPH using method SW-846-8015 for gasoline range organics (GRO) and diesel range organics (DRO). Table 1 presents a summary of the laboratory analysis. Appendix A presents the laboratory report. No TPH was reported above method detection limits in samples from the bottom and south side of the excavation. The TPH concentration reported in the composite sample from the roadway was 83.5 mg/Kg. These results are well below the RRAL of 1,000 mg/Kg, and the excavation was filled with clean soil obtained from the landowner.

On June 24, 2004, LA supervised collection of soil samples from a boring (BH-1) installed in the excavated area adjacent to the pipeline near the release. Scarborough Drilling, Inc., located in Lamesa, Texas, advanced the boring to about 31 feet below ground surface (BGS) using an air-rotary drilling rig. Soil samples were collected every two (2) feet (i.e., 0' to 2', 2' to 4' and 4' to 6', etc.) to approximately 8 feet BGS, and every five (5) feet beginning at about 10 feet BGS using 1-foot long core sampler. The drill rig, rods and bit were thoroughly cleaned before drilling using a high-pressure hot water washer. The split-spoon and core samplers and hand tools were thoroughly cleaned between samples using a solution of potable water and laboratory-grade detergent, and rinsed with distilled water. The soil samples were placed in clean glass sample jars, secured with ®Teflon-lined lids, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas, Ltd. (ELTI), located in Odessa, Texas. Duplicate samples were collected for headspace analysis in accordance with NMOCD procedures, and no headspace readings exceeded 100 parts per million (ppm). Therefore, the laboratory analyzed select samples for TPH and chloride. Table 2 presents a summary of field and laboratory analysis of the soil samples. Appendix A presents the laboratory analysis.

Referring to Table 2, TPH was below the RRAL (1,000 mg/Kg) in all soil samples. Chloride was less than 100 mg/Kg in all samples, except BH-1, 8 to 8.2 feet (106 mg/Kg) and BH-1, 10 to 11 feet (1,170 mg/Kg). The sample from BH-1, 10 to 11 feet BGS was analyzed for chloride using the synthetic precipitation leaching procedure (SPLP), and the result was 62 milligrams per liter (mg/L). The boring was plugged in accordance with New Mexico State Engineer requirements. Dynegy requests the NMOCD consider no further action and closure for the Site. Please call Mr. Cal Wrangham with Dynegy at (432) 688-0555 or myself at (432) 687-0901 if you have questions. We may also be contacted by email at cal.wrangham@dynegy.com or mark@Laenvironmental.com.
Respectfully yours,
Larson and Associates, Inc.



Mark J. Larson, CPG, CGWP
President

Encl.

cc: Mr. Cal Wrangham - Dynegy
Mr. Dave Harris – Dynegy
Mr. Bill Olson – NMOCD – Santa Fe

TABLES

Table 1: Summary of Headspace and Laboratory Analyses of Soil Samples From Excavation, Spill Area and Soil Pile
Dynegy Midstream Services, L.P.
SE/4, SW/4 Section 29, Township 21 South, Range 37 East
Lea County, New Mexico

Site Number	Sample Area	Sample Number	Sample Date	PID (ppm)	GRO (mg/kg)	DRO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)	Chloride (mg/kg)
7	Excavation	North	06-Dec-00	173.3	<5	149	149	<0.05	<0.05	<0.05	<0.05	<0.20	16
		South	06-Dec-00	501.2	113	884	997	0.055	1.76	0.477	7.89	10.182	28
		East	06-Dec-00	14.2	<5	<50	<55	--	--	--	--	--	22
		West	06-Dec-00	137.5	<5	211	211	<0.05	<0.05	<0.05	0.61	0.61	17
		Bottom	06-Dec-00	187.4	293	1,620	1,913	0.46	10.6	1.33	30.2	42.59	430
		Bottom	21-Mar-02	--	<10	<10	<20	--	--	--	--	--	--
		South	21-Mar-02	--	<10	<10	<20	--	--	--	--	--	--
	Lease Road	Comp. #1	06-Dec-00	38.6	73.3	4050	4,123.3	--	--	--	--	--	110
		Comp. #2	06-Dec-00	43.3	20.2	424	444.2	--	--	--	--	--	80
		Composite	21-Mar-02	--	<10	83.5	83.5	--	--	--	--	--	--
	Pile	Pile	06-Dec-00	470.3	353	6,990	7,343	0.137	7.42	2.22	32.7	42.477	83

Notes: Analysis of samples collected on Decemmber 6, 2000, performed by Trace Analysis, Inc., Lubbock, Texas. All others performed by Environmental Lab of Texas , Ltd., Odessa, Texas.

1. PID: Measurement by photoionization detector
2. ppm: Parts per million
3. DRO: Diesel-range petroleum hydrocarbons
4. GRO: Gasoline-range petroleum hydrocarbons
5. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
6. mg/kg: Milligrams per kilogram
7. --: No data available
8. <: Below method detection limit

Table 2: Summary of Headspace and Laboratory Analysis of Soil Samples from Boring
Dynegy Midstream Services, L. P., Site No. 7
SE/4, SW/4, Section 29, Township 21 South, Range 37 East
Lea County, New Mexico

Soil Boring Number	Sample Depth (feet bgs)	Sample Date	PID (ppm)	GRO (C6-C12) mg/kg	DRO (>C12-C35) mg/kg	TPH (C6-C35) mg/kg	Chloride mg/kg
RRAL:						**1,000**	
BH-1	0 - 2	24-Jun-04	0.9	---	---	---	<20
	2 - 4	24-Jun-04	2.5	<10	<10	<20	<20
	4 - 6	24-Jun-04	0.7	---	---	---	<20
	6 - 8	24-Jun-04	73.3	307	650	957	<20
	8 - 8.2	24-Jun-04	---	---	---	---	106
	10 - 11	24-Jun-04	19.1	<10	8.01	8.01	1170
	15 - 16	24-Jun-04	9.8	<10	<10	<20	42.5
	20 - 21	24-Jun-04	2.2	---	---	---	56.7
	25 - 26	24-Jun-04	10.0	---	---	---	88.6
	30 - 31	24-Jun-04	2.2	---	---	---	56.7
SPLP (mg/L)							
BH-1	10 - 11	24-Jun-04	---	---	---	---	62.0

Notes: Analyses performed by Environmental Lab of Texas I, Ltd., Odessa, Texas

1. BGS: Depth in feet below ground surface
2. PID: Photoionization detector
3. ppm: Parts per million
4. GRO: Gasoline-range organics
5. DRO: Diesel-range organics
6. TPH: Total petroleum hydrocarbons (Sum of GRO + DRO)
7. mg/Kg: Milligrams per kilogram
8. ---: No data available
9. <: Below method detection limit
10. RRAL NMOCD Recommended Remediation Action Level
11. SPLP: Synthetic Precipitation Leaching Procedure
12. mg/L: Milligrams per liter

FIGURES

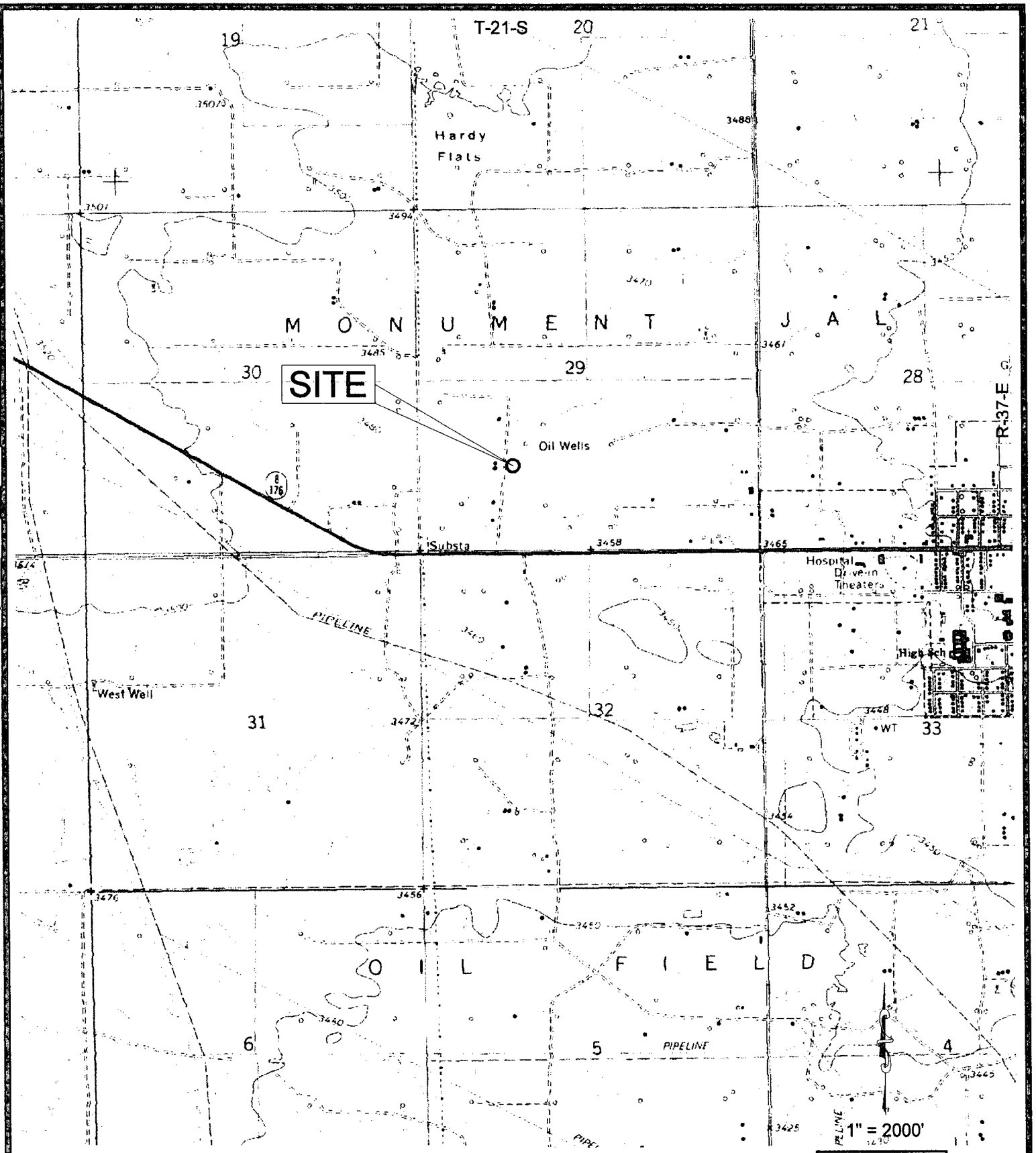


FIGURE # 1

LEA COUNTY, NEWMEXICO

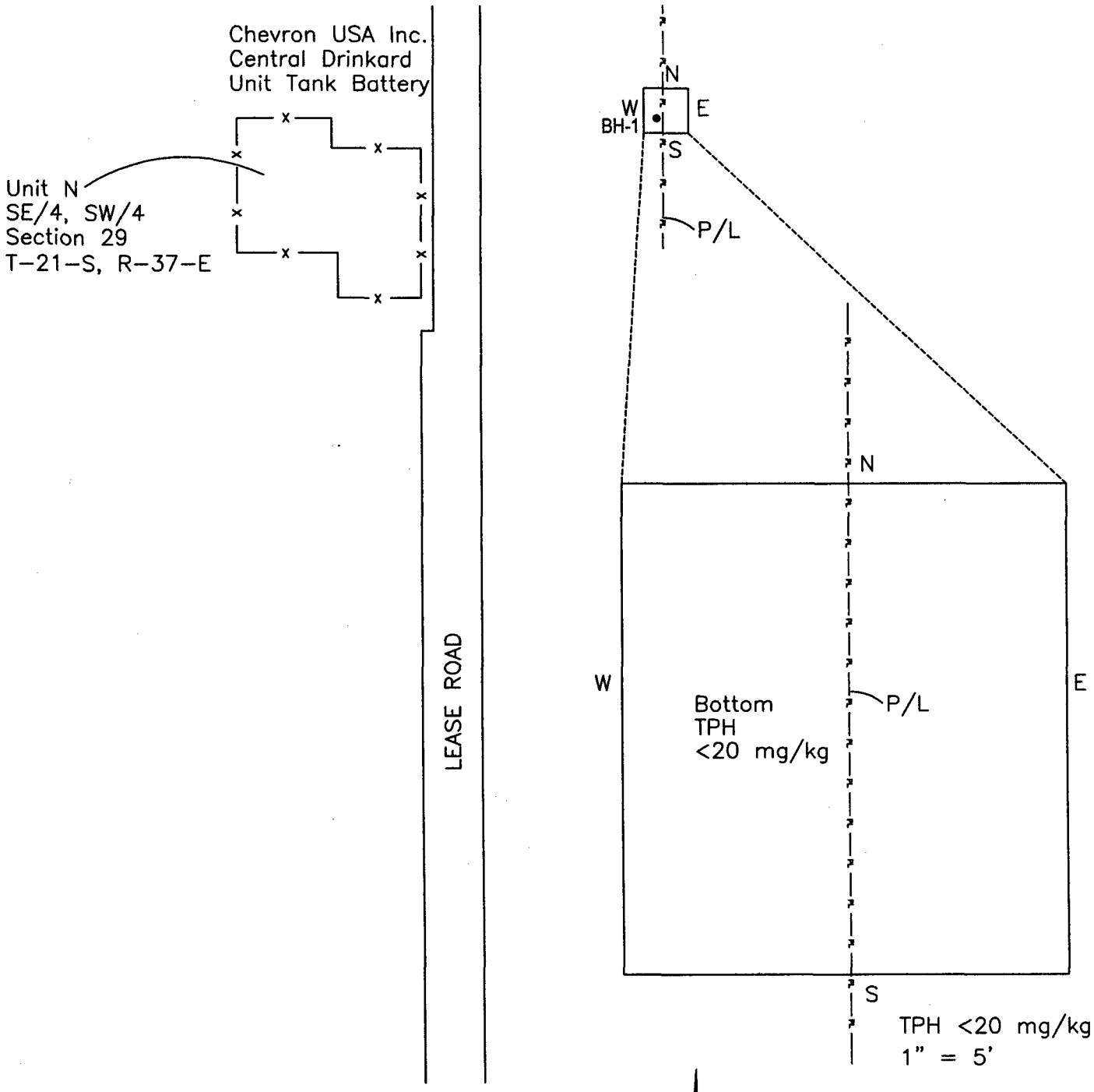
DYNEGY MIDSTREAM SERVICES L.P.

SECTION 29, T-21-S, R-38-E

LOCATION MAP

DATE	8/11/04
NAME:	SJA
FILE:	0-0100-42

Larson & Associates, inc.
Environmental Consultants



LEGEND

BH-1 • – SOIL BORING SAMPLE

TPH – TOTAL PETROLIUM HYDROCARBONS

mg/kg – MILLIGRAMS PER KILOGRAMS

0 50'

SCALE: 1" = 50'

FIGURE #2

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES L.P.

SE/4, SW/4, SEC. 29, T-21-S, R-37-E

SITE DRAWING

DATE 7/28/04

NAME: SJA

FILE: 0-0100-

Larson & Associates, Inc.
Environmental Consultants

APPENDIX A

Laboratory Reports

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Dynegy-Site #7

Order#: G0202900

Report Date: 03/26/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202900
Project: 0-0100-07
Project Name: Dynegy-Site #7
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0202900-01	Bottom	SOIL	3/21/02 15:55	3/22/02 16:55	8 oz glass	Ice
	Lab Testing: 8015M	Rejected: No		Temp: 4.0 C		
0202900-02	South	SOIL	3/21/02 16:00	3/22/02 16:55	8 oz glass	Ice
	Lab Testing: 8015M	Rejected: No		Temp: 4.0 C		
0202900-03	Composite	SOIL	3/21/02 16:15	3/22/02 16:55	8 oz glass	Ice
	Lab Testing: 8015M	Rejected: No		Temp: 4.0 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202900
Project: 0-0100-07
Project Name: Dynegy-Site #7
Location: Lea County, NM

Lab ID: 0202900-01
Sample ID: Bottom

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		3/25/02 21:52	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C35	<10	10.0
TOTAL, C6-C35	<10	10.0

Lab ID: 0202900-02
Sample ID: South

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		3/25/02 22:05	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C35	<10	10.0
TOTAL, C6-C35	<10	10.0

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202900
Project: 0-0100-07
Project Name: Dynegy-Site #7
Location: Lea County, NM

Lab ID: 0202900-03
Sample ID: Composite

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		3/25/02 22:17	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C35	83.5	10.0
TOTAL, C6-C35	83.5	10.0

Approval: Celey D. Keene 3/28/02
Date

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0202900

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0000970-02			<10		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0000970-03		952	813	85.4%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0000970-04		952	880	92.4%	7.9%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0000970-05		1000	1053	105.3%	

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Mark Larson
Company Name: Larson and Associates, Inc
Company Address: 507 N. Marienfield St., Ste 202
City/State/Zip: Midland, TX 79701
Telephone No: (915) 687-0901
Fax No: (915) 687-0456
Sampler Signature:

Project Name: Dynegy - Site #7
Project #: 0-0100-07
Project Loc: Lea County, NM
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP / TOTAL: TDS / Cl / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
020290-01	Bottom	3/21/02	1525	1	X									X				X	X						
02	South	"	1600	1	X									X				X	X						
03	Composite	"	1615	1	X									X				X							

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 4.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
	3/22/02	1655			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jane McMurray	3-22-2	1655

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy

Project Number: 0-0100-07

Location: Site #7

Lab Order Number: 4F25003

Report Date: 06/29/04

Larson & Associates, Inc.	Project: Dynegy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-07	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	06/29/04 12:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 0-2'	4F25003-01	Soil	06/24/04 08:30	06/25/04 09:45
BH-1 2-4'	4F25003-02	Soil	06/24/04 08:40	06/25/04 09:45
BH-1 4-6'	4F25003-03	Soil	06/24/04 08:45	06/25/04 09:45
BH-1 6-8'	4F25003-04	Soil	06/24/04 08:48	06/25/04 09:45
BH-1 10-11'	4F25003-05	Soil	06/24/04 09:00	06/25/04 09:45
BH-1 15-16'	4F25003-06	Soil	06/24/04 09:10	06/25/04 09:45
BH-1 20-21'	4F25003-07	Soil	06/24/04 09:15	06/25/04 09:45
BH-1 25-26'	4F25003-08	Soil	06/24/04 09:23	06/25/04 09:45
BH-1 30-31'	4F25003-09	Soil	06/24/04 09:30	06/25/04 09:45
BH-1 8-8.2	4F25003-10	Soil	06/24/04 08:50	06/25/04 09:45

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
BH-1 2-4' (4F25003-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF42801	06/25/04	06/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.6 %*	*70-130*		"	"	"	"	
BH-1 6-8' (4F25003-04) Soil									
Gasoline Range Organics C6-C12	**307**	10.0	mg/kg dry	1	EF42801	06/25/04	06/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	**650**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**957**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.8 %*	*70-130*		"	"	"	"	
BH-1 10-11' (4F25003-05) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF42801	06/25/04	06/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	**J [8.01]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.6 %*	*70-130*		"	"	"	"	
BH-1 15-16' (4F25003-06) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF42803	06/28/04	06/28/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.0 %*	*70-130*		"	"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 0-2' (4F25003-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
BH-1 2-4' (4F25003-02) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	**98.0**		%	1	EF42601	06/25/04	06/26/04	% calculation	
BH-1 4-6' (4F25003-03) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
BH-1 6-8' (4F25003-04) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	**87.0**		%	1	EF42601	06/25/04	06/26/04	% calculation	
BH-1 10-11' (4F25003-05) Soil									
Chloride	**1170**	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	**92.0**		%	1	EF42601	06/25/04	06/26/04	% calculation	
BH-1 15-16' (4F25003-06) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	**93.0**		%	1	EF42601	06/25/04	06/26/04	% calculation	
BH-1 20-21' (4F25003-07) Soil									
Chloride	**56.7**	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
BH-1 25-26' (4F25003-08) Soil									
Chloride	**88.6**	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	
BH-1 30-31' (4F25003-09) Soil									
Chloride	**56.7**	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 8-8.2 (4F25003-10) Soil									
Chloride	**106**	20.0	mg/kg Wet	2	EF42503	06/25/04	06/26/04	SW 846 9253	

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

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 EF42801 - Solvent Extraction (GC)										
Blank (EF42801-BLK1)				Prepared & Analyzed: 06/25/04						
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	*36.1*		*mg/kg*	*50.0*		*72.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.4*		*"*	*50.0*		*72.8*	*70-130*			
LCS (EF42801-BS1)				Prepared & Analyzed: 06/25/04						
Gasoline Range Organics C6-C12	420	10.0	mg/kg wet	500		84.0	75-125			
Diesel Range Organics >C12-C35	414	10.0	"	500		82.8	75-125			
Total Hydrocarbon C6-C35	834	10.0	"	1000		83.4	75-125			
Surrogate: 1-Chlorooctane	*45.2*		*mg/kg*	*50.0*		*90.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.2*		*"*	*50.0*		*74.4*	*70-130*			
LCS Dup (EF42801-BSD1)				Prepared & Analyzed: 06/25/04						
Gasoline Range Organics C6-C12	416	10.0	mg/kg wet	500		83.2	75-125	0.957	20	
Diesel Range Organics >C12-C35	423	10.0	"	500		84.6	75-125	2.15	20	
Total Hydrocarbon C6-C35	839	10.0	"	1000		83.9	75-125	0.598	20	
Surrogate: 1-Chlorooctane	*45.2*		*mg/kg*	*50.0*		*90.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		*"*	*50.0*		*75.4*	*70-130*			
Calibration Check (EF42801-CCV1)				Prepared & Analyzed: 06/25/04						
Gasoline Range Organics C6-C12	426		mg/kg	500		85.2	80-120			
Diesel Range Organics >C12-C35	474		"	500		94.8	80-120			
Total Hydrocarbon C6-C35	900		"	1000		90.0	80-120			
Surrogate: 1-Chlorooctane	*51.4*		*"*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.6*		*"*	*50.0*		*75.2*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42803 - Solvent Extraction (GC)										
Blank (EF42803-BLK1)				Prepared & Analyzed: 06/28/04						
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	*37.0*		*mg/kg*	*50.0*		*74.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.0*		*"*	*50.0*		*74.0*	*70-130*			
LCS (EF42803-BS1)				Prepared & Analyzed: 06/28/04						
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	424	10.0	"	500		84.8	75-125			
Total Hydrocarbon C6-C35	835	10.0	"	1000		83.5	75-125			
Surrogate: 1-Chlorooctane	*48.6*		*mg/kg*	*50.0*		*97.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.6*		*"*	*50.0*		*71.2*	*70-130*			
Calibration Check (EF42803-CCV1)				Prepared & Analyzed: 06/28/04						
Gasoline Range Organics C6-C12	445		mg/kg	500		89.0	80-120			
Diesel Range Organics >C12-C35	485		"	500		97.0	80-120			
Total Hydrocarbon C6-C35	930		"	1000		93.0	80-120			
Surrogate: 1-Chlorooctane	*51.8*		*"*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.6*		*"*	*50.0*		*73.2*	*70-130*			
Matrix Spike (EF42803-MS1)	**Source: 4F25003-06**			Prepared & Analyzed: 06/28/04						
Gasoline Range Organics C6-C12	533	10.0	mg/kg dry	538	ND	99.1	75-125			
Diesel Range Organics >C12-C35	576	10.0	"	538	ND	107	75-125			
Total Hydrocarbon C6-C35	1110	10.0	"	1080	ND	103	75-125			
Surrogate: 1-Chlorooctane	*57.1*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.6*		*"*	*50.0*		*97.2*	*70-130*			
Matrix Spike Dup (EF42803-MSD1)	**Source: 4F25003-06**			Prepared & Analyzed: 06/28/04						
Gasoline Range Organics C6-C12	517	10.0	mg/kg dry	538	ND	96.1	75-125	3.05	20	
Diesel Range Organics >C12-C35	577	10.0	"	538	ND	107	75-125	0.173	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1080	ND	101	75-125	1.82	20	
Surrogate: 1-Chlorooctane	*55.3*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.1*		*"*	*50.0*		*96.2*	*70-130*			

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 EF42503 - Water Extraction										
Blank (EF42503-BLK1)				Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	ND	20.0	mg/kg Wet							
Blank (EF42503-BLK2)				Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	ND	20.0	mg/kg Wet							
Blank (EF42503-BLK3)				Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EF42503-MS1)		**Source: 4F25002-01**		Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	851	20.0	mg/kg Wet	500	319	106	80-120			
Matrix Spike (EF42503-MS2)		**Source: 4F25002-21**		Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	1170	20.0	mg/kg Wet	500	659	102	80-120			
Matrix Spike (EF42503-MS3)		**Source: 4F25004-04**		Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	581	20.0	mg/kg Wet	500	99.3	96.3	80-120			
Matrix Spike Dup (EF42503-MSD1)		**Source: 4F25002-01**		Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	840	20.0	mg/kg Wet	500	319	104	80-120	1.30	20	
Matrix Spike Dup (EF42503-MSD2)		**Source: 4F25002-21**		Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	1160	20.0	mg/kg Wet	500	659	100	80-120	0.858	20	
Matrix Spike Dup (EF42503-MSD3)		**Source: 4F25004-04**		Prepared: 06/25/04 Analyzed: 06/26/04						
Chloride	588	20.0	mg/kg Wet	500	99.3	97.7	80-120	1.20	20	
Reference (EF42503-SRM1)				Prepared & Analyzed: 06/26/04						
Chloride	5000		mg/kg	5000		100	80-120			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42503 - Water Extraction										
Reference (EF42503-SRM2)				Prepared & Analyzed: 06/26/04						
Chloride	5000		mg/kg	5000		100	80-120			
Reference (EF42503-SRM3)				Prepared & Analyzed: 06/26/04						
Chloride	5000		mg/kg	5000		100	80-120			
Batch EF42601 - General Preparation (Prep)										
Blank (EF42601-BLK1)				Prepared: 06/25/04 Analyzed: 06/26/04						
% Solids	0.0		%							
Duplicate (EF42601-DUP1)		**Source: 4F24002-01**		Prepared: 06/25/04 Analyzed: 06/26/04						
% Solids	95.0		%		95.0			0.00	20	

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

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 6-29-04

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.

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

Client: Larson

Date/Time: 6/25/04 9:45

Order #: 4F25003

Initials: CDK

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	
Container labels legible and intact?	Yes	(No)	ID not Hemon lid
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:

_____

_____

_____

_____

_____

_____

_____

_____

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: M. Larson

PROJECT NO.: 0-0100-07

PROJECT NAME: Sta #7

PAGE 1 OF

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: 8015 (DRO + GRO)	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/24/04	0830		X		BH-1 0-2'	1		✓	4F25003-01	
	0840				2-4'	1	✓	✓	02	
	0845				4-6'	1		✓	03	
	0848				6-8'	1	✓	✓	04	
	0900				10-11'	1	✓	✓	05	
	0910				15-16'	1	✓	✓	06	
	0915				20-21'	1		✓	07	
	0923				25-26'	1		✓	08	
	0930				30-31'	1		✓	09	
	0850				8-8.2	1		✓	10	

SAMPLED BY: (Signature) [signature] DATE: 6/24/04 TIME: 0930

RELINQUISHED BY: (Signature) [signature] DATE: 6/25/04 TIME: 7:45am

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: ELT
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: 432-563-1800

RECEIVED BY: (Signature) [signature]
DATE: 6/25/04 TIME: 9:45

SAMPLE CONDITION WHEN RECEIVED: 3.5°C

LA CONTACT PERSON: M. Larson

SAMPLE TYPE: Soil 4oz glass

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #7

Project Number: 0-0100-07

Location: None Given

Lab Order Number: 4G12001

Report Date: 07/15/04

Larson & Associates, Inc.	Project: Dynegy Site #7	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-07	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	07/15/04 15:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 10-11'	4G12001-01	Soil	06/24/04 09:00	06/25/04 09:45

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

Larson & Associates, Inc.	Project: Dynegy Site #7	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-07	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	07/15/04 15:36

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 10-11' (4G12001-01) Soil									
Chloride	**62.0**	10.0	mg/L	1	EG41510	07/14/04	07/15/04	1312/9253	

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 EG41510 - EPA 1312/9253										
Blank (EG41510-BLK1)				Prepared: 07/14/04 Analyzed: 07/15/04						
Chloride	0.00	10.0	mg/L							
Matrix Spike (EG41510-MS1)		**Source: 4G12001-01**		Prepared: 07/14/04 Analyzed: 07/15/04						
Chloride	292	10.0	mg/L	250	62.0	92.0	80-120			
Matrix Spike Dup (EG41510-MSD1)		**Source: 4G12001-01**		Prepared: 07/14/04 Analyzed: 07/15/04						
Chloride	301	10.0	mg/L	250	62.0	95.6	80-120	3.04	20	
Reference (EG41510-SRM1)				Prepared & Analyzed: 07/15/04						
Chloride	4790		mg/L	5000		95.8	80-120			

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

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: 7-15-04

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.

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: M. Larson

PROJECT NO.: 0-0100-07

PROJECT NAME: Sta #7

PAGE 1 OF

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	8015 (DRO + GRO)	Chloride	SPLP - Chloride 07-12-04 See attached fax	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/24/04	0830		X		BH-1 0-2'	1		✓		HF25003-01	
	0840				2-4'	1	✓	✓		02	
	0845				4-6'	1		✓		03	
	0848				6-8'	1	✓	✓		04	
	0900				10-11'	1	✓	✓	X	05	Resubmit # 4G12001-01
	0910				15-16'	1	✓	✓		06	
	0915				20-21'	1		✓		07	
	0923				25-26'	1		✓		08	
↓	0930		↓		30-31'	1		✓		09	
↓	0850		↓		8-8.2	1		✓		10	

PARAMETERS/METHOD NUMBER

SAMPLED BY: (Signature) DATE: 6/24/04 TIME: 0930

RELINQUISHED BY: (Signature) DATE: 6/25/04 TIME: 7:45am

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: COPY

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: ELT
ADDRESS: 2600 W I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: Roland Tuttle PHONE: 432-563-1800

RECEIVED BY: (Signature) Celia Keene
DATE: 6/25/04 TIME: 9:19:35

SAMPLE CONDITION WHEN RECEIVED: 3.5°C

LA CONTACT PERSON: M. Larson

SAMPLE TYPE: Soil 4 oz glass

FAX

DATE: July 12, 2004

TO: Jeanne McMurrey
Environmental Lab of Texas, Inc.

FAX: (432) 563-1713

FROM: Mark J. Larson
Larson and Associates, Inc.

PAGES (with cover): 1

Re: **Request for Additional Soil Sample Analysis**

Jeanne:
Please analyze the following soil sample for chloride using the SPLP method:
Lab Order Number: 4F25003
Lab Sample Number: 4F25003-05
LA Sample Number: BH-1, 10 – 11'

Larson and Associates, Inc.
507 N. Marienfeld Street
Suite 202
Midland, Texas 79701
(432) 687-0901 (office)
(432) 556-8656 (mobile)
(432) 687-0456 (fax)

www.LAenvironmental.com
mark@LAenvironmental.com

Please call (432) 687-0901 if this transmittal is not legible

APPENDIX B

Boring Log

Client: Dynegy Midstream Services, L.P.

Project: Site No. 07

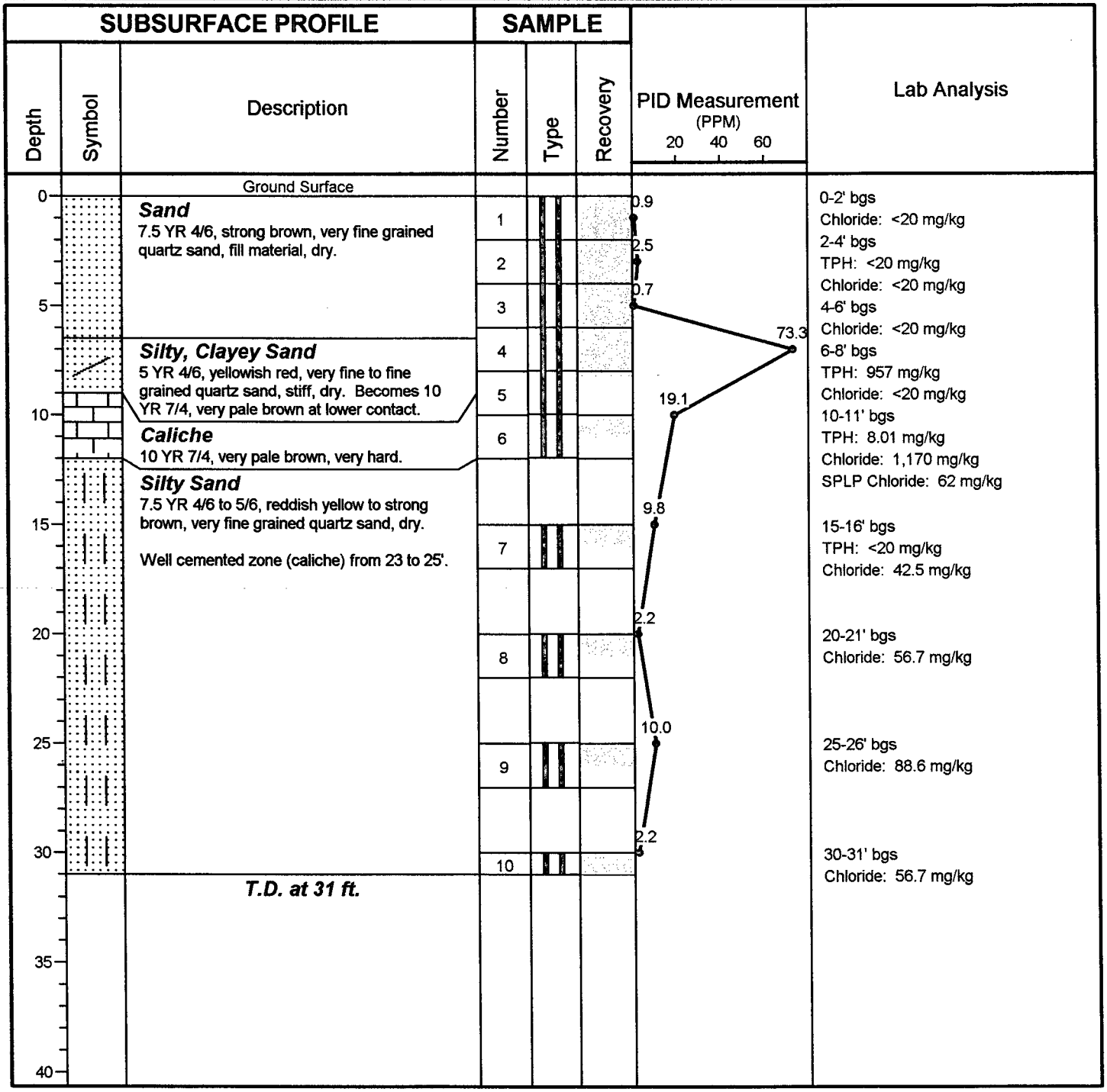
Project No: 0-0100-07

Location: SE/SW, Sec. 29, T21S, R37E, Lea Co., NM

Log of Borehole: BH-1

Geologist: Mark J Larson

Page: 1 of 1



Drilling Method: Air Rotary

Date Drilled: 6/24/04

Hole Size: 5"

Larson and Associates, Inc.
507 North Marienfeld St., Ste. 202
Midland, Texas 79701
(915) 687-0901

Checked by: CKC

Drilled by: Scarborough Drlg.