1R-385

GENERAL CORRESPONDENCE

YEAR(S):

1R-385

TABLE 5 Summary of Soil Analytical Results

Vacuum 10-Inch to Jal - Ref #2002-10248

WE W-2	WEW-I	WE S-3	WES-2	WES-I	EE SXP 10	EE SXP - 9	EE SXP 9	EE SXP 8	EE SXP 7 - B	EE SXP7	EE SXP 6 - B	EE SXP 6	EE SXP 5	EE SXP 4	EE Wall SXP 3	EE Bottom SXP 3	EE Wall SXP 2	EE Bottom SXP 2	EE Wall SXP1	EE Bottom SXP 1- B	EE Bottom SXP 1	SLEV1022504W-SESW	SLEV1022504W-SWSW	SLEV1022504E-NESW	SLEV1022504E-NBH	SLEV1022504E-WSW	SLEV1022504E-SBH	SLEV1022504E-NWSW	SLEV1022504W-NWSW	SLEV1022504W-NBH	SLEV1022504W-SWSW	SLEV1022504W-SBH	SLEV1022504W-SESW	SLEV1022504W-WSW	SLEV1022504W-ESW	SLEV1022504W-NESW		Sample ID
23-Jun-05	23-Jun-05	23-Jun-05	23-Jun-05	23-Jun-05	5-May-05	17-May-05	5-May-05	5-May-05	17-May-05	5-May-05	17-May-05	5-May-05	5-May-05	5-May-05	5-May-05	5-May-05	5-May-05	5-May-05	5-May-05	17-May-05	5-May-05	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04	25-Feb-04		Sample Date
1.9	0.0	0.0	0.0	0.0	THE REAL PROPERTY.		The state of the s						THE PERSON NAMED IN								THE REAL PROPERTY.																(ppm)	Field Analyses (PID)
STATE OF THE PARTY					<25	25	25	25	25	25	<25	25	25	25	25	25	25	25	25	25	25	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	(μg/Kg)	Benzene
THE PERSON NAMED IN		THE REAL PROPERTY.	THE REAL PROPERTY.		<25	<25	25	<25	△25	<25	<25	<25	<25	<25	625	<25	<25	<25	15	<25	26.8	<20	<20	<20	181	<20	<20	<20	<20	<20	52	<20	<20	<20	<20	312	(µg/Kg)	Toluene
THE RESERVE THE PERSON NAMED IN		The Party of the P	THE PARTY OF		25	25	25	25	25	25	25	25	25	25	<25	<25	25	25	37.2	25	38.2	<20	<20	34.4	769	<20	<20	<20	<20	<20	177	<20	<20	<20	<20	1,920	(µg/Kg)	Ethylbenzene
The second second			The state of the s	THE REAL PROPERTY.	45.0	25	25	<25	<25	46.0	44.1	62.9	- 25	-25	53.7	<25	<25	<25	97.3	<25	209	<40	<40	47	1,270	<40	<40	<40	<40	<40	205	<40	<40	<40	<40	2,910	(µg/Kg)	m,p-Xylenes
	THE DESIGNATION				<25	<25	25	<25	<25	<25	28.1	<25	<25	<25	<25	<25	<25	<25	37.6	<25	49	<20	<20	168	714	<20	<20	<20	<20	<20	396	<20	<20	<20	<20	1,800	(µg/Kg)	o-Xylene
The same of the same of	The same of the sa	1	STATE OF THE PERSON.	STATE OF THE PARTY	<125	<125	<125	<125	<125	46.0	72.2	62.9	<125	<125	53.7	<125	<125	<125	187	<125	323	<120	<120	249	2,934	<120	<120	<120	<120	<120	830	<120	<120	<120	<120	6,942	(µg/Kg)	Total BTEX
The second second	The second second				7.434	<10.0	86.4	<10.0	<10.0	6.88	<10.0	12.1	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208	٥	۵	136	337	۵	6	7.15	S	179	106	۵	۵	S	5	608	(mg/Kg)	(as gasoline)
					80.8	76.8	879	9.664	<10.0	139	<10.0	181	11.6	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	35.4	2,170	13.3	2.5	6,580	9,640	<2.5	4.78	1,980	<2.5	8,690	3,690	<2.5	<2.5	7.31	<2.5	18,400	(mg/Kg)	(as diesel)
	The state of the s	THE REAL PROPERTY.	The state of the s		80.8	76.8	965	<10.0	<10.0	130	<10.0	193	11.6	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	35.4	2,378	13	<7.5	6.716	9,977	<7.5	5	1.987	<7.5	8.869	3,796	<7.5	<7.5	7	<7.5	19,008	(mg/Kg)	Total TPH

TABLE 5
Summary of Soil Analytical Results
Vacuum 10-Inch to Jal - Ref #2002-10248

Sample ID	Sample Date	Field Analyses (PID)	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total BTEX	TPH (as gasoline)	(as diesel)	Total TPH
WE W.3	23.Jun.05	(ppm)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(Hg/Kg)	(µg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
WE W.4	23-Jun-08	0.0									
WE W-S	23-Jun-05	0.0	-	No. of Lot		1	The state of the s			The same of the	
WEW-6	23-Jun-05	0.0									
WEW-7	23-Jun-05	1.7									The second
WE W-8	23-Jun-05	0.5						Will Report			
WEW-9	23-Jun-05	850		Service of the servic		The second					
WE W-10	23-Jun-05	2.6		The state of the s			Santon or the State of	The second second	The second		The state of the s
WE W-11	23-Jun-05	0.0		Mary Services	CONTRACTOR OF THE PERSON NAMED IN	THE REAL PROPERTY.	THE RESIDENCE	THE REAL PROPERTY.	THE REAL PROPERTY.		
WE W-12	23-Jun-05	0.0		THE PERSON NAMED IN	The Party of the P	The state of the s	The second second		The second second	The second	STATE SALES
WEW-13	23-Jun-05	0.0	TO THE PERSON NAMED IN	THE REAL PROPERTY.	The second second						Designation of the last
WEW-14	23-Jun-05	0.0		The second second		SOUTH THE PARTY OF	STATES OF THE R.	THE REAL PROPERTY.	Contract of the last		The state of the s
WE W-15	23-Jun-05	3.1	The second second		Sales Bridge	THE REAL PROPERTY.				100000	S. T. S.
WE W-16	23-Jun-05	0.0			THE PERSON NAMED IN	The same	THE REAL PROPERTY.				1
WE W-17	23-Jun-05	0.0				STORES OF STREET		THE REAL PROPERTY.			The state of the s
WE W-18	23-Jun-05	8.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The State of the last	THE REAL PROPERTY.		THE PERSON NAMED IN		THE PERSON NAMED IN	Mary Mary	The state of the s
WE N-I	23-Jun-05	0.0					THE REAL PROPERTY.		OIL COLORS	The same of	
WE N-2	23-Jun-05	17.6	The second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The section of the section of	THE RESERVE	September 1	Bald of the last		No. of Street, or other Persons	THE REAL PROPERTY.
WE N-3	23-Jun-05	11.5					THE REAL PROPERTY.			THE REAL PROPERTY.	STREET, ST. 1931
WE N-4	23-Jun-05	16.9							THE RESERVE		The Park of the Park of
WE N-S	23-Jun-05	833	The same of the last	THE REAL PROPERTY.					The second second	THE REAL PROPERTY.	The second second
WEE-1	23-Jun-05	3.9							THE REAL PROPERTY.		Section 1
WEE2	23-Jun-05	1.6								The same of the sa	State of the last
WEE-3	23-Jun-05	18.5		THE REAL PROPERTY.							The same
WEE-4	23-Jun-05	107									
WEE-5	23-Jun-05	13.0									THE REAL PROPERTY.
WEE-6	23-Jun-05	3.7					The same of the sa				
WEE-7	23-Jun-05	1.9				THE PERSON NAMED IN	The second second				
WEE-8	23-Jun-05	2.2				The second second	The same of	The second	The state of the s		
WEE-9	23-Jun-05	13.6									
WEE-10	23-Jun-05	2.1									
WE E-11	23-Jun-05	7.2			The second second						STATE OF THE PARTY
WE E-12	23-Jun-05	69.0									San Santa
WEE-13	23-Jun-05	10.1	The Contract	THE REAL PROPERTY.			The state of the s		The same of the sa		
WEE-14	23-Jun-05	1.5									THE PARTY OF THE P
WE M-N	23-Jun-05	3.0		The same of the same of	THE REAL PROPERTY.	The state of the s	THE REAL PROPERTY.	THE REAL PROPERTY.	Total Interior		
WEM-E	23-Jun-05	7.6					THE RESERVED TO SERVED TO		TO STATE OF THE PARTY OF THE PA	The state of the s	N. Contractor

TABLE 5

Summary of Soil Analytical Results

Vacuum 10-Inch to Jal - Ref #2002-10248

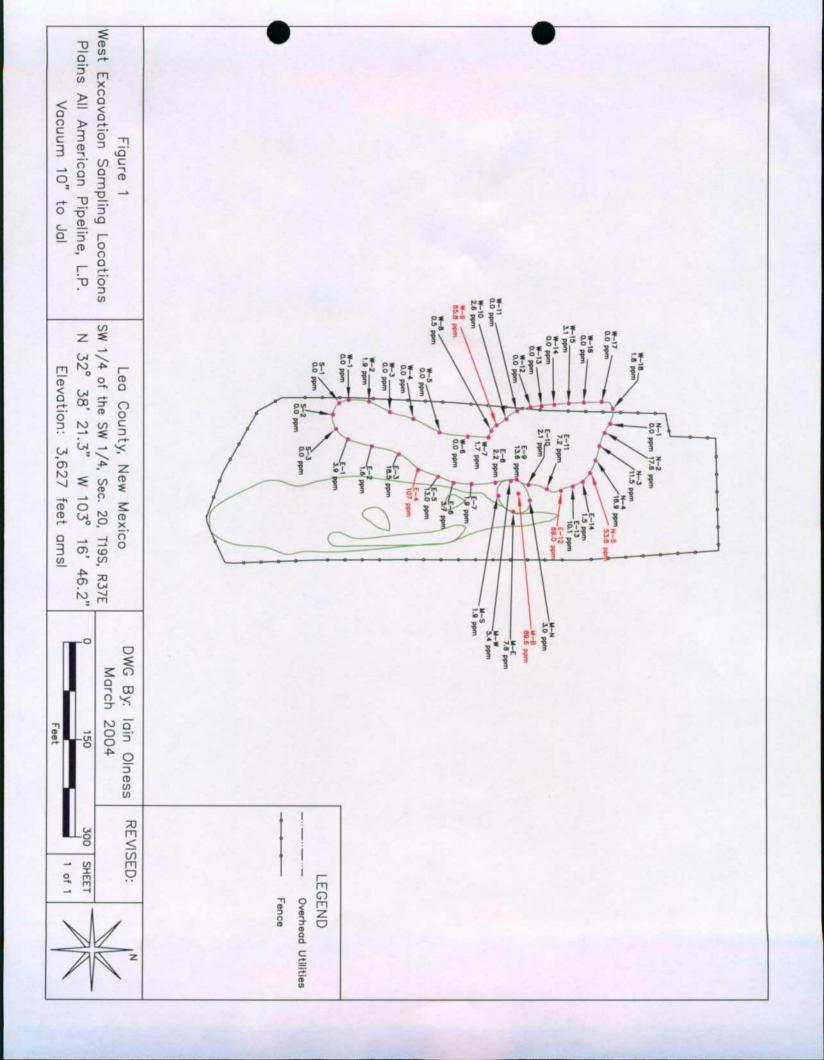
	WE M-	WE M-W	WE M-	
NMOCD Remedial Threshold	В	W	S	Sample ID
Thresholds	23-Jun-05	23-Jun-05	23-Jun-05	Sample Date
	89.6	5,4	1.9	Field Analyses (PID)
10,000		THE PARTY OF THE P		Benzene (µg/Kg)
	THE RESERVE			Toluene
	SECTION AND DESCRIPTIONS	No. of Lot, House, St. of Lot, H	The state of the s	Ethylbenzene (µg/Kg)
				m,p-Xylenes (நழ்(Kg)
	TO THE WAY		STATE	o-Xylene _(нg/Kg)
50,000				Total BTEX
				TPH (as gasoline)
				TPH (as diesel)
100	THE REAL PROPERTY.		The state of the s	Total TPH

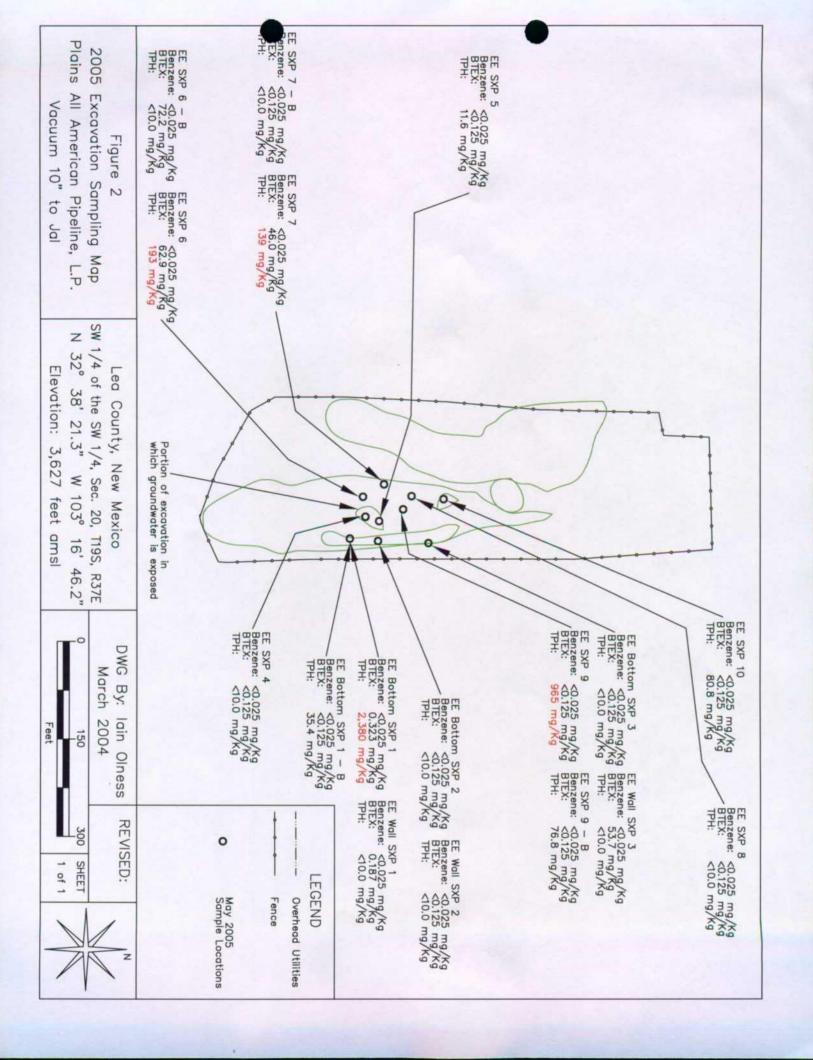
^{**} Bolded values are in excess of the NMOCD Remediation Thresholds

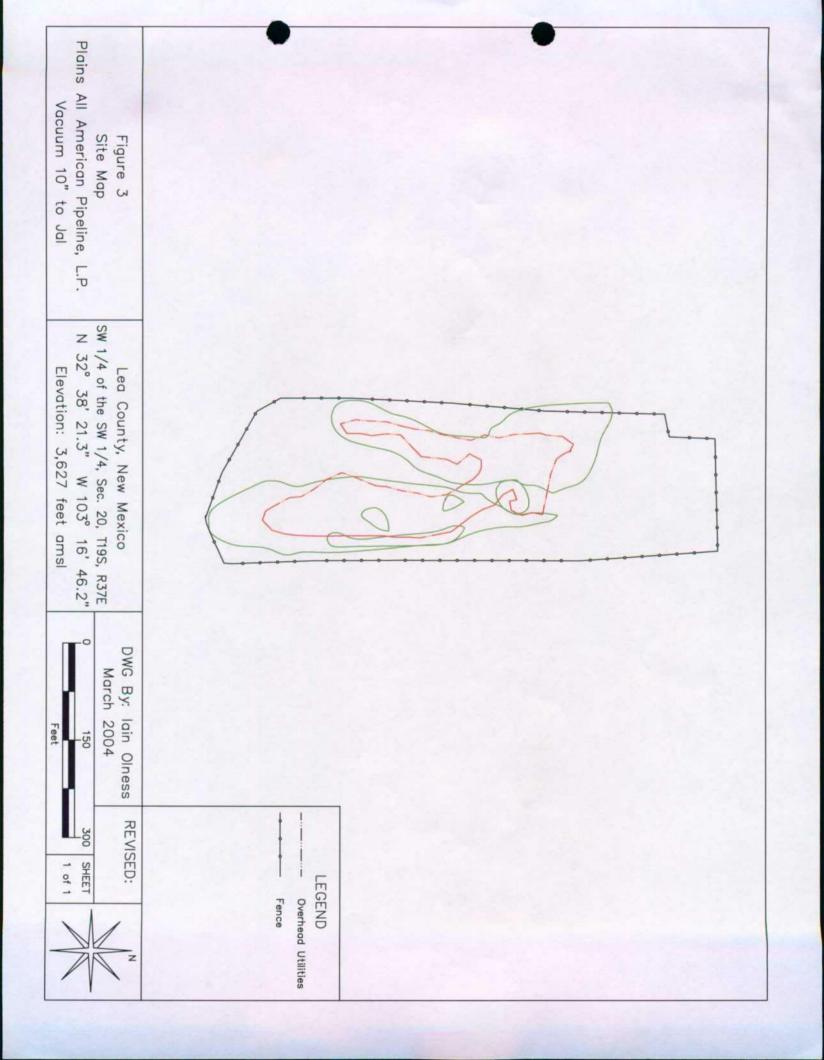
2 NA: Not Analyzed

3 NS: Not Sampled

⁴ Detected, but below the Reporting Limit; therefore, result is an estianted concentration.









NEW MEXICO ENERGY, MMERALS and NATURAL RESOURCES DEPARTMENT

Governor

Joanna Prukop

Cabinet Secretary

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

November 22, 2005

Ms. Camille Reynolds Plains All American Pipeline 3112 West Highway 82 Lovington, NM 88260

RE: Plains Vacuum 10" to Jal Abatement Site

SW/4 SW/4 of Section 20, Township 19 South, Range 37 East

Plains Ref 2002-10248, NMOCD Ref 1R-0385

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the analyses submitted by Environmental Plus, Inc. (EPI) on behalf of Plains All American Pipeline (Plains) for the above-referenced site. Backfilling operations at this site may commence. Such backfilling activities are to be described in the next report submitted by EPI on behalf of Plains, under the report heading summarizing "Field Activities" since the last report.

All other items under Section VIII "Recommendations" included in the annual monitoring report, dated March 29, 2004, shall be completed as shown.

NMOCD approval of backfilling at this site does not relieve Plains should its operations prove to have been harmful to public health or the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other local, state or federal governmental agency.

If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin

Environmental Bureau

If Martin

Copy: Iain Olness, EPI

Martin, Ed, EMNRD

From:

Iain Olness [iolness@envplus.net]

Sent:

Monday, November 21, 2005 2:23 PM

To:

Martin, Ed. EMNRD

Cc:

Camille (Plains)

Subject:

Plains Vacuum 10" to Jal (Ref. #2002-10248)

Attachments: Excavation Data Table.pdf; WE ANALYTICAL RESULTS.pdf; EE Analytical Results.pdf; 2004 Sampling.pdf; MW-9 Soil Analytical.pdf; MW-9 Groundwater Analytical.pdf; MW Location Map (103105).pdf; MW-9 Construction Diagram.pdf; MW-9 Soil Boring (1).pdf; MW-9 Soil Boring

Dear Mr. Martin:

Per Camille Reynolds (Plains) request, EPI submits the attached table documenting analytical results for samples collected from the excavation and maps documenting the sample locations. I have also attached a site map showing the locations of all the monitoring/recovery wells, MW-9 monitoring well construction diagram and soil boring logs. In addition, attached are the analytical results for the soil samples collected during the installation of groundwater monitoring well MW-9 and groundwater sample collected from the aforementioned well on September 20, 2005.

Should you have any questions or concerns, please feel free to contact me at (505) 394-3481 or via email at iolness@envplus.net.

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain A. Olness, P.G. Hydrogeologist

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

(505) 394-3481

(505) 394-2601 (facsimile)

Scanned by McAfee e250 Appliance

TABLE 5

Summary of Soil Analytical Results

Vacuum 10-Inch to Jal - Ref #2002-10248

Sample ID	Sample Date	Field Analyses (PID)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethylbenzene (pg/Kg)	m,p-Xylenes	o-Xylene	Total BTEX	(as gasoline)	(as diesel)	Total TPH (mg/Kg)
SLEV1022504W-NESW	25-Feb-04		<20	312	1,920	2,910	1,800	6,942	809	18,400	800'61
SLEV1022504W-ESW	25-Feb-04		<20	<20	<20	<40	<20	<120	\$	2.5	<7.5
SLEV1022504W-WSW	25-Feb-04		<20	<20	<20	<40	<20	<120	<>	7.31	7
SLEV1022504W-SESW	25-Feb-04		<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
SLEV1022504W-SBH	25-Feb-04		<20	<20	<20	<40	<20	<120	<>	<2.5	<7.5
SLEV1022504W-SWSW	25-Feb-04		<20	52	177	205	396	830	901	3,690	3,796
SLEV1022504W-NBH	25-Feb-04		<20	<20	<20	<40	<20	<120	179	8,690	8,869
SLEV1022504W-NWSW	25-Feb-04		<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
SLEV1022504E-NWSW	25-Feb-04		<20	<20	<20	<40	<20	<120	7.15	1,980	1.987
SLEV1022504E-SBH	25-Feb-04		<20	<20	<20	<40	<20	<120	\$	4.78	5
SLEV1022504E-WSW	25-Feb-04		<20	<20	<20	<40	<20	<120	\$	2.5	<7.5
SLEV1022504E-NBH	25-Feb-04		<20	181	692	1,270	714	2,934	337	9,640	6.977
SLEV1022504E-NESW	25-Feb-04		<20	<20	34.4	47	891	249	136	6,580	6.716
SLEV1022504W-SWSW	25-Feb-04		<20	<20	<20	<40	<20	<120	\$	<2.5	<7.5
SLEV1022504W-SESW	25-Feb-04		<20	<20	<20	<40	<20	<120	<\$	13.3	13
EE Bottom SXP 1	5-May-05		<25	26.8	38.2	209	49	323	208	2,170	2,378
EE Bottom SXP 1- B	17-May-05		<25	<25	<25	<25	425	<125	<10.0	35.4	35.4
EE Wall SXP1	5-May-05		<25	154	37.2	97.3	37.6	187	<10.0	<10.0	<10.0
EE Bottom SXP 2	5-May-05		<25	<25	425	<25	25	<125	<10.0	<10.0	<10.0
EE Wall SXP 2	5-May-05		<25	<25	<25	<25	425	<125	<10.0	<10.0	<10.0
EE Bottom SXP 3	5-May-05		<25	425	425	<25	425	<125	<10.0	<10.0	<10.0
EE Wall SXP 3	5-May-05		<25	<25	<25	53.7	<25	53.7	<10.0	<10.0	<10.0
EE SXP 4	5-May-05		<25	<25	<25	<25	<25	<125	<10.0	<10.0	<10.0
EE SXP 5	5-May-05		<25	<25	<25	<25	425	<125	<10.0	11.6	9711
EE SXP 6	5-May-05		<25	<25	<25	62.9	425	62.9	12.1	181	193
EE SXP 6 - B	17-May-05		<25	<25	<25	44.1	28.1	72.2	<10.0	<10.0	<10.0
EE SXP 7	5-May-05		<25	<25	425	46.0	425	46.0	6.88	139	139
EE SXP 7 - B	17-May-05	THE REAL PROPERTY.	<25	<25	<25	<25	<25	<125	<10.0	<10.0	<10.0
EE SXP 8	5-May-05		425	425	425	<25	425	<125	<10.0	99.6	<10.0
EE SXP 9	5-May-05		425	<25	425	<25	25	<125	86.4	879	965
EE SXP - 9	17-May-05		425	<25	<25	<25	<25	<125	<10.0	76.8	76.8
EE SXP 10	5-May-05		<25	<25	<25	45.0	<25	<125	7.434	80.8	8.08
WE S-1	23-Jun-05	0.0									
WE S-2	23-Jun-05	0.0									
WE S-3	23-Jun-05	0.0									
W-1	23-Jun-05	0.0		THE PERSON							
THE STATE OF	22. Jun. 05	10									

TABLE 5

Summary of Soil Analytical Results

Vacuum 10-Inch to Jal - Ref #2002-10248

Sample ID	Sample Date	Field Analyses (PID)	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total BTEX	TPH (as gasoline)	TPH (as diesel)	Total TPH
The second secon		(ppm)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
WE W-3	23-Jun-05	0.0					No. of Local Second		The second second	The second second	The Later
WE W-4	23-Jun-05	0.0									
WE W-5	23-Jun-05	0.0					The state of the s				
WE W-6	23-Jun-05	0.0		Name of the last	Maria III III III III III III III III III I		1 3 THE			THE RESERVE	
WE W-7	23-Jun-05	1.7					200		The state of the s	To the last of the	
WE W-8	23-Jun-05	0.5									
WE W-9	23-Jun-05	8.59									
WE W-10	23-Jun-05	2.6									
WE W-11	23-Jun-05	0.0			The same of						THE REAL PROPERTY.
WE W-12	23-Jun-05	0.0									
WE W-13	23-Jun-05	0.0	DESCRIPTION OF STREET		The street						
WE W-14	23-Jun-05	0.0									
WE W-15	23-Jun-05	3.1									
WE W-16	23-Jun-05	0.0									
WE W-17	23-Jun-05	0.0	SECTION AND	THE REAL PROPERTY.						The state of the s	
WE W-18	23-Jun-05	1.8								BILL STATE	
WE N-I	23-Jun-05	0.0									
WE N-2	23-Jun-05	17.6									
WE N-3	23-Jun-05	11.5			The second second			THE PERSON NAMED IN			
WE N-4	23-Jun-05	16.9		Strategy and the second		No. of the last of			TO THE REAL PROPERTY.		
WE N-5	23-Jun-05	53.6					The state of		THAT IS NOT THE	The state of the s	
WE E-I	23-Jun-05	3.9				THE PARTY OF THE P					
WE E-2	23-Jun-05	1.6									
WE E-3	23-Jun-05	18.5			100				To Holling WY		
WE E-4	23-Jun-05	107				THE RESIDENCE					
WE E-5	23-Jun-05	13.0				THE PERSON NAMED IN					The state of the s
WE E-6	23-Jun-05	3.7						100000000000000000000000000000000000000			
WE E-7	23-Jun-05	1.9									AREA
WE E-8	23-Jun-05	2.2			THE REAL PROPERTY.	WILL STATE					X TOTAL TOTAL
WE E-9	23-Jun-05	13.6						THE SHIP			
WE E-10	23-Jun-05	2.1					11.11.18.2				
WE E-II	23-Jun-05	7.2		THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERS		Charles III		TO THE REAL PROPERTY.		THE RESERVE	
WE E-12	23-Jun-05	69.0									
WE E-13	23-Jun-05	10.1									
WE E-14	23-Jun-05	1.5									
WE M-N	23-Jun-05	3.0						The second second			

TABLE 5

Summary of Soil Analytical Results

Vacuum 10-Inch to Jal - Ref #2002-10248

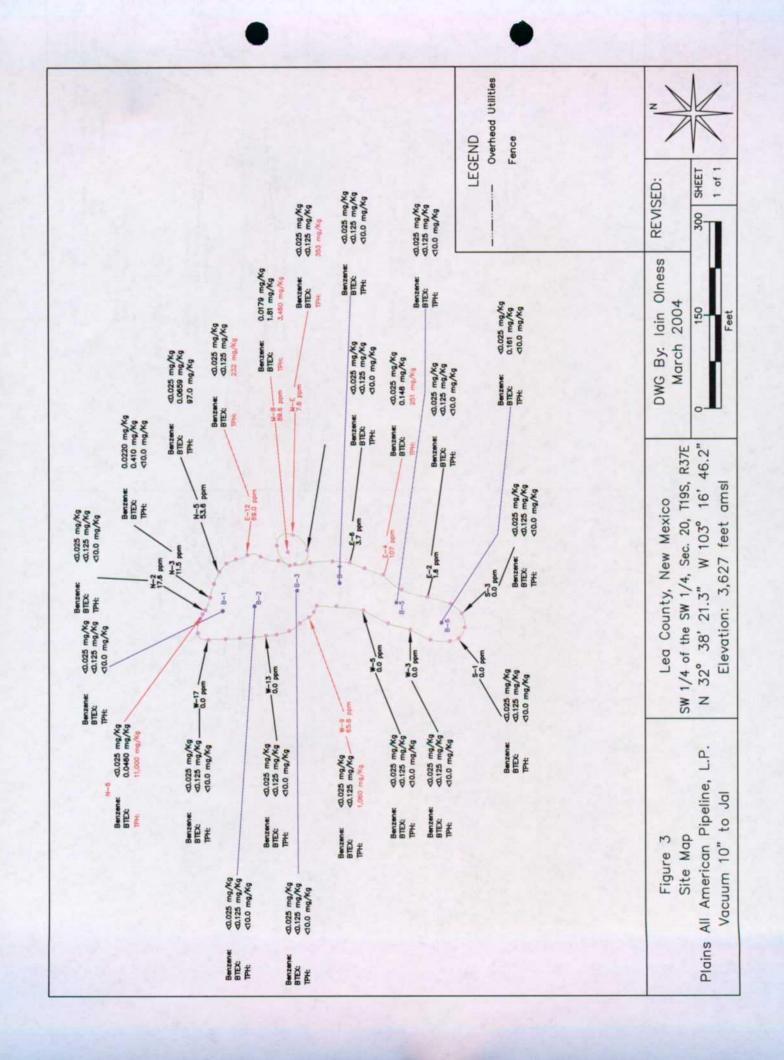
Sample ID	Sample Date	Field Analyses (PID)	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total BTEX	TPH (as gasoline)	(as diesel)	Total TPH
The second secon		(mdd)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
WE M-E	23-Jun-05	7.6			No.						
WE M-S	23-Jun-05	6.1				N. P. S.					
WE M-W	23-Jun-05	5.4									Section 1
WE M-B	23-Jun-05	9.68									
NMOCD Remedial 7	hresholds		10,000					20,000		THE RES	100

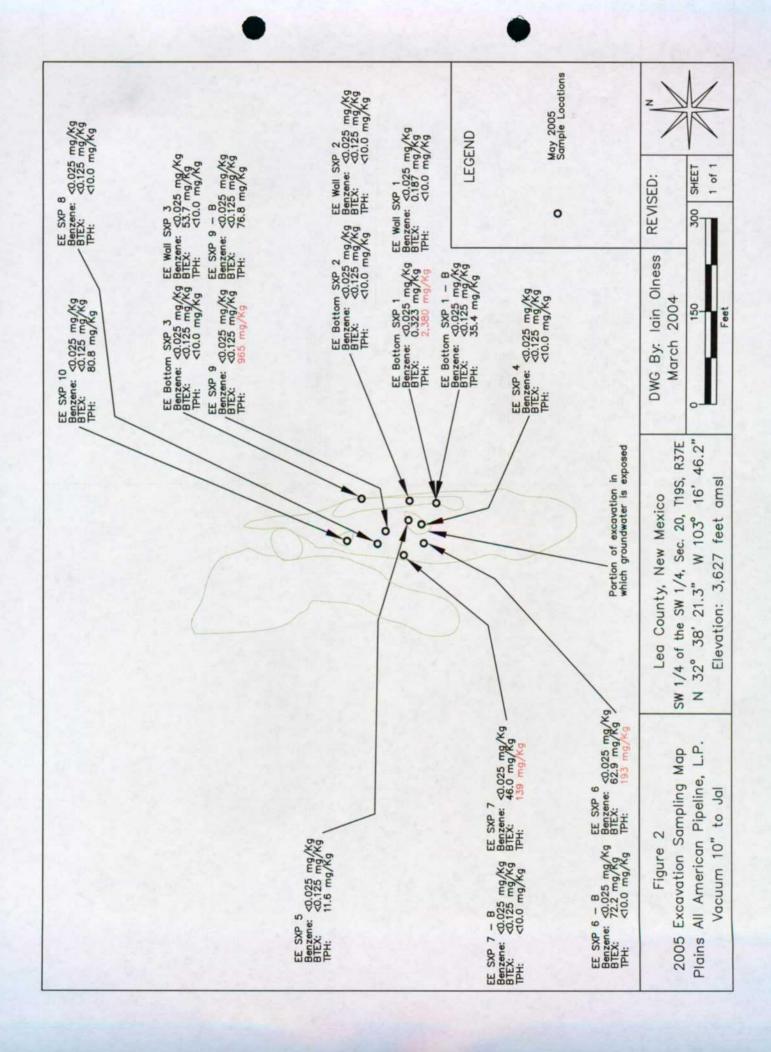
** Boldred values are in excess of the NMOCD Remediation Thresholds

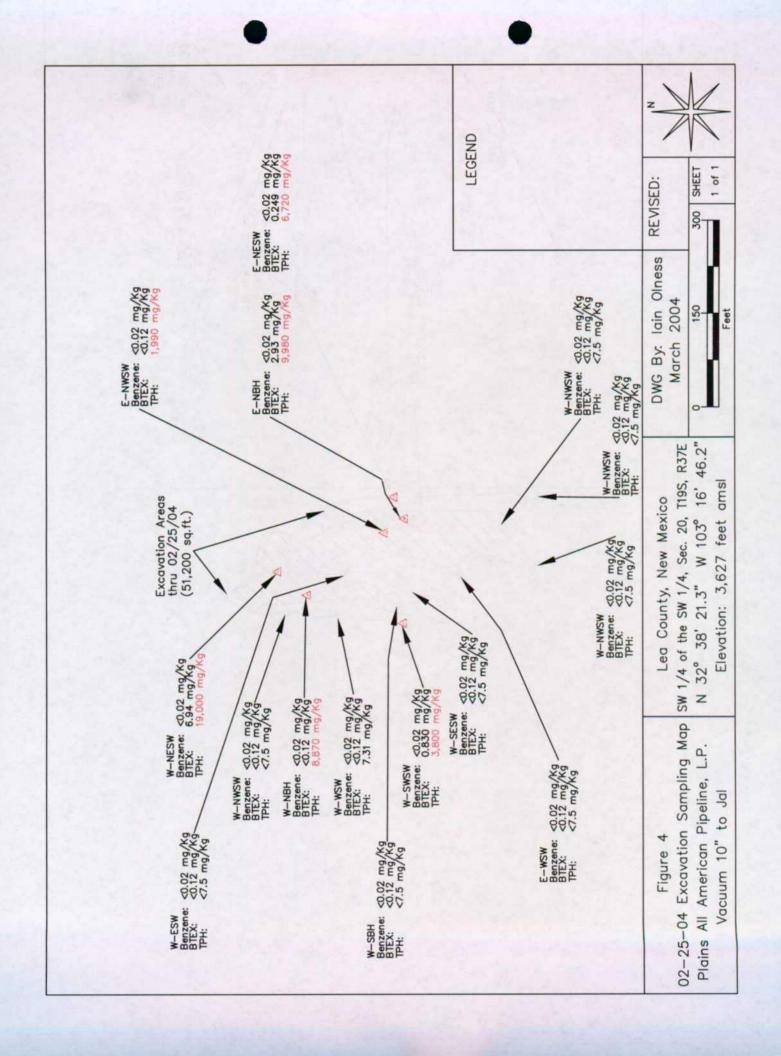
** NA : Not Analyzed

** NOS Sampled

** Detected, but below the Reporting Limit; therefore, result is an estianted concentration.









Analytical Report

Prepared for:

Camille Reynolds
Plains All American EH & S
1301 S. County Road 1150
Midland, TX 79706-4476

Project: Vacuum 10" to Jal
Project Number: 2002-10248
Location: None Given

Lab Order Number: 5I20006

Report Date: 09/28/05

Project: Vacuum 10" to Jal
Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
09/28/05 13:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9 (5')	5120006-01	Soil	09/16/05 11:30	09/20/05 12:17
MW-9 (10')	5120006-02	Soil	09/16/05 11:43	09/20/05 12:17
MW-9 (15')	5120006-03	Soil	09/16/05 11:52	09/20/05 12:17
MW-9 (18')	5120006-04	Soil	09/16/05 12:04	09/20/05 12:17
MW-9 (20')	5120006-05	Soil	09/16/05 12:13	09/20/05 12:17

Project: Vacuum 10" to Jal
Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
09/28/05 13:54

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-9 (5') (5I20006-01) Soil	· • • • • • • • • • • • • • • • • • • •			<u> </u>					
Benzene	ND	0.0250	mg/kg dry	25	E152303	09/23/05	09/24/05	EPA 8021B	
Toluene	ND	0.0250	**		**	**	"	п	
Ethylbenzene	ND	0.0250	n	*	n	n	**	н	
Xylene (p/m)	ND	0.0250	n	**	11	**		n	
Xylene (o)	ND	0.0250	•	**	n	"		**	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	80-1	20	"	**	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI52106	09/21/05	09/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	**	•	tt	Ħ	"		
Total Hydrocarbon C6-C35	ND	10.0		**	H	**	н		
Surrogate: 1-Chlorooctane		85.0 %	70-1	30	"	,,	"	"	
Surrogate: 1-Chlorooctadecane		90.6 %	70-1	30	"	"	"	"	
MW-9 (10') (5120006-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	E152303	09/23/05	09/24/05	EPA 8021B	
Toluene	ND	0.0250		н	11	"		11	
Ethylbenzene	ND	0.0250	**	•	**		*	**	
Xylene (p/m)	0.0370	0.0250	**	n		"	*	n	
Xylene (o)	ND	0.0250	*	*	•		•	•	
Surrogate: a,a,a-Trifluorotoluene		86.0 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI52106	09/21/05	09/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	77	"	*	n	Ħ	•	
Total Hydrocarbon C6-C35	ND	10.0	"	"	*	n	**	•	
Surrogate: 1-Chlorooctane		77.6 %	70-1	30	**	,,	"	"	
Surrogate: 1-Chlorooctadecane		97.0 %	70-1	30	"	"	"	"	
MW-9 (15') (5120006-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52303	09/23/05	09/24/05	EPA 8021B	
Toluene	ND	0.0250	н	**	99	**	"	**	
Ethylbenzene	ND	0.0250	н	**	**	*	**	**	
Xylene (p/m)	ND	0.0250	Ħ	**	**		"	**	
Xylene (o)	ND	0.0250	**	•	•		"	•	
Surrogate: a,a,a-Trifluorotoluene		87.2 %	80-1	20	"	"	,,	"	
Surrogate: 4-Bromofluorobenzene		80.0 %	80-1	20	n	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	E152106	09/21/05	09/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	*		н	"	51	**	
Total Hydrocarbon C6-C35	ND	10.0	n		**	11	**	"	

Environmental Lab of Texas

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

Project: Vacuum 10" to Jal
Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
09/28/05 13:54

Organics by GC Environmental Lab of Texas

Amalina	Dk	Reporting	**						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-9 (15') (5120006-03) Soil									
Surrogate: 1-Chlorooctane		74.4 %	70-1	130	EI52106	09/21/05	09/21/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		98.4 %	70-1	130	"	"	"	"	
MW-9 (18') (5I20006-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52303	09/23/05	09/24/05	EPA 8021B	
Toluene	ND	0.0250	#	"	**	**	"	**	
Ethylbenzene	ND	0.0250	Ħ	"	*	m	n n	"	
Kylene (p/m)	ND	0.0250	u	71	"	**	"	•	
Kylene (o)	ND	0.0250	tt	"	**	**	Ħ	**	
Surrogate: a,a,a-Trifluorotoluene		80.8 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.2 %	80-1	20	"	"	,,	,,	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI52106	09/21/05	09/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	Ħ	"	**	n	n	11	
Cotal Hydrocarbon C6-C35	ND	10.0	n	**	**	n	*	n	
Surrogate: 1-Chlorooctane		76.8 %	70-1	30	"	,,	"	"	
Surrogate: 1-Chlorooctadecane		96.6 %	70-1	30	"	"	"	"	
MW-9 (20') (5120006-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52303	09/23/05	09/24/05	EPA 8021B	
Toluene	ND	0.0250	**	**	*	"	**	**	
Ethylbenzene	ND	0.0250	**	**	•	11	*	*	
(ylene (p/m)	ND	0.0250	"	**	•	"	"	**	
(ylene (o)	ND	0.0250	**	•	•	n	"	•	
urrogate: a,a,a-Trifluorotoluene		97.2 %	80-1	20	"	"	#	rr .	
urrogate: 4-Bromofluorobenzene		90.0 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI52106	09/21/05	09/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	*	*	**	"	"	
otal Hydrocarbon C6-C35	ND	10.0	Ħ	**	"	**	"	11	
Surrogate: 1-Chlorooctane		79.2 %	70-1	30	. и	"	"	"	
urrogate: 1-Chlorooctadecane		93.8 %	70-1	30	"	"	"	"	

Project: Vacuum 10" to Jal Number: 2002-10248

Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 09/28/05 13:54

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

Analyte	. Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (5') (5120006-01) Soil						-	-		
% Moisture	10.0	0.1	%	1	EI52101	09/21/05	09/21/05	% calculation	
MW-9 (10') (5120006-02) Soil									
% Moisture	8.7	0.1	%	1	EI52101	09/21/05	09/21/05	% calculation	
MW-9 (15') (5I20006-03) Soil									
% Moisture	8.4	0.1	%	1	EI52101	09/21/05	09/21/05	% calculation	
MW-9 (18') (5I20006-04) Soil									
% Moisture	18.3	0.1	%	1	EI52101	09/21/05	09/21/05	% calculation	
MW-9 (20') (5120006-05) Soil									
% Moisture	20.4	0.1	%	1	EI52101	09/21/05	09/21/05	% calculation	

Project: Vacuum 10" to Jal
Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 09/28/05 13:54

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 EI52106 - Solvent Extraction (GC)										
Blank (EI52106-BLK1)		-		Prepared &	: Analyzed:	09/21/05				
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
otal Hydrocarbon C6-C35	ND	10.0	**							
urrogate: 1-Chlorooctane	45.4		mg/kg	50.0		90.8	70-130			
urrogate: 1-Chlorooctadecane	45.9		"	50.0		91.8	70-130			
CS (EI52106-BS1)				Prepared &	: Analyzed:	09/21/05				
asoline Range Organics C6-C12	443	10.0	mg/kg wet	500		88.6	75-125			
riesel Range Organics >C12-C35	564	10.0	*	500		113	75-125			
otal Hydrocarbon C6-C35	1010	10.0	n	1000		101	75-125			
urrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	70-130			
urrogate: 1-Chlorooctadecane	48.6		"	50.0		97.2	70-130			
alibration Check (EI52106-CCV1)				Prepared: 0	9/21/05 Aı	nalyzed: 09	/22/05			
asoline Range Organics C6-C12	409		mg/kg	500		81.8	80-120			
iesel Range Organics >C12-C35	499		"	500		99.8	80-120			
otal Hydrocarbon C6-C35	908		n	1000		90.8	80-120			
urrogate: 1-Chlorooctane	47.0		"	50.0		94.0	0-200			
urrogate: 1-Chlorooctadecane	49.1		"	50.0		98.2	0-200			
latrix Spike (EI52106-MS1)	Sour	ce: 5I20006-	-01	Prepared &	Analyzed:	09/21/05				
asoline Range Organics C6-C12	458	10.0	mg/kg dry	556	ND	82.4	75-125			
iesel Range Organics >C12-C35	603	10.0		556	ND	108	75-125			
otal Hydrocarbon C6-C35	1060	10.0	*	1110	ND	95.5	75-125			
urrogate: 1-Chlorooctane	<i>58.7</i>		mg/kg	50.0		117	70-130			
urrogate: 1-Chlorooctadecane	49.4		"	50.0		98.8	70-130			
fatrix Spike Dup (EI52106-MSD1)	Sour	ce: 5I20006-	-01	Prepared &	Analyzed:	09/21/05				
asoline Range Organics C6-C12	455	10.0	mg/kg dry	556	ND	81.8	75-125	0.657	20	
iesel Range Organics >C12-C35	603	10.0	Ħ	556	ND	108	75-125	0.00	20	
otal Hydrocarbon C6-C35	1060	10.0		1110	ND	95.5	75-125	0.00	20	
ırrogate: 1-Chlorooctane	57.1		mg/kg	50.0		114	70-130			
urrogate: 1-Chlorooctadecane	47.1		"	50.0		94.2	70-130			

Project: Vacuum 10" to Jal

Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 09/28/05 13:54

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 EI52303 - EPA 5030C (GC)									·	
Blank (EI52303-BLK1)				Prepared: (09/23/05 A	nalyzed: 09	/24/05			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	n							
Ethylbenzene	ND	0.0250	**							
(ylene (p/m)	ND	0.0250								
Kylene (o)	ND	0.0250	*							
Surrogate: a,a,a-Trifluorotoluene	32.3		ug/kg	40.0		80.8	80-120			
Surrogate: 4-Bromofluorobenzene	32.4		"	40.0		81.0	80-120			
.CS (EI52303-BS1)				Prepared &	: Analyzed:	09/23/05				
Benzene	43.2		ug/kg	50.0	•	86.4	80-120			
Toluene	42.0		н	50.0		84.0	80-120			
Ethylbenzene	45.1		н	50.0		90.2	80-120			
Kylene (p/m)	82.6		**	100		82.6	80-120			
Kylene (o)	47.1		"	50.0		94.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.6		"	40.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	41.4		"	40.0		104	80-120			
Calibration Check (EI52303-CCV1)				Prepared: (9/23/05 A	nalyzed: 09	/25/05			
Benzene	41.4		ug/kg	50.0		82.8	80-120			
Toluene	40.0		**	50.0		80.0	80-120			
Ethylbenzene	42.8		"	50.0		85.6	80-120			
Kylene (p/m)	81.9		"	100		81.9	80-120			
Kylene (o)	45.3		n	50.0		90.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.3		"	40.0		90.8	0-200			
Surrogate: 4-Bromofluorobenzene	37.1		"	40.0		92.8	0-200			
Matrix Spike (EI52303-MS1)	Sou	rce: 5120008-	-14	Prepared: 0	9/23/05 Aı	nalyzed: 09/	/25/05			
Benzene	1100		ug/kg	1250	ND	88.0	80-120			
Coluene	1060		"	1250	ND	84.8	80-120			
Ethylbenzene	1140		*	1250	ND	91.2	80-120			
Kylene (p/m)	2090		n	2500	ND	83.6	80-120			
Kylene (o)	1140		н	1250	ND	91.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	<i>37.3</i>		"	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120			

Project: Vacuum 10" to Jal

Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 09/28/05 13:54

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 EI52303 - EPA 5030C (GC)									
Matrix Spike Dup (EI52303-MSD1)	Source	e: 5I20008-14	Prepared: (09/23/05 A	nalyzed: 09	/25/05			
Benzene	1040	ug/kg	1250	ND	83.2	80-120	5.61	20	
Toluene	1030	**	1250	ND	82.4	80-120	2.87	20	
Ethylbenzene	1100	n	1250	ND	88.0	80-120	3.57	20	
Xylene (p/m)	2030	n	2500	ND	81.2	80-120	2.91	20	
Xylene (o)	1110	n	1250	ND	88.8	80-120	2.67	20	
Surrogate: a,a,a-Trifluorotoluene	36.7	n	40.0		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	37.4	"	40.0		93.5	80-120			

Project: Vacuum 10" to Jal

Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 09/28/05 13:54

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 EI52101 - General Preparation (Prep)										
Blank (EI52101-BLK1)				Prepared &	Analyzed:	09/21/05				
% Solids	100		%							
Duplicate (EI52101-DUP1)	Sour	ce: 5I19030-0	1	Prepared &	: Analyzed:	09/21/05				
% Solids	84.7		%		84.6			0.118	20	
Duplicate (EI52101-DUP2)	Sour	ce: 5I19032-0	4	Prepared &	: Analyzed:	09/21/05				
% Solids	95.8		%		94.1			1.79	20	
Duplicate (EI52101-DUP3)	Sour	·ce: 5120008-0	7	Prepared &	Analyzed:	09/21/05				
% Solids	92.6		%		92.9			0.323	20	

Project: Vacuum 10" to Jal

Project Number: 2002-10248
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 09/28/05 13:54

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 KJul

Date:

9/28/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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

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

Environmental Labs of Texas

12600 West I-20 East, Odessa, TX 79763 (915) 563-1800 FAX: (915) 563-1713

						College	SECTION SEC	1	A 25 CO.	100	Strate Serve			100		200	A 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sec.	- Andrew	1		1
Company Name	Environmental Plu	tal Pius,	s, Inc.									•			'n,							
EPI Project Manager	ager lain Olness							ž.,			ر II				-	┝	_	_				
Mailing Address		58									-											
City, State, Zip	Eunice New Mexico	Mexico	0 88231	=		_									-							
EPI Phone#/Fax#	\$ 505-394-3481 / 505-394-2601	1 / 505-3	2.2	g				••		V d	E	Jō.									****	
Client Company	Plains All American	erican								ALL AMERIC		e e										
Facility Name	Vacuum 10" to Jaf	o Jai				·		Att	i.	N	000	Attn: ENV Accounts Pavable										
Project Reference						_				0	Box	PO Box 4648,										
EPI Sampler Name	ne lain Olness							-	Ž P	ston,	×	Houston, TX 77210-4648			-							
			-	H		¥	MATRIX	1	F	PRESERV.	₩.	SAMPLING	ā									
LABID.	SAMPLE I.D.		TAB OR (C)OMP	SHEMIATING	ASTEWATER		UDE OIL	NDGE	нен	COOF	ЯЗН			EX 8021B	M8108 H	LORIDES (CI)	("OS) SƏTAYI		HEB >>>	Н		
				-			ಟ೦		-		-	DATE	TIME	т8	-		Hq	101	ПО	Aq	1	\dashv
197	1[MW-9 (5')		G	Ţ	_	Х		e e	3.5	×		16-Sep-05	11:30	×	×	_						
-01 2	2 MW-9 (10')		D	1	Н	X		. 543		X		16-Sep-05	11:43	×	×	\vdash						_
	3 MW-9 (15')		5	H	Н	X		(1.5)		×		16-Sep-05	11:52	X	X	Н						
4 po-	4 MW-9 (18')		5			X				X		16-Sep-05	12:04	×	×	Н						
ر ا	MW-9 (20')		ပ			X				X		16-Sep-05	12:13	×	X							
9				\dashv	Н											Н						
7					Н			n (1)													_	
80				H	\dashv					\dashv						\vdash	Щ				Н	
6			1	ᅦ	4				1	4					-							
10				\dashv		_		33	ㅓ	4	4											
																				h		
Sampler Perhapsisperi:	Ray CED	50/07/kg	Second Second	Received By:	1Br. Aron	(2)	40	bono		T &	E-mail re Remarks	saults to:		1,5 A.	& cjr	ouxe	mailtea n & cireynoids @paalp.com Aりplus,かe と	aalp.	com			
Relifiquiehod by:		8		2 By	Received By: (lab staff	itaff)	00	3	,			o. W		402								
]		Sample Cool & Intact	200	Intact		 	5	Checked By:	ž.	1		lated 5/20	~									
		7	ı			1	l	I		1		ンドアメンド	1	1	ı	ı			ı		l	

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

1 1 1 1 -1					
Client: <u>FTI/Plains</u>	delicitation				
Date/Time: 9/20/05 12	15				
Order#: 5I20006					
nitials: Ck					
S	ample Receipt	t Checkli	ist		
Temperature of container/cooler?		Yes	No I	3.5	CI
Shipping container/cooler in good condition?		X23	No		
Custody Seals intact on shipping container/co	oler?	Yes	No	Not presen	it i
Custody Seals intact on sample bottles?		X2ES	No	Not presen	
Chain of custody present?	······································	Yes	No 1		<u>-</u>
Sample Instructions complete on Chain of Cu	stody7	Yes	No		—
Chain of Custody signed when relinquished a		Yes	No		
Chain of custody agrees with sample label(s)		YES	No		
Container labels legible and intact?		Yes	No		
Sample Matrix and properties same as on ch	ain of custody?	Yes	No		
Samples in proper container/bottle?	ant of custody:	ĕ s	No	•	
Samples properly preserved?		Yes	No		
Sample bottles intact?		YES	No		
Preservations documented on Chain of Custo	<u>127</u>	1 Y&5	No		
Containers documented on Chain of Custody		YES	No		
Sufficient sample amount for indicated test?	<u>:</u>	YES	No		
All samples received within sufficient hold tim	22		No		
VOC samples have zero headspace?	<u> </u>	Yes	No	Not Applicat	
Other observations:					·
Contact Person:D Regarding:	/ariance Docui			Contacted t	ру: _
Corrective Action Taken:					
					,
		·			
					<u></u>
				and the second s	

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

78408

Report Date: 09/26/05 Time: 15:30 Time: 14:45 09/20/2005 09/20/2005 Report#/Lab ID#: 171061 **Project ID:** 2002-10248 Sample Name: MW-9 Sample Matrix: water Date Sampled: Date Received: NM 88231 FAX: (505) 394-2601 Environmental Plus, Inc REPORT OF ANALYSIS (505) 394-3481 Address: 2100 Ave. O Iain Olness Eunice, Phone: Client: Attn:

OUALITY ASSURANCE DATA

109.2 113.9 105.9 109.2 LCS4 8.66 Data Qual. Prec. 2 Recov. 3 CCV4 108.7 104.5 108.9 1001 103.8 104.5 95.5 ₹ 1.5 1.2 1 8260b(5030/5035) Method 6 8260b 8260b 8260b 8260b 8260b 09/21/05 09/21/05 09/21/05 09/21/05 09/21/05 09/21/05 Date Blank ∇ A ∇ RQL 5 Units µg/L µg/L µg/L µg/L μ g/L Result 3.35 2.23 5.5 Volatile organics-8260b/BTEX Ethylbenzene m,p-Xylenes Parameter o-Xylene Benzene **Foluene**

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results publication may be reproduced or transmitted in any form or by any means without the are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © have been carefully reviewed and, to the best of my knowledge, the analytical results Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this express written consent of AnalySys, Inc.

Respectfully Submitted, Dale Wagner

of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte . Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limit. P =Precision higher typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers than advisory limit. M =Matrix interference.

3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-7886 • FAX (512) 385-7411

Report#/Lab ID#: 171061 Sample Matrix: water

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10248

Sample Name: MW-9

REPORT OF SURROGATE RECOVERY				•
Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	6.76	021-02	
Toluene-d8	8260b	103	80-127	1

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

Chain of Custody Form

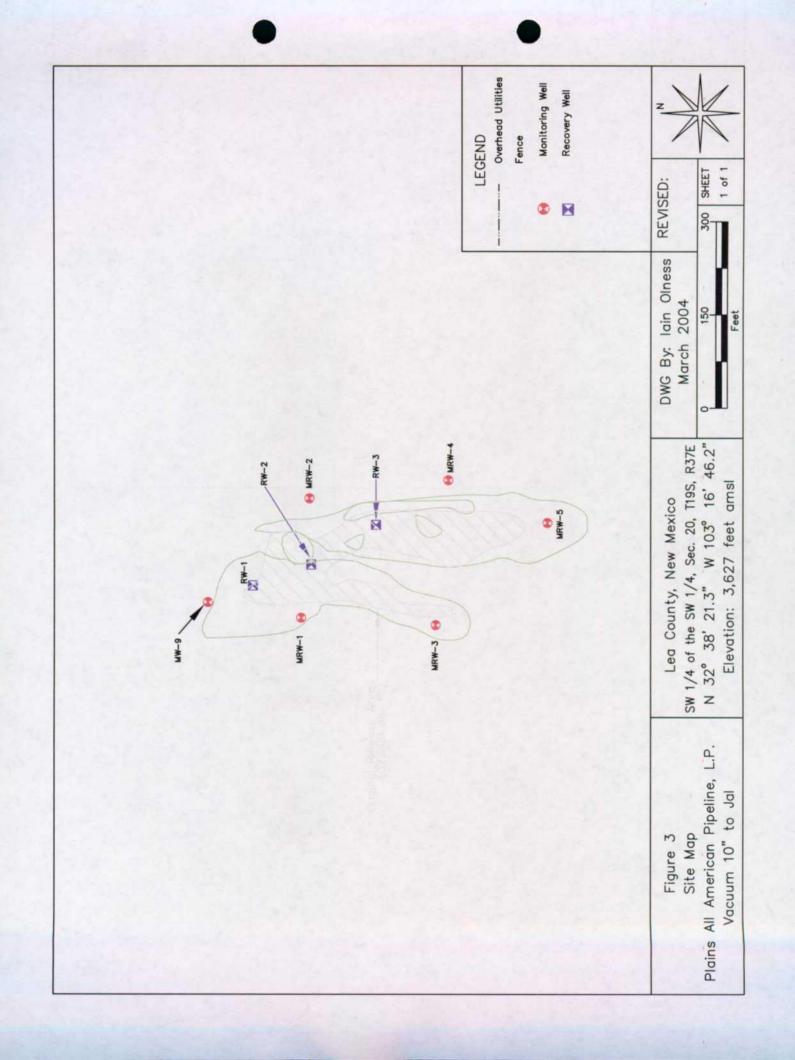
AnalySys Inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 512-444-5896 FAX: 512-447-4766

2209 N. Padre Island Dr., Corpus Christi, TX 78408

ANALYSIS REQUEST E-mail results to: iolness@envplus.net and cireynolds@paaip.com REMARKS: H∀d <<< REPLO TCLP Hd SULFATES (504°) снговірег (сі.) **M8108 H9T** 81508 X3T8 14:45 TIME SAMPLING 20-Sep-05 Attn: Camille Reynolds 5805 East Highway 80 DATE Midland, TX 79706 PRESERV. **В**ЭНТО ICE/COOF ACID/BASE :ЯЭНТО SENDGE MATRIX CBNDE OIF TIOS **MASTEWATER ABTAW GNUORD** Sample Cool & Intact Yes No 505-394-3481 / 505-394-2601 CONTAINERS Eunice New Mexico 88231 Environmental Plus, Inc. (G) RAB OR (C)OMP. G 20.05 Par 50/02/lac Vacuum 10" to Jal George Blackburn Plains All American 7630 P.O. BOX 1558 2002-10248 lain Olness SAMPLE I.D. 6-MM EPI Project Manager **EPI Sampler Name** Project Reference EPI Phone#/Fax# Company Name Mailing Address Client Company City, State, Zip Facility Name Relinquished: LABI.D. 71061 elivered by:

TH 2,50C





ENVIRONMENTAL PLUS, INC. STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES EUNICE, NM 505-394-3461

Monitoring Well Construction Information

		Boring / Well No MW-9 State Unique Well NoNA
Height <u>3.58'</u>		
T.O.C. Elev. <u>Unk.</u> Height <u>3.5'</u>	(2)	
) Protective Casing Yes No Locking Yes No Protective Posts Yes No Concrete Pyramid Yes No
Depth 1'	3 2) Concrete Seal Yes No
Depth	3	i) Type of Surface Seal if Installed <u>1bag of Bentonite Plug</u>
,) Solid Pipe Type PVC
	5	Solid Pipe Length <u>14.5</u> ft. Joint Type Slip/Glued or Threaded <u>Threaded</u>
,	5)	Type of Backfill Bentonite Plug
Depth	6)	Type of Lower Seal if Installed <u>Bentonite Plug</u>
Depth9'	6 7)	Screen Type P.V.C. Screen Length 20 ft.
	_	Slot Size <u>.020"</u> Length <u>20</u> <u>ft.</u>
Depth 11'		Screen Diameter 2 in.
•	8	Type of Backfill around Screen 5.5 bags of 8/16 silica sand
	(7)	Type of Backfill Native Soils
,)) Drilling Method <u>Air Rotary</u>
Depth) Additives Used if any None
Depth 35'		2) Borehole Diameter <u>5" in.</u>

						Log	g O	f Test Borings	(NOTE - Page 1 of 2)
							1	Project Number: Plains Marketing, L.P 200)2-10248
للر [[L			TAL P		īC.	I	roject Name: Vacuum 10" to Jal	***************************************
	r <i>)</i> 計		NVIRONME	D LAND PA			⊢	ocation: UL - M, Section 20, T 19 S, R 37 B	
	ſi _			NICE, NN -394-3481			├		ce Elevation: -
-		Γ.			· <u>-</u>		_		·
Pe f	Sample Type	\$ 3	1	6.1 3	2.5 2.5	₩.	2	Start Date: 09/16/05 Time: 112	
Sample # and Time	8	Recovery (inches)	Moisture	PID (ppm)	U.S.C.S. Symbol	2	•	Completion Date: 09/16/05 Time: Description	1234
			├─-			 		0.67 Sandy Loam Topsoil	
								CALICHE, White to Tan, Soft to Hard	_
						_			_
	-						5		
1130	Core	12	Dry	21.4	SP	\vdash			\dashv
						<u> </u>			_
						\vdash			-
						H			-
1143	Core	12	Dry	17.1	SP	-	10		
						\vdash			-
									-
									-
							15		
1152	Core	8	Demp	13.6					
						L			
1004						_			
1204	Core	10	Moist	10.6	CL	<u> </u>		Red Brown, Soft to Hard, CLAY	_
1213	Core	10	Moist	8.4	CIL	-	20	WITH SOME TRACE SILT AND SAND	·
1213	COLE	10	MUSE	0.7	CL.	\vdash			-
						<u> </u>			-
]]		一			-
						F	24		
							25		
							_		-
									_
									_
					ı	_	30		
						L			_
]]			<u> </u>			_
						<u> </u>			_
-						<u> </u>			-
			1			<u> </u>	35		-

÷						Log	Of	Test Borings		(NOTE - Page 2 of 2)	
					···		Pro	oject Number: Plains Marketi	ing, L.P 20	02-10248	
	<u> </u>			NTAL P		rc.	Pro	pject Name: Vacuum 10" to J	1		
	卢		NVIRONM E	ENTAL SERV UNICE, MH			Loc	ation: UL-M, Section 20, T 19	9 S, R 37 B		
			50	5-394-3481			Bor	ring Number: MW-9	Surfi	nce Elevation: -	
# 9	90	K(C)	2	200	જુંટ	.		Start Date: 09/16/05	_ 111110	1120	
Semple # and Time	Sample Type	Recovery (inches)	Moisture	Reading (ppm)	U.S.C.S. Symbol	18 (E)		Completion Date: 09/16/	05 Tim	e: <u>1234</u>	
02.65		46	2				+	De	escription		
						_		Red Brown, Soft to Hard, CI WITH SOME TRACE SILT	AY 'AND SANT)	
								Will bom ittica our			_
						L					_
 	·			 			35				
						H		End of Boring at 35.0'			-
											-
											_
-						_	40				
						_					
						_					-1
						_					-
-							45				
	:					_					-1
						_					-
-							50				-
						<u>_</u>					_
						<u> </u>					_
-						_					-
				1 1			55				\exists
											_
											_
						_					-
						<u> </u>	60				\dashv
							\perp				_
Date	Tim	Vater Lev	rel Mea mple epth	Surements Casing Depth	Cave-ir	. W	/ater	Drilling Method: Air Rotar	y 5.0° OD		
09/16/05	1	5 D	epúh	Depth	Depth	L	evel 27.6	Backfill Method: MW	-9 Installed		
						1		Field Representative:	IAO		



NEW MEXICO ENERGY, MIDERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

June 23, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Governor

Joanna Prukop

Cabinet Secretary

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

Dear Mr. Bryant:

The New Mexico Oil Conservation Division has received the "Annual Monitoring Report Link Energy Vacuum 10-Inch to Jal #2002-10248" (OCD ref: 1R-0385) dated April 7, 2004.

The recommendations included in the report, shown below, are hereby approved.

- 1. Continue to monitor the groundwater monitoring/recovery well network on a monthly basis to recover PSH from the impacted groundwater monitoring well(s). Collect groundwater level data on a monthly basis.
- 2. The monitoring/recovery well network may be sampled on a semi-annual basis and the samples are to be submitted for the quantification of BTEX. If PSH are not detected in wells currently showing PSH levels, these wells will be added to the sampling protocol set forth above.
- 3. During the next sampling event, analyze for the presence of PAH's. If results indicate the presence of PAH's, samples should continue to be analyzed for the presence of PAH's on an annual basis.

In addition to the above, Link should further excavate the site at the following soil sampling points to remove sources of possible further groundwater contamination:

- 1. W-NESW, TPH levels on 2/25/04 were 19,008 ppm
- 2. W-SWSW, TPH levels on 2/25/04 were 3,796 ppm
- 3. W-NBH, TPH levels on 2/25/04 were 8,869 ppm
- 4. E-NWSW, TPH levels on 2/25/04 were 1,987 ppm
- 5. E-NBH, TPH levels on 2/25/04 were 9,977 ppm
- 6. E-NESW, TPH levels on 2/25/04 were 6,716

This approval does not relieve Link Energy of any future liability should its operations in this area cause as yet undiscovered contamination that endangers public health or the environment. Nor does it relieve Link Energy of its responsibility to adhere to any other local, state, or federal rules and regulations.

If you have any questions, please contact me at (505) 476-3492 or emartin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin, Environmental Bureau

cc: Larry W. Johnson, NMOCD, Hobbs

Jeff Dann, Link Energy, Houston

Iain Olness, EPI

7 April 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 Vacuum 10-Inch to Jal #2002-10248

UL-M Section 20 T19S R37E, Lea County, New Mexico

Landowner: Cooper

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, 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 continued monthly monitoring of the monitoring/recovery well network for PSH recovery and collection of groundwater level data. In addition, Link Energy is recommending that the monitoring/recovery well network be sampled on a semi-annual basis due to the fact that only low levels or no contaminants have been detected.

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. 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,

ENVIRONMENTAL PLUS, INC.

Iain Olness, P.G. Hydrogeologist

Larry W. Johnson, NMOCD – Hobbs District Office cc: Frank Hernandez, Link Energy – Midland

Jeff Dann, Link Energy – Houston

Sherry Miller, EPI President

Ben Miller, EPI Vice President and General Manager

P.O. Box 1558

2100 AVENCE O

EUNICE, NEW MEXICO 88231

TELEPHONE 505 • 394 • 3481 FAX 505 • 394 • 2601