REMEDIATION WORK PLAN



April 5, 2004

Mr. Ed Martin NM Energy, Minerals, and Natural Resources Department New Mexico Oil Conservation Division – Environmental Bureau 1220 South St. Francis Drive Santa Fe, NM 87505

Subject: Preliminary 2003 Ground water monitoring summary

Re: Link Energy Lamunyon Sump #2000-10409 UL-A Section 28 T23S R37E Lea County New Mexico

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, Link Energy, submits for your consideration this *Preliminary 2003 Ground Water Monitoring Report* for the Link Energy Lamunyon Sump #2000-10409. The information included in this submittal provides water levels, an analytical results summary, and an annotated map of the site.

If there are any questions or comments please call Mr. Ben Miller or myself at EPI's offices, or at 505-390-2088 or 505-390-9804 respectively. Mr. Hernandez may be contacted through Link's Midland office at 915-638-3799 or 505-631-3095.

All official correspondence should be addressed to:

Mr. Frank Hernandez Link Energy P.O. Box 1660 5805 East Highway 80 Midland, Texas 79703

Sincerely,

Mallang

Pat McCasland EPI Technical Manager

cc: Larry W. Johnson, NMOCD – Hobbs District Office Frank Hernandez, Link Energy Jeff Dann, Link Energy (Houston) Sherry Miller, EPI President Ben Miller, EPI Vice President and General Manager





Lamunyon Sump #2000-10409

				Lin	k Energy					
				Lamunyon S	ump #2000-1040	9				
			Wat	er Level and	Analytical Inform	ation				
W/all #	Data	Water Level	Total Depth	Benzene	Ethylbenzene	m,p-Xylenes	o-Xylene	Toluene	Chloride	TDS
wen#	Date	'bιος	'btoc	μg/L	µg/L	μg/L	μg/L	μg/L	mg/L	mg/L
MW1	4/3/2002	93.40	99.70	<1	<1	<1	<1	<1	na	na
MW1	7/9/2002	93.37	98.95	<l< td=""><td><1</td><td><1</td><td><1</td><td><1</td><td>105</td><td>731</td></l<>	<1	<1	<1	<1	105	731
MW1	10/5/2002	93.40	98.90	<1	<1	<1	<1	<1	па	па
MW1	12/12/2002	93.40	98.40	<1	<1	<1	<1	<1	na	na
MW1	2/17/2003	93.41	98.40	<1	<1	<1	<1	<1	na	na
MW1	4/2/2003	94.43	98.25	<1	<1	<1	<1	<1	па	na
MW1	7/25/2003	93.49	98.10	<l< td=""><td><1</td><td><1</td><td><1</td><td><1</td><td>па</td><td>na</td></l<>	<1	<1	<1	<1	па	na
MW1	10/1/2003	93.50	98.20	<1	<1	<1	<1	<1	na	na
'btoc - feet be	low top of casing									
µg/L - microg	rams per Liter									
TDS - Total	Dissolved Solids									



NEW MEXICO ENERGY, MICERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

July 2, 2004

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

Mr. Jimmy Bryant Link Energy P.O. Box 1660 Midland, TX 79703

Dear Mr. Bryant:

The New Mexico Oil Conservation Division has received Link's "Annual Monitoring Report Link Energy Lamunyon Sump #2000-10409", dated May 3, 2004.

In that document, Link Energy has recommended the following:

- 1. The groundwater monitoring well should be sealed.
- 2. The groundwater investigation at this site should be terminated.
- 3. A remediation plan should be developed to address the impacted soils identified during site delineation activities.

These recommendations are approved, with the following conditions:

- 1. The sump in question is to be removed and repaired before being placed back in service. If the sump is not currently in service, it is to be removed.
- 2. The monitor well hole is to be filled to the surface with cement, containing 3% to 5% bentonite.

Please proceed in the preparation of a remediation plan for the soils and forward to this office as soon as possible but no later than September 30, 2004.

This OCD approval does not relieve Link of any future liability should its operations at this site prove to have been detrimental to groundwater or the environment. Nor does it relieve Link of its responsibility to comply with the rules and regulations of any other governmental agency.

NEW MEXICO OIL CONSERVATION DIVISION

Marto

Edwin E. Martin, Environmental Bureau

Cc: Larry W. Johnson, NMOCD, Hobbs Iain Olness, EPI Jeff Dann, Link Energy, Houston



03 May 2004

Mr. Ed Martin NM Energy, Minerals, and Natural Resources Department New Mexico Oil Conservation Division – Environmental Bureau 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Annual Monitoring Report Link Energy Lamunyon Sump #2000-10409 UL-P Section 7 T25S R36E, Lea County, New Mexico Landowner: D. K. Boyd

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Jimmy Bryant, Link Energy, submits for your consideration this *Annual Monitoring Report* for the above-referenced site. Based on data collected during the past year, Link Energy recommends that the groundwater monitoring well be sealed and the groundwater investigation at this site be terminated. In addition, Link Energy is recommending that a remediation plan be developed to address the impacted soils identified during site delineation activities.

Should you have any questions or comments please call Mr. Ben Miller or myself at EPI's offices, or at 505-390-2088 or 505-390-7306 respectively. Mr. Bryant may be contacted through Link's Midland office at 915-638-3799.

All official correspondence should be addressed to:

Mr. Jimmy Bryant Link Energy P.O. Box 1660 5805 East Highway 80 Midland, Texas 79703

Sincerely,

ENVIRONMENTAL PLUS, INC.

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Iain Olness, P.G. Hydrogeologist

cc: Larry W. Johnson, NMOCD – Hobbs District Office Frank Hernandez, Link Energy – Midland Jeff Dann, Link Energy – Houston Sherry Miller, EPI President Ben Miller, EPI Vice President and General Manager



ANNUAL MONITORING REPORT

LAMUNYON SUMP LINK REF: 2000-10409

NE¹/₄ OF THE NE¹/₄ OF SECTION 28, TOWNSHIP 23 SOUTH, RANGE 37 EAST LEA COUNTY, NEW MEXICO

~11.15 MILES NORTH-NORTHEAST (359°) OF JAL, LEA COUNTY, NEW MEXICO LATITUDE: N32° 16' 49.1" LONGITUDE: W103° 09' 49.5"

APRIL 30, 2004

PREPARED BY:



TABLE OF CONTENTS

I.	Background	.1
II.	Field Activities	.1
III.	Groundwater Elevation and PSH Thickness	.1
IV.	PSH Recovery	2
V.	Groundwater Sampling	2
VI.	Groundwater Analytical Results	.2
VII.	Recommendations	.2

FIGURES

Figure 1	Area Map
Figure 2	Site Location Map
Figure 3	Site Map
Figure 4	TPH and BTEX Concentrations in Groundwater Monitoring Well MW-1 from 12/28/01 through 10/01/03, Link Lamunyon Sump, Lea County, New Mexico.
Figure 5	Hydrograph for Groundwater Monitoring Well MW-1, Link Energy Lamunyon Sump, Lea County, New Mexico, from 04/02/03 through 10/01/03.

<u>TABLES</u>

Table 1Relative Groundwater Elevations and Phase Separated Hydrocarbon ThicknessesTable 2Summary of Groundwater Analytical Results

<u>APPENDIX</u>

Appendix A Groundwater Laboratory Analytical Results and Chain-of-Custody Forms

I. Background

The "Lamunyon Sump" (2000-10409) release site is located approximately 11 miles northnortheast of Jal in Lea County, New Mexico, at an elevation of approximately 3,285 feet above mean sea level (reference Figures 1 and 2). The site is located in the northeast quarter of the northeast quarter of section 28, range 37 east, township 23 south. There are no residences or surface water bodies within a 1,000-foot radius of the leak site. The release has been attributed to overflows of the sump. The spills flowed westerly into a surface depression adjacent to the sump (reference Figure 3) and over time migrated downward. The estimated spill volumes are unknown.

Initial investigative activities, completed between May 16 and 19, 2000, consisted of advancing 9 push probe borings to depths ranging from 15 to 50 feet below ground surface (BGS). During the advancement of the soil borings, samples were collected at five foot intervals. The samples were split with a portion being immediately placed in laboratory provided containers and placed on ice in a cooler for later transport to an independent laboratory. The remainder of the sample was placed in a zip lock bag for field analysis of organic vapors utilizing an Ultra Rae photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The investigation delineated subsurface contamination present above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds (*Site Characterization Project* dated July 31, 2000).

On August 25, 2000, a soil boring was advanced to groundwater and completed as groundwater monitoring well MW-1. This groundwater monitoring well was completed to determine if area groundwater had been impacted due to the spills associated with the sump. The initial sample collected on December 28, 2001, was submitted for quantification of total petroleum hydrocarbons as gasoline (TPH-Gasoline), total petroleum hydrocarbons as diesel (TPH-Diesel), benzene, toluene, ethylbenzene and total xylenes (BTEX), metals, poly-aromatic hydrocarbons (PAH) and general chemistry. Analytical results for this sample were below the New Mexico Water Quality Control Commission (NMWQCC) standards for all analytes. The groundwater monitoring well was then sampled on a quarterly basis and the samples submitted for quantification of BTEX. Analytical results for the samples were all below the laboratory reporting limits for BTEX constituents for all sampling events.

II. Field Activities

The groundwater monitoring well was sampled on February 17, April 2, July 25 and October 1, 2003. The samples were submitted to an independent laboratory for the quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX).

III. Groundwater Elevation and PSH Thickness

The groundwater monitoring well was gauged prior to bailing to determine the depth to groundwater and the thickness of any PSH. Measurements of groundwater levels during this phase of the investigation indicate that water levels have increased slightly. PSH have not been detected in the groundwater monitoring well since it was installed. A summary of groundwater elevations is included in Table 1.

IV. PSH Recovery

PSH have not been detected in the groundwater monitoring well since it was installed.

V. Groundwater Sampling

The groundwater monitoring well was sampled on February 17, April 2, July 25 and October 1, 2003. The samples were submitted to an independent laboratory for the quantification BTEX via EPA Method 8260b. The well was purged a minimum of three well volumes or dry and samples collected utilizing dedicated or disposable sample bailers. Samples were then placed on ice and shipped to an independent laboratory under chain-of-custody for analyses.

VI. Groundwater Analytical Results

Analytical results for the groundwater samples collected on February 17, April 2, July 25 and October 1, 2003, were below the laboratory method detection limits (MDL) for BTEX.

A summary of groundwater analytical results is included as Table 2 and copies of the analytical results for samples collected on February 17, April 2, July 25 and October 1, 2003, are included as Appendix A.

VII. Recommendations

Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the initial investigation, the following recommendations are made:

- Due to the fact that no contaminants have been detected in the on-site groundwater monitoring well since it was installed, it is recommended that the groundwater monitoring well be sealed and the groundwater investigation at this site be terminated. Link Energy requests that the NMOCD issue a "No Further Action" letter regarding the groundwater conditions at the site based on the groundwater monitoring results.
- 2) It is recommended that a remedial action plan be developed to address the impacted soils identified during site delineation activities.

FIGURES











TABLES

TABLE 1

RELATIVE GROUNDWATER ELEVATIONS AND PHASE SEPARATED HYDROCARBON THICKNESSES

Lamunyon Sump - Ref #2000-10409

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)
MW-1	30-Apr-02	3,285		93.40	3,191.60	
	9-Jul-02			93.37	3,191.63	
	5-Oct-02			93.40	3,191.60	
	12-Dec-02			93.40	3,191.60	
	17-Feb-03			93.41	3,191.59	
	2-Apr-03			93.43	3,191.57	
	25-Jul-03			93.49	3,191.51	
	1-Oct-03			93.50	3,191.50	

* = Top of casing elevation set from USGS Topographical map

** Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness)

-- = Not detected

If cell is blank, the well was not gauged

2
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Summary of Groundwater Analytical Results

Lamunyon Sump - Ref #2000-10409

Monitor Well Location	Date	Benzene	Tolucne	Ethyl- benzene	m.p- Xylenes	o-Xylene	Total Xylenes	Chloride	Total Dissolved Solids	TPH as Gasoline	TPH as Diesel	Total TPH
		(Jrg/L)	(Jug/L)	(Jug/L)	(Jug/L.)	(hg/L)	(Jug/L.)	(mg/l-)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
I-WM	28-Dec-01	V	<1	1>	1>	-I>	\$	120	762	\$	Ø	9
	3-Apr-02	Ī	Þ	ا >	l>	l≻	\$					
	12-Jul-02	1>	1>	>	<1	<1	\$	105	731			
	5-Oct-02	I>	ا>	٩	l⊳	<1	Ģ					
	12-Dec-02	⊽	₽	₽	12	₽	Ş					
	17-Feb-03	Þ	V	1>	1>	1>	\$					
	2-Apr-03	V	l>	<1	1>	l>	\$					
	25-Jul-03	>	<i></i>	<1>	<۱>	<1	\$					
	1-Oct-03	Þ	1⊽		₽	<1	\$					
NMOCD Reme	dial Thresholds	10	750	750			620	250	1,000			

Bolded values are in excess of the NMOCD Remediation Thresholds or Other Standards for Domestic Water Supply. If cell is blank, that parameter was not analyzed

APPENDICES

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APPENDIX A

GROUNDWATER ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

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Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab ID Project ID: 200)#: 139659 0 - 10409	Repor	rt Date: 0	12/24/03	
Address: 2100 Ave. O Eunice	NM 88231					Sample Name: Sample Matrix:	WEL21703MW water				
Phone: (505) 394-3481 FAX: (505)) 394-2601					Date Received: Date Sampled:	02/20/2003 02/17/2003	Time: Time:	10:30 08:00		
REPORT OF ANALYSIS							QUALITY	ASSURA	ANCE DA	VTA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	1		i		02/21/03	8260b	ł	1	1	1	1
Benzene	1>	hg/L	-	₽	02/21/03	8260b		11.3	80.5	98.8	83.9
Ethylbenzene	7	hg/L		7	02/21/03	8260b	I	0.7	118.6	119.1	127.1
m.p-Xylenes	⊽	hg/L	1	v	02/21/03	8260b	ł	1.1	116.6	117	125.6
o-Xylene		µg/L	-	₩	02/21/03	8260b	ļ	0.7	120.1	115.8	128.5
Toluene	<1	µg/L	1	<1>	02/21/03	8260b	•••	11.8	103.1	105	105.8
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assuranc Copyright 2000. AnalySys, Inc., Austin, TX. All rigl publication may be reproduced or transmitted in any fi express written consent of AnalySys, Inc. Rd	alySys, inc. The c lowledge, the anal owledge, the anal se/Quality Control phis reserved. No orm or by any me orm or by any me cespectfully Sut kespectfully Sut Richard Laste	inclosed results yrical results Part of this part of this ans without the omitted,	1. Qua of the r recover express (RQL) typical dilution associa recover than ad	iry assurance d relative percent (red from a spike sed as the percei- by denote USEP ns. 7. Data Qu ns. 7. Data Qu ns. exceeds advi- visory limit. M	ata is for the sa (%) difference 1 d sample. 4 above the Prace above the Prace A procedures. alifiers are J = bk(s). S1 = MS ony limit. S3 = Matrix interl	mple batch which includ wetween duplicate measu I. Calibration Verification of analyte from a known trical Quantitation Limit Less than ("<") values re analyte potentially presen and/or MSD recovery ex MS and/or MSD and PD erence.	ied this sample. cements. 3. Reconcenters. 1. Reconcenters. In (CCV) and Labb of standard or man (PQL) of the anal flect nominal quant of between the PC ceced advisory fin S recoveries exce	2. Precision wery (Reco pratory Con ix. 5. Rep ix. 5. Rep ix. 5. Rep its. 12. Rep its. S2 =PC ed advisory	a (PREC) is the per- v.) is the per- trol Sample opting Quan- trol 6 . Met uits adjusted 1 MDL. $B = A_1$ MDL. $B = A_1$	the absolut the absolut (LCR) (%) of titation Lin hod numbe for any requ adyte dete spike (PDS Precision hi	c value analyte Its are uits rs nired inred pher

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3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2000 - 10409	Report#/Lab 1D#: 139659
Attn:	Pat McCasland	Sample Name: WEL21703MW	Sample Matrix: water
D C D C D	T OF SHEPOCATE DECOVEDV		

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	011	80-120	
Toluene-d8	8260b	105	88-110	i
		-		

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ALC: NY ARRAY

							351 220 (51)	2 Montopolis 9 N. Padre sis 2) 385-5886	Drive, Au and Dr., C FAX	ustin, TX Corpus Ch K (512) 38	78744 & iristl, TX 35-7411	78468
Client: E Attn: P Address: 2	ënvironmental Plus, Inc. 'at McCasland 100 Ave. O						Report#/Lab II Project ID: 200 Sample Name:	D#: 141072 00-10409 WEL4203MW	Repor	rt Date: 0	4/09/03	
ш —	iunice	NM 88231					Sample Matrix	: water	Ē	10.1 S		
Phone: (;	505) 394-3481 FAX: (505)	394-2601					Date Sampled:	04/02/2003	Time:	61:01 11:00		
REPORT C	DE ANALYSIS							Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο	ASSURA	NNCE DA	$\overline{\mathbf{TA}}^{1}$	
Parameter		Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile orga	nics-8260b/BTEX	1		ł		04/07/03	8260b	:	1	1	1	1
Benzene		17	hg/L	_	~	04/07/03	8260b		0.8	66	91.1	87.7
Ethylbenzen	2	~	µg/L	_	~	04/07/03	8260b	ł	2.9	103.6	107	101.8
m,p-Xylenes	8	7	hg/L		V	04/07/03	8260b	1	2.9	109	113.4	105.2
o-Xylene		v	µg/L		₹	04/07/03	8260b	1	3.2	109.6	114.1	105.5
Toluene		<ا	µg/L	1	<]	04/07/03	8260b	:	5	96.6	98.3	93.2
This analytica have been carr are consistent Copyright 200 publication ms express writter	I report is respectfully submitted by Anal- fully reviewed and, to the best of my kno with AnalySys, Inc.'s Quality Assurance 00. AnalySys, Inc Austin, TX. All right ay be reproduced or transmitted in any fot at consent of AnalySys, Inc. Re. Re.	ySys, Inc. The e wiedge, the anali Muality Control is reserved. No m or by any me spectfully Sut spectfully Sut Richard Laste	nclosed results briggam. © Program. © part of this ans without the mitted,	1. Quali of the re recoverre expresse (RQL). typically dilutions associat recovery than adv	ty assurance da lative percent (d from a spike d as the percent rypically at or denote USEP, a. 7. Data Quu ed method blam exceeds advis risory limit. M	(ta is for the sa (a) difference d sample. d sample. (v) recovery above the Prad A procedures. difficts are J = k(s). S1 = MS sry limit. S3 = Matrix interf	mple batch which includ between duplicate measu I. Calibration Verificatio of analyte from a know stical Quantitation Limit Less than ("<") values re Less than ("<") values re analyte potentially prese and/or MSD recovery ei and/or MSD and PL erence.	ded this sample. terments. 3. Reco to (CCV) and Labb n standard or mar (PQL) of the anal effect nominal quar effect nominal quar the tween the PQ coeed advisory lim X recoveries exce	2. Precision very (Reco many Con many Con trix. 5. Rep trix. 5. Rep trix. 5. Rep trix. 5. Rep trix. 5. Rep trix. 2. and the N triation lim triation	a (PREC) is 1 v.) is the per- trol Sample conting Quan outing Quan odd. 6. Met uits adjusted 1 MDL. $B = A_1$ MDL. $B = A_1$ in the second of timits. $P = f$	the absolution cent (%) of (LCS) resu titation Lin hod numbe for any requ for any requ analyte detect spike (PDS) Precision hi	s value analyte lts are uits bits gher gher

h Lane. Suite 190. Austin. TX 78744 (512) 444-5896 Balyses Requested (1) Much explanatory information as required	Comments						vill be reported to ASI's normal reporting • ASI will default to Priority Pollutants c	T=4.5°C	by Pres	Uate Time 4/4/03 /0/5	Inc.'s standard terms. I
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Eunice	NM 88231					Sample Matrix:	water	:			
						Date Received:	08/01/2003	Time:	10:50		
Phone: (505) 394-3481 FAX: (505	394-2601					Date Sampled:	07/25/2003	Time:	00:60		
REPORT OF ANALYSIS							QUALITY /	NSSURA	NCE DA	VTA ¹]
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	08/06/03	8015 mod.	1	5.5	83.8	75.4	78.8
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TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	08/06/03	8015 mod.	1	4.5	101.1	93.2	97.1
Volatile organics-8260b/BTEX			1		08/06/03	8260b	1	;	1	1	ł
Benzene	⊽	hg/L	-	l≻	08/06/03	8260b	ł	8.5	8.66	88.1	97
Ethylbenzene	⊽	hg/L	-	ī	08/06/03	8260b	1	6.3	108.5	111.3	113.2
m,p-Xylenes	⊽	hg/L		₹	08/06/03	8260b	1	6.6	106.9	107.7	111.2
o-Xylene	⊽	Hg/L	-	v	08/06/03	8260b	1	6.5	109.3	110.5	114.1
loluene	⊽	µg/L	1	7	08/06/03	8260b	•	7.6	105	89.1	103.5
This analytical report is respectfully submitted by An have been carefully reviewed and, to the best of my kr are consistent with AnalySys. Inc.'s Quality Assurant Copyright 2000, AnalySys. Inc., Austin, TX. All rig publication may be reproduced or transmitted in any f express written consent of AnalySys, Inc. R	alySys. Inc. The end owledge, the anal owledge, the anal ints reserved. No ints reserved. No introver by any me cespectfully Sul espectfully Sul Richard Laste	inclosed result Program © Part of this ans without th omitted,	a I. Qua of the r recover express (RQL) dilution associa associa than ad	lity assurance d elative percent (red from a spike sed as the percet by denote USEP us. 7. Data Qu us. Tata Qu ted method blaz visory limit. M Nisory limit. M	ata is for the sa ata is for the sa d sample. 4 at (%) recovery at (%) recovery at (%) recovery at (%) sa http://www.sample. at (%) sa = MS sory limit. S3 = Matrix interf	mple batch which includ between duplicate measur t. Calibration Verification of analyte from a knowr citcal Quantitation Limit Less than ("<") values ret analyte potentially preser and/or MSD recovery est and/or MSD and PD erence.	ed this sample. ed this sample. a (CCV) and Labc a standard or matr is standard or matr flect nominal quan flect nominal quan the tween the PQ et devisory lim S recoveries exce	2. Precision very (Recov ratory Con ratory C	(PREC) is (PREC) is trol Sample orting Quan orting Qu	the absolut the absolut (%) of (LCS) resu that numb for any req for any red precision h Precision h	e value analyte lts are uits bi gher

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3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2000-10409	Report#/Lab ID#: 145628
Attn:	Pat McCasland	Sample Name: WELS72503MW	Sample Matrix: water
a va sa	T OF SHEPOCATE DECOVEDV		

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
-Chlorooctane	8015 mod.	76.5	50-150	1
-Terphenyl	8015 mod.	82	50-150	
.2-Dichloroethane-d4	8260b	102	80-120	
Coluene-d8	8260b	109	88-110	ł

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ich Lane. Suite 190, Austin, TX. 7874. (512) 444-5896 (512) attaches Requested (1) attach explanatory information as required	Comments						will be reported to ASI's normal reportin, by, ASI will default to Priority Poltutants (By	Date Time	8/1/a3 10250	s, Inc.'s standard terms.]
Copy 4221 Freidt							d using ASI's method of choice and all data f-custody or attached to this chain-of-custor	Sample Received	Amilation	mphrey ASI	ent by buyer/sampler to AnalySy
differ 1): Name Eert Eur SECS Herry St State T State T	Water Waste (Lab only)	X 145628		 			tion, all analyses will be conducted lists are specified on this chain-of		ime Name	hpelomi de	csting constitutes agreeme
Bill to (if Bill to (if Address SS23/ City <u>(//)</u> ATTN: ATTN: ATTN: b mgr.): b mgr.):	Time No. of Sampled Containers Solt	9:00 2				~	ustody and/or attached documenta nless specific analytical parameter be supplied for all GC procedures	shed By	Date T	1.25.2	lySys, Inc. for analytical t
o: Exercation Tag Ave O State L/M Zip U Castar D Star Sec. 39 Star back of the la Mt: 200-10409	ple No. Date atification Sampled	EP3UW 7-25.03					ested otherwise on this Chain-of-c CMS volatites and extractables, u ion. Specific compound fists must	Sample Relinqui	AMliation	ENUMANENDI P	described samples to Ana
Send Repor Company Name Address 2,00 City 5,20,1,4 ATTN: 2,7 Phone 5, 39% Rush Status (mu Project Name/PC	Client Sam Description/Ide	UVE 15 72					(1)Unless specifically requiring the specifically required the second state of the sec		Name	End de	[Tendering of above

						3513 2205 (512	2 Montopolis N. Padre Isli 385-5886	Drive, Au ind Dr., (• FAX	sstin, TX Corpus Ch ((512) 3(78744 & iristi, TX 85-7411	78408
Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab ID Project ID: 200	#: 147966 0-10409	Repoi	t Date: 1	0/13/03	
Address: 2100 Ave. O Funice	NM 88231					Sample Name: \ Sample Matrix:	VELS10103M water	W1			
						Date Received:	10/09/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)) 394-2601					Date Sampled:	10/01/2003	Time:	08:30		
REPORT OF ANALYSIS]					OUALITY	ASSURA	NCE DA	<u>TA</u> I	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	1				10/10/03	8260b(5030/5035)		1		1	1
Benzene	~	μg/L			10/10/03	8260b	1	3.4	85.7	88.1	86.3
Ethylbenzene	7	hg/L		⊽	10/10/03	8260b	i	0.7	103.2	107.1	107.8
m,p-Xylenes	7	hg/L		⊽	10/10/03	8260b	-	0.6	104.5	109.6	109.8
o-Xylene	7	µg/L	-	v	10/10/03	8260b	1	1.2	109.7	115.1	114.6
Toluene	7	hg/L	-	⊽	10/10/03	8260b		2.5	91.2	97.4	93.5
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys. Inc.'s Quality Assuranc Copyright 2000. AnalySys, Inc., Austin, TX. All rig publication may be reproduced or transmitted in any \hat{n}_{R} express written consent of AnalySys, Inc. \hat{R}_{A}	uysys, Inc. The e owledge, the anal eQuality Control ins reserved. No om or by any me cspectfully Sut espectfully Sut Richard Laster Richard Laster	inclosed results writed results Program © part of this ans without the writted,	1. Qual of the r recover express (RQL), typicall typicall associal recover than ad	ity assurance du elative percent (ed from a spike ed as the percent typically at or typically at or typically at or ty denote USEP is. 7. Data Qu ied method blan ted method blan visory limit. M	val is for the static static static static static static sumptification of a sample. It (%) recover, above the Pratication of the static stati	mple batch which includ between duplicate measur between duplicate measur 4. Calibration Verification 7. of analyte from a known ctical Quantitation Limit. Less than ("<") values rel analyte potentially presen and/or MSD recovery ex and/or MSD and PD ference.	ed this sample. entents. 3. Reconcenters. 3. Reconcenters. 1. Reconcenter a (CCU) and Labb a (CCU) and Labb a (PQL) of the anal flect nominal quartilet flect nominal quartile	2. Precision very (Reco transforce) variatory Com variatory Com variatory Com vitation lim initation lim initation lim initation lim the A davisory	i (PREC) is v.) is the per- trol Sample for the Jample orting Quan od. 6. Met diff. $B = A_1$ diff. $B = A_1$ limits. $P = 1$	the absolut cent (%) of (LCS) resu (LCS) resu titation Lin hod numbe for any requ alyte detec spike (PDS Precision hi	e value analyte analyte inits arrs tred inited inited inited inited inited inited inited inited inited inited inited inited inited inited inited inited inite i i i i i i i i i i i i i i i i i i

Lane, Suite 190, Austin, TX 787 (512) 444-5896 alyses Requested (1) ch explanatory information as requir	Comments					be reported to ASR's normal reportir. ASI will default to Priority Pollutants	1 T=4.2°C	Date Time	0/9/03 10:30
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Send Reports T Company Name Company Name Address 2/02 City <u>Fund</u> ce ATTN: <u>25</u> Phone <u>555.</u> 33 Rush Status (mu Project Name/PC	Client Sam Description/Ide	20101513(1)			109258	Dilution appetition of the Asia optimate Asia optimate Asia HSL list at ASia optimate Asia optimate Asia optimate Asia optimate Asia optimate Asia optimate Asia Asia Asia Asia Asia Asia Asia Asia	T0:	Name	Tendering of above

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EOTT ENERGY Pipeline Limited Partnership

P.O. BOX 1660 5805 E. BUSINESS 20 MIDLAND, TEXAS 79702 (915) 687-2040

June 28, 2000

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ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

Mr. William C. Olson Environmental Bureau New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, NM. 87505

Re: Soil Remediation Work Plan LeMunyon Sump Site

Dear Mr. Olson:

EOTT Energy Pipeline (EOTT) wishes to provide notification to NMOCD of an ongoing subsurface investigation associated with the LeMunyon Sump Site.

Background

The LeMunyon Sump is located in Lea County approximately two miles east of Highway 18 between Eunice and Jal, New Mexico in Section 28, Township 23S, Range 37E. EOTT currently operates a pumping station with an in-ground sump used to collect incidental losses of oil. The sump is approximately nine feet deep and two feet in diameter. During periods of rainfall over several years, water has entered the sump and carried hydrocarbons out of the sump onto the surrounding soil. As a result, an area of soil covering approximately 225 square feet has been stained. EOTT plans to excavate the sump to perform maintenance.

An initial site investigation was performed at the referenced site in May 2000 in anticipation of these maintenance activities. This investigation consisted of 9 geoprobe borings advanced to determine the lateral and vertical extent of contamination and volume of hydrocarbon-impacted soil. Data collected from this initial phase indicated that subsurface contamination is present and that further delineation will be required. Based on a preliminary field survey of potential receptors in the vicinity, EOTT believes that the stained soil area is not posing any immediate threat. The Subsurface Investigation Report, which describes this initial investigation, is currently being prepared by Environmental Plus, Inc., and will include appropriate site ranking and future site activity information to address potential human health and environmental concerns, as required by NMOCD regulations.



June 29, 2000 Page 2

As required by NMOCD, 1993, soil samples from the investigation were analyzed for total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) and for benzene, toluene, ethylbenzene, and xylenes (BTEX). These data will be submitted to NMOCD once the additional delineation is completed.

Upon conclusion of the final site investigation activities, a report will be submitted to the NMOCD. If you have any questions on the information presented in this letter, please contact me at 915 684 3453. EOTT appreciates your assistance in resolving this issue.

Sincorely,

Glenn Waldrop Director, Operations