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STAGE 1 & 2 REPORTS

DATE: 12/27/2001



NEW M. ZXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON Governor Jennifer A. Salisbury Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

December 27, 2001

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT NO. 7000-1670-0012-5357-8109</u>

Mr. Cal Wrangham Dynegy Midstream Services, L.P. 6 Desta Dr., Suite 3300 Midland, Texas 79705

RE: CASE #1R0334 ELDRIDGE RANCH PIPELINE SPILL SITE MONUMENT, NEW MEXICO

Dear Mr. Wrangham:

The New Mexico Oil Conservation Division (OCD) has reviewed Dynegy Midstream Services, L.P. (Dynegy) May 14, 2001 "PIPELINE ASSESSMENT REPORT, DYNEGY MIDSTAREM SERVICES, L.P., NW/4, SW/4, SECTION 21, TOWNSHIP 19 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO" which was submitted on behalf of Dynegy by their consultant Larson & Associates, Inc. This document contains the results of Dynegy's investigation of the extent of contamination from a pipeline spill adjacent to the Eldridge Ranch and located in Unit L of Section 21, Township 19 South, Range 37 East, Lea County, New Mexico. The document also requests approval to cover and close the site based upon the investigation results.

The above-referenced closure request is approved. Please be advised that OCD approval does not relieve Dynegy of responsibility if remaining contamination poses a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve Dynegy of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 476-3491.

Sincerely

William C. Olson Hydrologist Environmental Bureau

xc: Chris Williams, OCD Hobbs District Supervisor



November 21, 2003

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 L (NW/4, SW/4) Section 21, Township 19 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 southwest quarter (SW/4), Section 21, Township 19 South, Range 37 East, Lea County, New Mexico (Site #36). The leak occurred, and was repaired on December 12, 2002 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 Monday, January 13, 2003, LA conducted a subsurface investigation to determine the extent of impact. Soil samples were obtained by hand auger methods at three locations. The hand auger soil samples were collected using a stainless-steel hand auger that was thoroughly cleaned between sample events using potable water and laboratory-grade detergent, and rinsed with distilled water. The hand auger was advanced to a depth of approximately four (4) feet at each location, when auger refusal was encountered. Soil samples were collected from soil boring SS-1 at depths of 0-1 foot, 2 feet and 3.8 feet. Soil samples were collected from soil boring SS-2 at depths of 0-1 foot, 2 feet and 4 feet. Soil samples were collected from soil boring SS-3 at depths of 0-1 foot, 2 feet and 3.8 feet.

All soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas, Inc., located in Odessa, Texas. Soil samples from hand auger borings were analyzed for total petroleum hydrocarbons (TPH) by EPA method SW-846-8015, benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) by EPA method SW-846-8021B, and for chloride by EPA method SW-846-9253. Table 1 presents a summary of the laboratory analyses of soil from hand auger borings. Figure 2 shows the location of the borings. Appendix A presents laboratory data and chain of custody documentation.

Based on published literature (1961) and well records of the New Mexico State Engineer, groundwater occurs at approximately 75 to 80 feet below ground surface (bgs). No domestic water

Mr. Paul Sheeley November 21, 2003 Page 2

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	1000 mg/kg

Referring to Table 1, all soil samples collected from hand auger boring SS-1 exceeded the RRALs for TPH (0-1' - 1300 mg/kg; 2' - 7890 mg/kg; 3.8' - 646.3 mg/kg). The RRAL for BTEX was exceeded in one sample from boring SS-1 (2' - 61.79 mg/kg). No other soil samples exceeded the RRALs for TPH or BTEX.

The NMOCD does not have an RRAL for chloride in soil, although it has applied the New Mexico Water Quality Control Commission (NMWQCC) standard of 250 milligrams per liter (mg/L) as an action level for soil. All soil samples collected from hand auger borings at Site #36 showed chloride concentrations to be below the test method detection limit.

On May 13, 2003, Site #36 was excavated to a depth of approximately five (5) feet bgs and samples were collected for headspace analysis. The headspace jars were filled approximately ³/₄ full, and a layer of aluminum foil was placed over the opening of the jar 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), and recorded in a bound field notebook. The PID was calibrated to 99.1 ppm isobutylene prior to obtaining headspace readings. Table 2 shows the PID readings. Figure 2 shows the sample locations.

Referring to Table 2, soil samples SS-1 (>1999 ppm), SS-2 (>1999 ppm), SS-4 (703 ppm) and SS-5 (206.4 ppm), indicated the need for additional excavation at those sample locations.

Soil from the excavation was placed adjacent to the hole, and blended to reduce the TPH levels below the RRAL. A grab sample was obtained from the blended soil, and is presented as SS-8 (Spoil) in Table 2.

Excavation and blending of stockpiled soil continued, periodically, until samples were collected from the sides and bottom of the Site #36 excavation on June 12, 2003. All soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas, Inc., located in Odessa, Texas. A portion of each sample

Mr. Paul Sheeley November 21, 2003 Page 3

was also placed in a clean glass sample jar for headspace analysis, as previously described. The samples were analyzed for TPH by EPA method SW-846-8015, including gasoline range (GRO) and diesel range organics (DRO), and for chloride by EPA method SW-846-9253. No samples were tested for BTEX since the PID readings were below 100 ppm. The NMOCD does not require BTEX analysis if a PID reading is below 100 ppm. Table 3 provides a summary of the soil sample analyses and PID readings. Figure 2 shows the sample locations. Appendix A provides laboratory results. Appendix B provides photographs.

Referring to Table 3, final samples obtained from Site #36 were below the RRALs; therefore, the excavation was filled with blended soil. Clean soil was used to fill the remainder of the excavation.

Dynegy requests that Site #36 be closed. Please contact Mr. Cal Wrangham with Dynegy at (432) 688-0555 or myself at (432) 687-0901 if you have questions.

Sincerely, Larson & Associates, Inc.

K. Crain

Cindy K. Crain Geologist

Encl.

cc: Mr. Cal Wrangham - Dynegy Mr. Dave Harris – Dynegy Mr. Sam Hodges - Dynegy

507 North Marienfeld, Suite 202 Midland, Texas 79701 Ph. (915) 687-0901 Fax (915) 687-0456

TABLES

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Summary of Laboratory Analyses of Soil From Hand Auger Borings Dynegy Midstream Services, L.P., Spill Site #36 NW/4, SW/4, Section 21, Township 19 South, Range 37 East Table 1:

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	Lea Count	ty, New Mexic	00							Page 1 of	1
Sample	Soil	Sample	GRO	DRO	HdT	Benzene	Toluene	Ethylbenzene	Xylene	Total	Chloride
Date	Boring	Depth	C6-C12	>C12-C35	C6-C35	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX	(mg/kg)
		(Feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)					(mg/kg)	
1/13/2003	SS-1	0-1	170	1130	1300	0.043	0.8	1.560	4.42	6.823	<20
		2	1130	6760	7890	1.31	18.4	13.800	28.28	61.79	<20
		3.8	70.3	576	646.3	<0.025	0.097	0.131	0.316	0.544	<20
1/13/2003	SS-2	0-1	15.1	73.3	88.4	<0.025	<0.025	<0.025	<0.05	<0.125	<20
		2	18.8	76.4	95.2	<0.025	<0.025	<0.025	0.050	0.050	<20
		4	10.7	41.9	52.6	<0.025	<0.025	<0.025	<0.05	<0.125	<20
1/13/2003	SS-3	0-1	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.05	<0.125	<20
		2	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.05	<0.125	<20
		3.8	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.05	<0.125	<20

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

Sample depth in feet below ground surface 1. BGS:

Diesel-range organics 2. DRO:

Gasoline-range organics 3. GRO: 4. TPH:

Total petroleum hydrocarbons (Sum of DRO + GRO)

Milligrams per kilogram 5. mg/kg: 6. <:

Below method detection limit

Table 2:Summary of Headspace Analyses of Soil Samples
Dynegy Midstream Services, L.P., Spill Site #36
NW/4, SW/4, Section 21, T 19 South, R 37 East
Lea County, New Mexico

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Lea County, N	lew Mexico		Page 1 of 1
Sample Date	Soil Sample	Sample Depth (Feet bgs)	PID ppm
5/13/2003	SS-1	5	>1999
5/13/2003	SS-2	5	>1999
5/13/2003	SS-3	5	93.5
5/13/2003	SS-4	5	703.0
5/13/2003	SS-5	5	206.4
5/13/2003	SS-6	5	57.2
5/13/2003	SS-7	5	0.4
5/13/2003	SS-8	Spoil	0.0

1. PID: Photoionization detector

2. ppm: Parts per million

Table 3:Summary of Headsapce and Laboratory Analyses of Soil SamplesDynegy Midstream Services, L.P., Spill Site #36NW/4, SW/4, Section 21, Township 19 South, Range 37 EastLea County, New Mexico

Sample	Soil	Sample Depth	GRO C6	DRO >C12-	TPH C6	Chloride	PID
Date	Boring		C12	C35	C35		
		(Feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ppm)
6/12/2003	SS-1	4	15.7	124	139.7	<20	20.3
6/12/2003	SS-2	3	<10.0	<10.0	<20.0	<20	0.1
6/12/2003	SS-3	3	<10.0	<10.0	<20.0	<20	0.1
6/12/2003	SS-4	5	<10.0	<10.0	<20.0	<20	0.1
6/12/2003	SS-5	5	<10.0	<10.0	<20.0	<20	0.1
6/12/2003	SS-6	5	<10.0	<10.0	<20.0	<20	0.4
6/12/2003	SS-7	5	<10.0	<10.0	<20.0	<20	0.1
6/12/2003	SS-8	Spoil	<10.0	25.9	25.9	<20	0.1

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

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FIGURES

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APPENDIX A

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LABORATORY REPORTS

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ANALYTICAL REPORT

Prepared for:

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

Project:Dynegy / Eunice SitePO#:G0305446Report Date:01/16/2003

<u>Certificates</u> US EPA Laboratory Code TX00158

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ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

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

915-687-0456

Order#:G0305446Project:0-0100-36Project Name:Dynegy / Eunice SiteLocation:None Given

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, unless otherwise noted.

				Date / Time	Date /	Time		
<u>Lab ID:</u>	Sample :	<u>Matrix:</u>	. <u></u>	Collected	Recei	ived <u>Cor</u>	ntainer	Preservative
0305446-01	SS-1 0-1'	SOIL		1/13/03	1/13	3/03 4 oz	Glass	Ice
Ia	h Testina.	Rejected:	No	13:20 Ten	16: nn: 20	20 I C		
Eur	9015M	nejeeneur		10	up. 2.0			
	8013M							
	8021B/3030 BIEA							
	Chloride							
0305446-02	SS-1 2'	SOIL		1/13/03 13:25	1/13 16:	3/03 4 oz	Glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Ten	np: 2.0	C		
	8015M							
	8021B/5030 BTEX							
	Chloride		•					
0305446-03	SS-1 3.8'	SOIL		1/13/03	1/13	3/03 4 oz	Glass	Ice
				13:35	16:	:20		
La	<u>b Testing:</u>	Rejected:	No	Ten	np: 2.0) C		
	8015M							
	8021B/5030 BTEX							
	Chloride							
0305446-04	SS-2 0-1'	SOIL		1/13/03	1/13	3/03 4 oz	Glass	Ice
-			м.	13:40	16:	:20		
La	b Testing:	Rejected:	NO	Ter	np: 2.0			
	8015M							
	8021B/5030 BTEX							
	Chloride							
0305446-05	SS-2 2'	SOIL		1/13/03	1/13	3/03 4 oz	Glass	Ice
Ŧ	1 100 1	Datadada	No	13:50	16:	:20		
La	<u>D Testing:</u>	Rejecteu:	NU	101	np: 2.0			
	8015M							
	8021B/5030 BTEX							
	Chloride	, ·						
0305446-06	SS-2 4'	SOIL		1/13/03 13:55	1/13 16	3/03 4 oz :20	Glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Те	mp: 2.0	0 C		
	8015M							

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ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

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

Order#:G0305446Project:0-0100-36Project Name:Dynegy / Eunice SiteLocation:None Given

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, unless otherwise noted.

				Date / Time	e I	Date / Time		
<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>		Collected		Received	Container	Preservative
i	8021B/5030 BTEX							
	Chloride							
0305446-07	SS-3 0-1'	SOIL		1/13/03		1/13/03	4 oz Glass	Ice
				14:05		16:20		
	ib Testing:	Rejected:	No	Т	emp:	2.0 C		
	8015M							
ł	8021B/5030 BTEX							
	Chloride							
0305446-08	SS-3 2'	SOIL		1/13/03		1/13/03	4 oz Glass	Ice
				14:15		16:20		
<u>La</u>	<u>ıb Testing:</u>	Rejected:	No	Т	emp:	2.0 C		
	8015M							
	8021B/5030 BTEX							
	Chloride							
0305446-09	SS-3 3.8'	SOIL		1/13/03		1/13/03	4 oz Glass	Ice
				14:23		16:20		
La	<u>ab Testing:</u>	Rejected:	No	Т	emp:	2.0 C		
	8015M							
1	8021B/5030 BTEX							
	Chloride							

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CINDY CRAIN LARSON AND ASS P.O. BOX 50685 MIDLAND, TX 79	SOCIATES, INC. 710			Order#: Project: Project Nam Location:	G03 0-01 e: Dyn Non	05446 00-36 egy / Eunice Site e Given	
Lab ID: Sample ID:	0305446-01 SS-1 0-1'						
				8015M			
	Method	Date	Date	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
			1/13/03	1	1	СК	8015M
		Parameter		Resul mg/kg	t g	RL	
		GRO, C6-C12		170		10.0	
		DRO, >C12-C35	;	1,130)	10.0	
		TOTAL, C6-C3	5	1,300)	10.0	
		Surrog	ates	% Recovered	QC Li	mits (%)	
		1-Chlorooc	tane	117%	70	130	
		1-Chlorooc	tadecane	121%	70	130	
			80211	B/5030 BTEX	7		
	Method	Date	Date	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	Amount	Factor	<u>Analyst</u>	Method
	0004353-02	2	1714/03	I	25	CK	8021B
		Parameter		Resul mg/kg	lt g	RL	
		Benzene		0.043	3	0.025	
		Toluene		0.800)	0.025	
		Ethylbenzene	~	1.56		0.025	
		p/m-Xylene		3.17		0.025	
		o-Xylene		1.25		0.025	
		·····		·			
		Surrog	ates	% Recovered	QC Li	mits (%)	
		aaa- I oluer	1e	108%	08	120	
		Bromotiuo		100%	00	120	

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12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

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CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G0 0-0 : Dyi Noi	305446 100-36 negy / Eunice Sit ne Given	e
Lab ID:	0305446-02						
Sample ID:	SS-1 2'						
				8015M			
	Method	Date	Date	Sample	Dilutio	on , , , , ,	
	Blank	Prepared	Analyzed	Amount	Facto	<u>r Analyst</u>	Method
			1/13/03	1	10	СК	8015M
		Parameter		Result		RL	
				mg/kg			
		GRO, C6-C12		1130		100	
		DRO, > C12-C33	5	6760		100	
		101AL, CO-C3.		/890		100	
		Surrog	ates	% Recovered	QC L	mits (%)	
		1-Chlorooc	tane	11%	70	130	
		1-Chlorooc	tadecane	15%	70	130	
			80211	3/5030 BTEX			
	Method	Date	Date	Sample	Dilutio	on in the second se	
	Blank	Prepared	Analyzed	Amount	Facto	<u>r Analyst</u>	Method
	0004353-02		17:46	I	100	СК	8021B
		Parameter		Result mg/kg		RL	
		Benzene		1.31		0.100	
		Toluene		18.4		0.100	
		Ethylbenzene		13.8		0.100	
		p/m-Xylene		21.6		0.100	
		o-Xylene		6.68		0.100	
		Surrog	jates	% Recovered	QC L	imits (%)	
		aaa-Toluer	ne	174%	80	120	
		Bromofluor	robenzene	124%	80	120	

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CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	SSOCIATES, INC. 79710			Order#: Project: Project Nam Location:	G0. 0-0 le: Dy1 Not	305446 100-36 negy / Eunice Site ne Given	
Lab ID: Sample ID:	0305446-03 SS-1 3.8'			001514			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	8015M Sample <u>Amount</u>	Dilutio <u>Facto</u>	on <u>r Analyst</u>	Method
			1/13/03	1	5	CK	8015M
		Parameter		Resu mg/k	lt g	RL	
		GRO, C6-C12		70.3		50.0	
		DRO, >C12-C35		576		50.0	
		TOTAL, C6-C35		646		50.0	
		Surroge		% Recovered		imits (%)	
		1-Chlorooct	lane	17%	70	130	
		1-Chlorooc	tadecane	17%	70	130	
			80211	3/5030 BTEX	,		
	Method	Date	Date	Sample	Dilutio	on	
	<u>Blank</u>	Prepared	<u>Analyzed</u>	Amount	<u>Facto</u>	<u>r Analyst</u>	Method
	0004353-02		1/14/03 18:07	1	25	СК	8021B
		Parameter		Resu mg/k	lt g	RL	
		Benzene		<0.02	5	0.025	
		Toluene		0.09	7	0.025	
		Ethylbenzene		0.13	1	0.025	
		p/m-Xylene		0.240	5	0.025	
		o-Xylene		0.070)	0.025	
		Surrog	ates	% Recovered	QC L	imits (%)	
		aaa-Toluen	е	98%	80	120	
		Dramafluar	abanzana	1109/	90	120	

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CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	SSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G03 0-0 : Dyr Nor	305446 100-36 negy / Eunice Site ne Given	
Lab ID: Sample ID:	0305446-04 SS-2 0-1'						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Facto</u>	n <u>r Analyst</u>	Method
			1/13/03	1	1	СК	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		15.1		10.0	
		DRO, >C12-C35		73.3		10.0	
		TOTAL, C6-C35		88.4		10.0	
		Surroga	ites	% Recovered	QC Li	mits (%)	
		1-Chlorooct	ane	89%	70	130	
		1-Chlorooct	adecane	86%	70	130	
			8021E	B/5030 BTEX			
	Method	Date	Date	Sample	Dilutio	n	
	<u>Blank</u>	Prepared	Analyzed	Amount	Facto	<u>r Analyst</u>	Method
	0004353-02	2	1/14/03 18:29	1	25	СК	8021B
		Parameter		Resul mg/kg	t	RL	
		Benzene		<0.02	5	0.025	
		Toluene		<0.02	5	0.025	
		Ethylbenzene		< 0.02	5	0.025	
		p/m-Xylene		<0.02	5	0.025	
		o-Xylene		<0.025	5	0.025	
		Surrog	ates	% Recovered	QC L	imits (%)	
		aaa-Toluen	e	102%	80	120	
		Bromofluor	obenzene	106%	80	120	

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CINDY CRAIN LARSON AND AS P.O. BOX 50685 MIDLAND, TX	5SOCIATES, INC. 79710				Order#: Project: Project Name Location:	G03 0-01 : Dyn Non	05446 .00-36 .egy / Eunice Site .e Given	
Lab ID: Sample ID:	0305446-05 SS-2 2'							
					8015M			
	Method <u>Blank</u>	Date <u>Prepar</u>	ed	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Facto</u>	n <u>Analyst</u>	Method
				1/13/03	1	1	СК	8015M
		Paramet	er		Result mg/kg		RL	
		GRO, C6-0	C12		18.8		10.0	
		DRO, >C1	2-C35		76.4		10.0	
		TOTAL, C	6-C35		95.2		10.0	
		s	urroga	tes	% Recovered	QC Li	mits (%)	
		1-Ch	loroocta	ane	91%	70	130	
		1-Ch	loroocta	adecane	90%	70	130	
				8021E	8/5030 BTEX			
	Method	Date		Date	Sample	Dilutio	n	
	<u>Blank</u>	Prepar	ed	Analyzed	Amount	Factor	<u>Analyst</u>	Method
	0004353-02			1/14/03 18:50	I	25	СК	8021B
		Paramet	ter		Result mg/kg		RL	
		Benzene			<0.025		0.025	
		Toluene			<0.025		0.025	
		Ethylbenze	ene		<0.025		0.025	
		p/m-Xylen	e		0.050		0.025	
		o-Xylene			<0.025		0.025	
		<u> </u>	Surroga	tes	% Recovered	OC Li	mits (%)	
		aaa-	Toluen		102%	80	120	
-		Brom	ofluoro	benzene	114%	80	120	

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CINDY CRAIN LARSON AND AS P.O. BOX 50685 MIDLAND, TX 7	SOCIATES, INC. 9710			Order#: Project: Project Name Location:	G03 0-0 e: Dyr Nor	805446 100-36 1egy / Eunice Site 1e Given	
Lab ID: Sample ID:	0305446-06 SS-2 4'						
				8015M			
	Method	Date	Date	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	Amount	Facto	r <u>Analyst</u>	Method
			1/13/03	1	1	СК	8015M
		Parameter		Resul	t	RL	
				mg/kg		10.0	
		GRU, C6-C12		10.7		10.0	
		DRO, >C12-C35		41.9		10.0	
		101AL, C6-C35		52.0		10.0	
		Surrogat		% Recovered	ос ц	mits (%)	
		1-Chloroocta	ine	89%	70	130	
		1-Chloroocta	decane	88%	70	130	
			80211	8/5030 BTEX	•		
	Method	Date	Date	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	Amount	Facto	r <u>Analyst</u>	Method
	0004353-02	1	1/14/03 19:11	1	25	СК	8021B
		Parameter		Resul mg/kg	t	RL	
		Benzene		<0.02	5	0.025	
		Toluene		<0.02	5	0.025	
		Ethylbenzene		<0.02	5	0.025	
		p/m-Xylene		<0.02	5	0.025	
		o-Xylene		<0.02	5	0.025	
				•••••			
		Surroga	tes	% Recovered	QC Li	mits (%)	
		Surroga aaa-Toluene	tes	% Recovered 100%	QC Li 80	mits (%) 120	

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CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710					(]]]	Order#: Project: Project Name Location:	G(0-(: Dy No)305446)100-36 /negy / Eu one Given	nice Site	
Lab ID: Sample ID:	0305446-07 SS-3 0-1'									
				ł	8015	5M				
	Method <u>Blank</u>	ļ	Date Prepared	Date <u>Analyzed</u> 1/13/03	8 <u>A</u>	Sample <u>mount</u> 1	Diluti <u>Fact</u> 1	ion or <u>A</u> l	<u>1alyst</u> CK	<u>Method</u> 8015M
		Pa	rameter			Result mg/kg		RL		
		GRO	, C6-C12			<10.0		10.0		
		DRO	, >C12-C35			<10.0		10.0		
		101	AL, C6-C35			<10.0		10.0		
			Surroga	tes	%	Recovered	QC I	imits (%)]	
			1-Chloroocta	ane		88%	70	130	1	
			1-Chloroocta	adecane		85%	70	130	J	
				8021B	/503	<i>RO BTEX</i>				
	Method	1	Date	Date	5	Sample	Diluti	ion	14	Mathad
	<u>Blank</u> 0004365-02	<u>1</u>	rrepared	<u>Anatyzed</u> 1/14/03 21:59	A	1	<u>ract</u> 25		CK	8021B
		Pa	rameter			Result mg/kg		RL		
		Benz	ene			< 0.025		0.02	5	
		Tolu	ene			<0.025		0.02	5	
		Ethy	lbenzene			< 0.025		0.02	5	
		p/m-	Xylene			< 0.025		0.02	5	
		o-Xy	lene			<0.025		0.02	3	
			Surroga	tes	%	Recovered	00.1	imits (%)	7	
			aaa-Toluen		-	102%	80	120	1	
			Bromofluoro	benzene		106%	80	120	1	

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LARSON AND ASSO P.O. BOX 50685 MIDLAND, TX 79714	CIATES, INC.			Order#: Project: Project Name Location:	0-01 : Dyn Non	05446 00-36 egy / Eunice Sito e Given	;
Lab ID: 0. Sample ID: S	305446-08 8-3 2'						
				8015M			
	Method	Date	Date	Sample	Dilution	1	
	<u>Blank</u>	Prepared	<u>Analyzed</u> 1/13/03	<u>Amount</u> 1	Factor 1	<u>Analyst</u> CK	<u>Method</u> 8015M
		Parameter		Result		RL	
		GRO CG-CI	2	mg/kg		10.0	
		DRO, >C12-	C35	<10.0		10.0	
		TOTAL, C6-	C35	<10.0		10.0	
		Sur	rogates	% Recovered	QC Lin	nits (%)	
		1-Chlor	rooctane	86%	70	130	
		1-Chlor	rooctadecane	83%	70	130	
			8021B	2/5030 BTEX			
	Method	Date	Date A polyzod	Sample	Dilution	1 A polyet	Mathod
	<u>Blank</u> 0004365-02	rieparec	<u>1 Analyzeu</u> 1/14/03	<u>Aniount</u> 1	25	CK	8021B
	0004505 04		22:20				
		Parameter	r	Result mg/kg		RL	
		Benzene		<0.025		0.025	
		Toluene		<0.025		0.025	
		Ethylbenzen	e	<0.025		0.025	
		p/m-Xylene		<0.025		0.025	
					I		
		Su	rrogates	% Recovered	QC Li	nits (%)	
		aaa-To	luene	102%	80	120	
		Bromo	fluorobenzene	106%	80	120	

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CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710				Order#: Project: Project Name Location:	G030 0-010 :: Dyne None	5446 10-36 gy / Eunice Site Given	
Lab ID: Sample ID:	0305446-09 SS-3 3.8'						
				8015M			
	Method	Date Durana d	Date	Sample	Dilution	A se a lavat	Mathad
	Blank	Prepared	<u>Analyzeu</u> 1/13/03	<u>Amount</u> 1	<u>ractor</u> 1	<u>Analyst</u> CK	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12	·····	<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35	5	<10.0		10.0	
		Surrog	ates	% Recovered	QC Lim	its (%)	
		1-Chlorooc	tane	86%	70	130	
		1-Chlorooc	tadecane	83%	70	130	
			80211	8/5030 BTEX			
	Method	Date Brononed	Date	Sample	Dilution	Analyst	Mathod
	<u>Blank</u> 0004365-02	rrepareu	<u>Analyzeu</u> 1/14/03 22:41	<u>Amount</u> 1	<u>14ctor</u> 25	<u>Analyst</u> CK	8021B
		Parameter		Resul mg/kg	t	RL	
		Benzene		<0.025	5	0.025	
		Toluene		<0.025	5	0.025	
		Ethylbenzene		<0.025		0.025	
		o-Xylene		<0.02	5	0.025	
					·l		
		Surrog	ates	% Recovered	QC Lin	uits (%)	
		aaa-Toluer	1e	102%	80	120	
		Bromofluor	obenzene	111%	80	120	

Approval <u>Percure</u> CI-16-CB Raland K. Tuttle, Lab Director, QA Officer Date Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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CINDY CRAIN LARSON AND P.O. BOX 5068 MIDLAND, TY	ASSOCIATES, INC. 5 X 79710		Order# Project Project Locatio	t: t: t Name: on:	G0305446 D-0100-36 Dynegy / Eu None Given	nice Site	·,	
Lab ID: Sample ID:	0305446-01 SS-1 0-1'							
Test Paran Parameter	neters	Result	Units	Dilution Factor	RL	Method	Date Analyzed	<u>Analyst</u>
Chloride		<20	mg/kg	1	20	9253	1/14/03	SB
Lab ID: Sample ID:	0305446-02 SS-1 2'							
Test Paran Parameter	neters	<u>Result</u>	Units	Dilutior <u>Factor</u>	۱ <u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		<20	mg/kg	1	20	9253	1/14/03	SB
Lab ID: Sample ID:	0305446-03 SS-1 3.8'							
Test Paran Parameter	neters	Result	Units	Dilutior <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		<20	mg/kg	1	20	9253	1/14/03	SB
Lab ID: Sample ID:	0305446-04 SS-2 0-1'							
Test Paran Parameter	neters	Result	Units	Dilutior <u>Factor</u>	RL	Method	Date Analyzed	<u>Analyst</u>
Chloride		<20	mg/kg	1	20	9253	1/14/03	SB
Lab ID: Sample ID:	0305446-05 SS-2 2'							
Test Parar Parameter	neters	Result	Units	Dilutior <u>Factor</u>	n <u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		<20	mg/kg	1	20	9253	1/14/03	SB
Lab ID: Sample ID:	0305446-06 SS-2 4'				· · · · ·			
Test Paran Parameter	meters	<u>Result</u>	Units	Dilution <u>Factor</u>	1 : <u>RL</u>	Method	Date Analyzed	Analyst
Chloride		<20	mg/kg	1	20	9253	1/14/03	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710			Order# Project Project Locatio	4: (1: (1: Name:) Dn:]	G0305446 D-0100-36 Dynegy / Eu None Given	nice Site		
Lab ID: Sample ID:	0305446-07 SS-3 0-1'							
Test Paran Parameter Chloride	neters	<u>Result</u> <20	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/14/03	<u>Analyst</u> SB
Lab ID: Sample ID:	0305446-08 SS-3 2'							
Test Paran Parameter Chloride	neters	<u>Result</u> <20	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/14/03	<u>Analyst</u> SB
Lab ID: Sample ID:	0305446-09 SS-3 3.8'							
Test Paran Parameter Chloride	neters	<u>Result</u> <20	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/14/03	<u>Analyst</u> SB

Approval: <u>Glance Manurey 01-16</u>-03 Raland K. Tuttle, Lab Director, QA Officer Date

Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0305446

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004334-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004334-03		952	838	88.%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004334-04		952	841	88.3%	0.4%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004334-05		1000	861	86.1%	

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX or

Order#: G0305446

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004353-02	· ····································		<0.025		<u> </u>
Benzene-mg/kg	0004365-02			<0.025		,
Toluene-mg/kg	0004353-02			<0.025		
Toluene-mg/kg	0004365-02	· · · · · · · · · · · · · · · · · · ·		<0.025		
Ethylbenzene-mg/kg	0004353-02	······		<0.025		
Ethylbenzene-mg/kg	0004365-02			<0.025		
p/m-Xylene-mg/kg	0004353-02			<0.025		· · · · · ·
p/m-Xylene-mg/kg	0004365-02	<u></u>		<0.025		
o-Xylene-mg/kg	0004353-02			<0.025		
o-Xylene-mg/kg	0004365-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0305435-48	0	0.1	0.094	94.%	
Benzene-mg/kg	0305449-02	0	0.1	0.104	104.%	<u></u>
Toluene-mg/kg	0305435-48	0	0.1	0.096	96.%	
Toluene-mg/kg	0305449-02	0	0.1	0.106	106.%	
Ethylbenzene-mg/kg	0305435-48	0	0.1	0.095	95.%	
Ethylbenzene-mg/kg	0305449-02	0	0.1	0.108	108.%	
p/m-Xylene-mg/kg	0305435-48	0	0.2	0.201	100.5%	
p/m-Xylene-mg/kg	0305449-02	0	0.2	0.228	114.%	
o-Xylene-mg/kg	0305435-48	0	0.1	0.095	95.%	
o-Xylene-mg/kg	0305449-02	0	0.1	0.110	110.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0305435-48	0	0.1	0.094	94.%	0.%
Benzene-mg/kg	0305449-02	0	0.1	0.098	98.%	5.9%
Toluene-mg/kg	0305435-48	0	0.1	0.096	96.%	0.%
Toluene-mg/kg	0305449-02	0	0.1	0.101	101.%	4.8%
Ethylbenzene-mg/kg	0305435-48	0	0.1	0.095	95.%	0.%
Ethylbenzene-mg/kg	0305449-02	0	0.1	0.103	103.%	4.7%
p/m-Xylene-mg/kg	0305435-48	0	0.2	0.202	101.%	0.5%
p/m-Xylene-mg/kg	0305449-02	0	0.2	0.216	108.%	5.4%
o-Xylene-mg/kg	0305435-48	0	0.1	0.096	96.%	1.%
o-Xylene-mg/kg	0305449-02	0	0.1	0.104	104.%	5.6%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004353-05		0.1	0.112	112.%	
Benzene-mg/kg	0004365-05		0.1	0.104	104.%	
Toluene-mg/kg	0004353-05	· ·······	0.1	0.111	111.%	
Toluene-mg/kg	0004365-05		0.1	0.107	107.%	
Ethylbenzene-mg/kg	0004353-05		0.1	0.110	110.%	

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX Or

Order#: G0305446

SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ethylbenzene-mg/kg	···· ·································	0004365-05		0.1	0.108	108.%	
p/m-Xylene-mg/kg		0004353-05		0.2	0.231	115.5%	<u></u>
p/m-Xylene-mg/kg		0004365-05		0.2	0.225	112.5%	
o-Xylene-mg/kg		0004353-05		0.1	0.111	111.%	
o-Xylene-mg/kg		0004365-05		0.1	0.108	108.%	

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

Test Parameters

Order#: G0305446

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004333-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305446-01	0	1131	1010	89.3%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	- <u></u> -	0305446-01	1010	1131	1010	89.3%	0.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004333-04		5000	4960	99.2%	

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CASE NARRATIVE ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 Order#: G0305446

Project: Dynegy / Eunice Site

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SS-1 0-1'	0305446-01	SOIL	01/13/2003	01/13/2003
SS-1 2'	0305446-02	SOIL	01/13/2003	01/13/2003
SS-1 3.8'	0305446-03	SOIL	01/13/2003	01/13/2003
SS-2 0-1'	0305446-04	SOIL	01/13/2003	01/13/2003
SS-2 2'	0305446-05	SOIL	01/13/2003	01/13/2003
SS-2 4'	0305446-06	SOIL	01/13/2003	01/13/2003
SS-3 0-1'	0305446-07	SOIL	01/13/2003	01/13/2003
SS-3 2'	0305446-08	SOIL	01/13/2003	01/13/2003
SS-3 3.8'	0305446-09	SOIL	01/13/2003	01/13/2003

Surrogate recoveries on the 8015M are outside the control limits because they were diluted out. (0305446-02,03)

Surrogate recoveries on the 8021B BTEX are outside control limits due to matrix interference from coeluting compounds. (0305446-02)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By:

Environmental Lab of Texas I, Ltd.

Date: 01-16-03

ient name:	SITE MANAGER:	PARAMETERS/METH	OD NUMBER	CHAIN-OF-CUSTOD	Y RECORD
DYNEGY	CINLY Crain	р Кл.2 91 58		V arson &	
OLECINO: 5 -	Frusher Iname:	а і о 10 10 10 10 10		T SSOCIDTES, INC. Fax: 915 Environmental Consultants 911	-687-0456 -687-0901
	48. PO #	- 9/ 		507 N. Marienfeld, Ste. 202 • Mid	and, TX 79701
	Sample IDENTIFICATION	9 D 21 279 NWBEB C		LAB. I.D. REMAR NUMBER (I.E., FILTERED, UN II. AR LISE CONIXY	S Filitered, Reserved,
1.1.1.1.2.0 X X	10 ,1-0 1-55	i X X X			
1325 X X	55-1 21 02	XXX			
1335 X X	55-1 3.8° 03				
1340 XX	40 ,1-0 2-55	X X X			
1350 X X	55-2 2' 04				
	10 1-0 5-25				
XX X XX	58-3 3.8' 09	XXX			
	×				
2 Jev	+				
	10° 1				
20	and the grade of the second se				
	1:14				
			DATE.	DECENTED RY. (Simmati tra)	DATF.
AMPLED BY Signature)	DATE: 1-15-03 RELINGUISHEI) BY: (Signature)	TIME:		TIME:
(ELINQUISHED BY: (Signature)	DATE: 1-13-03 RECEIVED BY:	Signature)	DATE:	SAMPLE SHIPPED BY: (Circle)	
Mark Hur	TIME:		TIME:	EEDEX BUS AIRBILL	
COMMENTS:		TURNAROUNE	D TIME NEEDED	HAND DELIVERED UPS OTHER WHITE - RECEIVING LAB	
				YELLOW - RECEIVING LAB (TO BE RETURNE	0 TO
ECEIVING LABORATORY: <u> </u>	<u> こしてい (1) (1) (1) (1) (1) (1) (1) (1 </u>	Jewel Br. 19gnaturel B.	620 620	la Aflek keceipi) Pink – Project Manager Gold – Qa/QC Coordinator	
AMPLE CONDITION WHEN RECEIVED:		LA CONTACT PERSON:	(SAMPLE TYPE: ЧС2 ふくく ユ・Oピ	
		A ALL TO TO TO TO TO)	

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ANALYTICAL REPORT

Prepared for:

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

Project:Dynegy/Site #36PO#:G0306717

Report Date: 06/16/2003

<u>Certificates</u> 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#: G0306717 Project: Project Name: Dynegy/Site #36 Location: None Given

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, unless otherwise noted.

Sample .			Collected	Deceived	Container	Procorvativa
CC 1	sou		<u></u>	<u>6/12/02</u>	<u>Container</u>	
33-1	SOIL		9:05	8:10	4 OZ glass	100
b Testing:	Rejected:	No	Tem	p: 6.0 C		
8015M						
Chloride						
SS-2	SOIL		6/12/03	6/13/03	4 oz glass	Ice
h Tasting.	Rejected.	No	9:08 Tem	8:10		
<u>) Testing:</u>	Nejteitu.	110	1 Cm	p; 0.0 C		
8015M						
Chloride						
SS-3	SOIL		6/12/03	6/13/03	4 oz glass	Ice
			9:11	8:10		
<u>b Testing:</u>	Rejected:	No	Tem	p: 6.0 C		
8015M						
Chloride						
SS-4	SOIL		6/12/03	6/13/03	4 oz glass	Ice
			9:13	8:10		
<u>b Testing:</u>	Rejected:	NO	Tem	p: 6.0 C		
8015M						
Chloride						
SS-5	SOIL		6/12/03	6/13/03	4 oz glass	Ice
			9:16	8:10		
<u>b Testing:</u>	Rejected:	No	Tem	p: 6.0 C		
8015M						
Chloride	····					
SS-6	SOIL		6/12/03	6/13/03	4 oz glass	Ice
		N 1.	9:19	8:10		
<u>b Testing:</u>	Rejected:	NO	Tem	p: 6.0 C		
8015M						
Chloride						
SS-7	SOIL		6/12/03	6/13/03	4 oz glass	Ice
			9:21	8:10		
<u>b Testing:</u>	Rejected:	No	Tem	p: 6.0 C		
	b Testing: 8015M Chloride SS-2 b Testing: 8015M Chloride SS-3 b Testing: 8015M Chloride SS-4 b Testing: 8015M Chloride SS-5 b Testing: 8015M Chloride SS-5 b Testing: 8015M Chloride SS-6 b Testing: 8015M Chloride SS-6 b Testing: 8015M Chloride SS-7 b Testing:	b Testing: 8015M ChlorideRejected:SS-2SOILb Testing: 8015M 	b Testing: 8015M ChlorideRejected:NoSS-2SOILb Testing: 8015M ChlorideRejected:NoSS-3SOILb Testing: 8015M ChlorideRejected:NoSS-3SOILNob Testing: 8015M ChlorideRejected:NoSS-4SOILNob Testing: 8015M ChlorideRejected:NoSS-5SOILNob Testing: 8015M ChlorideRejected:NoSS-5SOILNob Testing: 8015M ChlorideRejected:NoSS-6SOILNob Testing: 8015M ChlorideRejected:NoSS-7SOILNob Testing: 8015M ChlorideRejected:NoSS-7SOILNo	9:05 9:05 b Testing: Rejected: No Tem 8015M Chloride 9:08 9:08 b Testing: Rejected: No Tem 8015M Chloride 9:08 9:08 b Testing: Rejected: No Tem 8015M Chloride 9:11 9:11 b Testing: Rejected: No Tem 8015M Chloride 9:13 9:13 b Testing: Rejected: No Tem 8015M Chloride 9:13 9:13 b Testing: Rejected: No Tem 8015M Chloride 9:16 9:16 SS-5 SOIL 6/12/03 9:16 b Testing: Rejected: No Tem 8015M Chloride 9:19 9:19 b Testing: Rejected: No Tem 8015M SS-6 SOIL 6/12/03 SS-7 SOIL	b Testing: 8015M Rejected: No Temp: 6.0 C 8015M SS-2 SOIL 6/12/03 6/13/03 b Testing: Rejected: No Temp: 6.0 C 8015M SS-2 SOIL 6/12/03 6/13/03 b Testing: Rejected: No Temp: 6.0 C 8015M Chloride SS-3 SOIL 6/12/03 6/13/03 b Testing: Rejected: No Temp: 6.0 C 8015M Chloride SS-3 SOIL 6/12/03 6/13/03 b Testing: Rejected: No Temp: 6.0 C 8015M Chloride SS-4 SOIL 6/12/03 6/13/03 ss-4 SOIL 6/12/03 6/13/03 8:10 b Testing: Rejected: No Temp: 6.0 C 8015M Chloride SS-5 SOIL 6/12/03 6/13/03 ss-6 SOIL 6/12/03 6/13/03 8:10	5 Testing: Rejected: No Temp: 6.0 C 8015M Chloride 5.2 SOIL 6/12/03 6/13/03 4 oz glass 9:08 8:10 9:08 8:10 8:10 9:08 8:10 5.2 SOIL 6/12/03 6/13/03 4 oz glass 9:08 8:10 6 Testing: Rejected: No Temp: 6.0 C 8015M Chloride SS-3 SOIL 6/12/03 6/13/03 4 oz glass 9:11 8:10 8:10 8:10 8:10 b Testing: Rejected: No Temp: 6.0 C 8015M SS-4 SOIL 6/12/03 6/13/03 4 oz glass 9:13 8:10 8:10 8:10 8:10 b Testing: Rejected: No Temp: 6.0 C 8015M SS-5 SOIL 6/12/03 6/13/03 4 oz glass 9:19 8:10 8:10 8:10 9:19 8:10 b Testing: Rejected: No Temp: 6.0 C 4 oz gla

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ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

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

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Project: Project Name: Dynegy/Site #36 Location: None Given

G0306717

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, unless otherwise noted.

Order#:

Lab ID:	<u>Sample :</u> 8015M Chloride	<u>Matrix:</u>	Date / Time <u>Collected</u>	Date / Time <u>Received</u>	Container	Preservative
0306717-08	SS-8	SOIL	6/12/03 9:22	6/13/03 8:10	4 oz glass	Ice
<u>La</u>	<u>ab Testing:</u> 8015M Chloride	Rejected: No	Ten	np: 6.0 C		

CINDY CRAIN LARSON AND ASSO P.O. BOX 50685 MIDLAND, TX 797	OCIATES, INC. 10			Order#: Project: Project Nam Location:	G030 e: Dyne None	6717 gy/Site #36 Given	
Lab ID: (0306717-01						
Sample ID:	SS-1						
				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	<u>Factor</u>	<u>Analyst</u>	Method
			6/13/03	1	1	WL	8015M
		Parameter		Resul	t	RL	
				mg/kg	g		
		GRO, C6-C12	_ ,	15.7		10.0	
		DRO, >C12-C35		124		10.0	
		TOTAL, C6-C35		140		10.0	
		Surrogat		% Recovered	OC Lim	its (%)	
		1-Chloroocta	 ne	116%	70	130	
		1-Chloroocta	decane	152%	70	130	
Lab ID: 0 Sample ID: 5	0306717-02 SS-2						
				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
			6/13/03	1	1	WL	8015M
		D		Resul	t	DI	
		Parameter		mg/kg	3	KL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		<10.0)	10.0	

Surrogates	% Recovered	QC Li	mits (%)
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	123%	70	130

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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CINDY CRAIN LARSON AND P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 5 . 79710			Order#: Project: Project Nam Location:	G0. e: Dy: No:	306717 negy/Site #36 ne Given	
Lab ID:	0306717-03						
Sample ID:	SS-3						
				8015M			
	Method	Date	Date	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	Amount	<u>Facto</u>	<u>r Analyst</u>	Method
			6/13/03	1	1	WL	8015M
		Parameter		Resul mg/kg	t	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
		Surroga	tes	% Recovered	QC Li	mits (%)	
		1-Chlorooct	ane	108%	70	130	
		1-Chlorooct	adecane	130%	70	130	
Lab ID: Sample ID:	0306717-04 SS-4						
				8015M			
	Method	Date	Date	Sample	Dilutio	n An lost	M - () - J
	Blank	repared	6/13/03	<u>Amount</u> 1	<u>racio</u> 1	r <u>Analyst</u> WL	8015M
		Parameter		Resul mg/kg	t s	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	

Surrogates	% Recovered	QC Limits (%)		
1-Chlorooctane	107%	70	130	
1-Chlorooctadecane	129%	70	130	

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TOTAL, C6-C35

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CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 5 79710			Order#: Project: Project Nam Location:	G03 e: Dyn Non	06717 egy/Site #36 e Given	
Lab ID: Sample ID:	0306717-05 SS-5						
				8015M			
	Method Blank	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	n <u>Analyst</u>	Method
			6/13/03	1	1	WL	8015M
		Parameter		Resu mg/kg	lt 3	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		<10.()	10.0	
		TOTAL, C6-C35		<10.0)	10.0	
		Surrogat	tes	% Recovered	QC Lir	nits (%)	
		1-Chloroocta	ine	105%	70	130	
		1-0110100012		12170	10	150	
Lab ID: Sample ID:	0306717-06 SS-6						
				8015M			
	Method	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	n Anglyst	Method
	Dialik	Tepared	6/13/03	1	1	WL	8015M
		Parameter		Resu mg/k	lt	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		<10.0)	10.0	
		TOTAL, C6-C35		<10.0)	10.0	

Surrogates	% Recovered	QC Limits (%)		
1-Chlorooctane	108%	70	130	
1-Chlorooctadecane	127%	70	130	

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CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710					G03(e: Dyn(Non(06717 egy/Site #36 e Given	
Lab ID:	0306717-07						
Sample ID:	SS-7						
				8015M			
	Method	Date	Date	Sample	Dilution	1 A Tour A	M-41-3
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	NIETROA 801534
			0/13/03	1	1	WL	801314
		Parameter		Resul mg/kg	t	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
		Surrogat	es	% Recovered	QC Lin	uits (%)	
		1-Chloroocta	ne	101%	70	130	
		1-Chloroocta	decane	112%	70	130	
Lab ID: Sample ID:	0306717-08 SS-8						
				8015M			
	Method Blank	Date <u>Prepared</u>	Date Analyzed	Sample <u>Amount</u>	Dilution Factor	ı <u>Analyst</u>	Method
			6/13/03	1	1	WL	8015M
		Parameter		Resul mg/kg	t	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		25.9		10.0	
		TOTAL, C6-C35		25.9		10.0	

Surrogates	% Recovered	QC Limits (%)		
1-Chlorooctane	113%	70	130	
1-Chlorooctadecane	133%	70	130	

6-16-03 X d. Approval: NO 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.

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710			Order# Project Project Locatio	#: t: t Name: on:	G0306717 Dynegy/Site None Given	#36		
Lab ID: Sample ID:	0306717-01 SS-1	<u></u>		<u> </u>			<u></u>	
Test Parar	meters			Dilutio	n		Date	
Parameter Chlorida		<u>Result</u>	<u>Units</u>	Facto:	r <u>RL</u>	Method 9253	Analyzed	<u>Analyst</u> SB
		~20.0	mg/kg			9255	0/15/05	
Lab ID: Sample ID:	0306717-02 SS-2							
Test Paran Parameter	neters	Result	Units	Dilutio <u>Facto</u>	n <u>r RL</u>	Method	Date Analyzed	Analyst
Chloride		<20.0	mg/kg	1	20	9253	6/13/03	SB
Lab ID:	0306717-03		· · · · · ·		<u> </u>			
Sample ID:	SS-3							
Test Parar	neters	Desult	Units	Dilutio	n r DI	Method	Date Analyzed	A nalvst
Chloride		<20.0	mg/kg	1	20	9253	6/13/03	SB
Lab ID: Sample ID:	0306717-04 SS-4							
Test Parar	meters			Dilutio	n		Date	
Parameter		<u>Result</u>	Units	Facto	<u>r RL</u>	<u>Method</u>	Analyzed	<u>Analyst</u>
Chloride		<20.0	mg/kg	1	20	9253	6/13/03	28
Lab ID: Sample ID:	0306717-05 SS-5							
Test Paran Parameter	meters	Result	Units	Dilutio <u>Facto</u>	n r <u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		<20.0	mg/kg	1	20	9253	6/13/03	SB
Lab ID: Sample ID:	0306717-06 SS-6							
<i>Test Parai</i> Parameter	meters	Result	Units	Dilutio Facto	n r RL	Method	Date Analyzed	Analyst
Chloride		<20.0	mg/kg	1	20	9253	6/13/03	SB
······						<u> </u>		

RL = Reporting Limit N/A = Not Applicable

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Page 1 of 2

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CINDY CRAIN LARSON AND P.O. BOX 5068 MIDLAND, TY	V ASSOCIATES, INC. 35 X 79710		Order# Project Project Locatio	: G Name: D on: No	0306717 ynegy/Site one Given	136		
Lab ID: Sample ID:	0306717-07 SS-7							
Test Paran Parameter	neters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		<20.0	mg/kg	1	20	9253	6/13/03	SB
Lab ID: Sample ID:	0306717-08 SS-8							
Test Paran Parameter Chloride	neters	<u>Result</u> <20.0	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 6/13/03	<u>Analyst</u> SB

Ralan 2K Jul 6.16.03 Approval: 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.

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0306717

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr,	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005818-02	<u> </u>		<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005818-03		952	1053	110.6%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005818-04		952	1028	108.%	2.4%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005818-05		1000	1225	122.5%	

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

Test Parameters

Order#: G0306717

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005817-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306716-01	0	500	496	99.2%	n
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	· · · · · · · · · · · · · · · · · · ·	0306716-01	0	500	514	102.8%	3.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005817-04		5000	4960	99.2%	. <u> </u>

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CASE NARRATIVE ENVIRONMENTAL LAB OF TEXAS

Prepared for:

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

Order#: G0306717

Dynegy/Site #36 **Project:**

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SS-1	0306717-01	SOIL	06/12/2003	06/13/2003
SS-2	0306717-02	SOIL	06/12/2003	06/13/2003
SS-3	0306717-03	SOIL	06/12/2003	06/13/2003
SS-4	0306717-04	SOIL	06/12/2003	06/13/2003
SS-5	0306717-05	SOIL	06/12/2003	06/13/2003
SS-6	0306717-06	SOIL	06/12/2003	06/13/2003
SS-7	0306717-07	SOIL	06/12/2003	06/13/2003
SS-8	0306717-08	SOIL	06/12/2003	06/13/2003

Surrogate recoveries on 8015M TPH are outside control limits due to matrix interference (G0306717-01, 08)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Date: (0-16-03

Approved By: Ralandk Jul Environmental Lab of Texas I, Ltd.

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CLIEN	T NAME:				SITE MANAGER:		PARAMETERS/MI	ETHOD NUMBER	CHAINC	F
4	Dureas				Circly Crain	S				
PROJ	ECT NO.:				PROJECT NAME:	aniatni 29301atni	7: M 510			S, INC. Fax: 915-687-0456 Consultants 915-687-0901
PAGE	/ 0	\		LAB	. PO #		71.20 NS		507 N. Marient	eld, Ste. 202 • Midland, TX 79701
IIV0	JWI	MATER .	1105	0144	Sample Identification	NUMBER (19D HL		LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS II.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITEI
0/4	63 0905		<i>L</i>		55-1		7 7			
=	0908]		55-3	-	7 7			
=	1160		7		55-3	-	7 7			
11	0913		7		55-4	-	<u>}</u>			
=	2160		7		55~ <i>5</i>	~	<i>)</i> <i>)</i>			
11	0919		7		55-6	-	7 /		4	
	09.21		7		55.7	-	7 7		, /	
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SAM	PLED BY: (Si	gnatur	1		Date 4/2/03 Relinquish. Time: 0930	∠ ^{ED BY:}	(Signature)	DATE:	RECEIVED BY: (Signatu	re) DATE: TIME:
RELIN	DUNSHED B		Jature)		DATE WAS REPORTED BY		atur¢)	DATE. 0/13/03	SAMPLE SHIPPED BY: ((Circle)
					TIME: 0805 M MM	W N	Jose Lange	TIME: 0810	FEDEX	BUS AIRBILL #:
	APAINTS A	1	1				TURNARO	UND TIME NEEDED	HAND DELIVERED	UPS OTHER:
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RECE	IVING LABO	RATOR	 			RECEIV	ED BY: (Signature)		LA AFTER F DINK DP/01ECT A	RECEIPT) MANAGER
	TACT.					DATE:	TIME			JORDINATOR
SAMP	LE CONDITION	WHEN RE	ECEIVED:			LA C	ONTACT PERSON:		SAMPLE TYPE:	Here a

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APPENDIX B

PHOTOGRAPHS

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DYNEGY MIDSTREAM SERVICES, L.P. SITE #36, NW/4, SW/4, SEC. 21, T19S, R37E, LEA CO., NM PHOTOGRAPHS



2. View to southwest of final excavation (6/12/03).