

# ***ENVIRONMENTAL PLUS, INC.***

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## **Site Characterization and Work Plan**

**Legacy, L.P.  
LMPSU 1 CTB  
Lea County, New Mexico  
Unit Letter "O", Section 27, Township 22 South, Range 37 East  
Latitude 32.356572 North, Longitude 103.149062 West  
NMOCD Reference #1RP-4538**

Prepared For:

Legacy, L.P.  
P.O. Box 10848  
Midland, Texas 79702

Prepared By:

Environmental Plus, Inc.  
2100 Ave 'O'  
Eunice, NM 88231

**March 2017**

A handwritten signature in black ink, which appears to read 'Daniel Dominguez'. The signature is written in a cursive, flowing style.

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Daniel Dominguez  
Project Manager



The following *Site Characterization and Work Plan* serves as a condensed update on field activities undertaken and proposed actions for the afore referenced Site.

**Background:**

The site is located in Unit Letter O (SW ¼ SE ¼), Section 27, Township 22 South, Range 37 East, approximately five miles south-east of Eunice, in Lea County, New Mexico. The property is owned by Legacy.

The release site is located on an active lease road; latitude 32.356572 North, longitude 103.149062 West. Area Map, Site Location Map, and Sample/Site Map are included as Figure 1, Figure 2, and Figure 3, respectively. The Initial NMOCD Form C-141 indicated that on December 18, 2016 approximately 730 barrels of produced water was released when an injection line developed a leak releasing the fluid to lease road. A vacuum truck was dispatched to the site and recovered approximately 660 barrels, resulting in a net loss of 70 barrels of produced water. The visually stained area covers approximately 61,000 square feet of lease road. The Initial NMOCD Form C-141 is included as Attachment IV.

**NMOCD Site Classification:**

A search for water wells was completed utilizing the New Mexico Office of the State Engineer's (NMOSE) website. There are eleven wells located in the area surrounding the release site (reference *Table I*). Also, no wells (domestic, agriculture or public) and no bodies of surface water exist within a 1,000-foot radius of the release site (reference *Figure 2*). The NMOSE database indicates average water depth is approximately 59 feet below ground surface (bgs) within a 2,000-meter radius (reference *Attachment II*).

Utilizing this information, the NMOCD guidelines indicate the LMPSU 1 CTB release site to have a ranking score of ten. Based on this score, the NMOCD Recommended Remedial Action Levels (RRALs) for this Site were determined as follows: Benzene – 10 mg/Kg, BTEX – 50 mg/Kg, TPH – 1,000 mg/Kg, and Chloride – 500 mg/Kg.

The produced water flowed south off the tank battery pad and east down the lease road approximately 1,500 feet and approximately 600 feet down another lease road. This area is caliche.

**Delineation Progress:**

On December 21, 2016 and January 4-5, 2017 EPI personnel mobilized on site to collect soil samples to determine the vertical extent of contamination. A total of twenty-seven soil samples were collected from seven sample locations; SP1 – SP7. Seven representative samples, one from TD at each sample location, were sent to Cardinal Labs in Hobbs, New Mexico, for chloride testing. Laboratory analytical results indicate that the release area is void of Chloride concentrations more than NMOCD RRALs of 500 mg/Kg at depth of sample (reference *Figure 3* and *Table 2*).

On March 6, 2017 EPI personnel mobilized on site to collect soil samples to determine the horizontal extent of contamination. A total of thirty soil samples were collected from ten sample

locations; SPH1 – SPH10. Twenty representative samples, surface and TD samples from each sample location, were sent to Cardinal Labs in Hobbs, New Mexico, for chloride testing. Laboratory analytical results indicate that the area adjacent to the release area, horizontally, is void of Chloride concentrations more than NMOCD RRALs of 500 mg/Kg at surface and depth of samples (reference *Figure 3* and *Table 2*).

**Proposed Actions:**

Taking into consideration the release occurred on an active lease road and tank battery, and field chloride testing indicating chloride levels above NMOCD RRALs at SP2 and SP7 (reference *Table 2*), EPI proposes to excavate the entire release area to one foot bgs and then backfill with one foot of caliche to impede the further vertical migration of chloride impacts. Backfill soil will be free of deleterious material or rocks or large clumps.

Backfilling will continue until the entire excavation is closed. Upon completion of backfill activities, the entire disturbed area will be contoured to blend with existing lease road/tank battery and protected against wind/water erosion.

Following completion of NMOCD approved Proposed Actions, EPI will provide a detailed *Final Closure Report* to Legacy, L.P. and NMOCD personnel. Legacy, L.P. and EPI personnel would welcome an opportunity to briefly discuss the *Work Plan* at your earliest convenience.

Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. Steven Dittman at (432) 312-4757 or via e-mail at [sdittman@legacyp.com](mailto:sdittman@legacyp.com). All official communication should be addressed to:

Mr. Steven Dittman  
Legacy, L.P.  
P.O. Box 10848  
Midland, TX 79702

Sincerely,

ENVIRONMENTAL PLUS, INC.



Daniel Dominguez  
Environmental Consultant

cc: Olivia Yu, Environmental Specialist – NMOCD District 1, Hobbs  
Steven Dittman, Production Tech – Legacy, L.P.  
File

Encl.: Figure 1 – Area Map  
Figure 2 – Site Location Map  
Figure 3 – Sample/Site Map  
Table 1 – Well Data  
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results  
Attachment I – Photographs  
Attachment II – NMOSE Average Depth to Groundwater  
Attachment III – Laboratory Analytical Results  
Attachment IV – Copy of Initial NMOCD Form C-141

## FIGURES



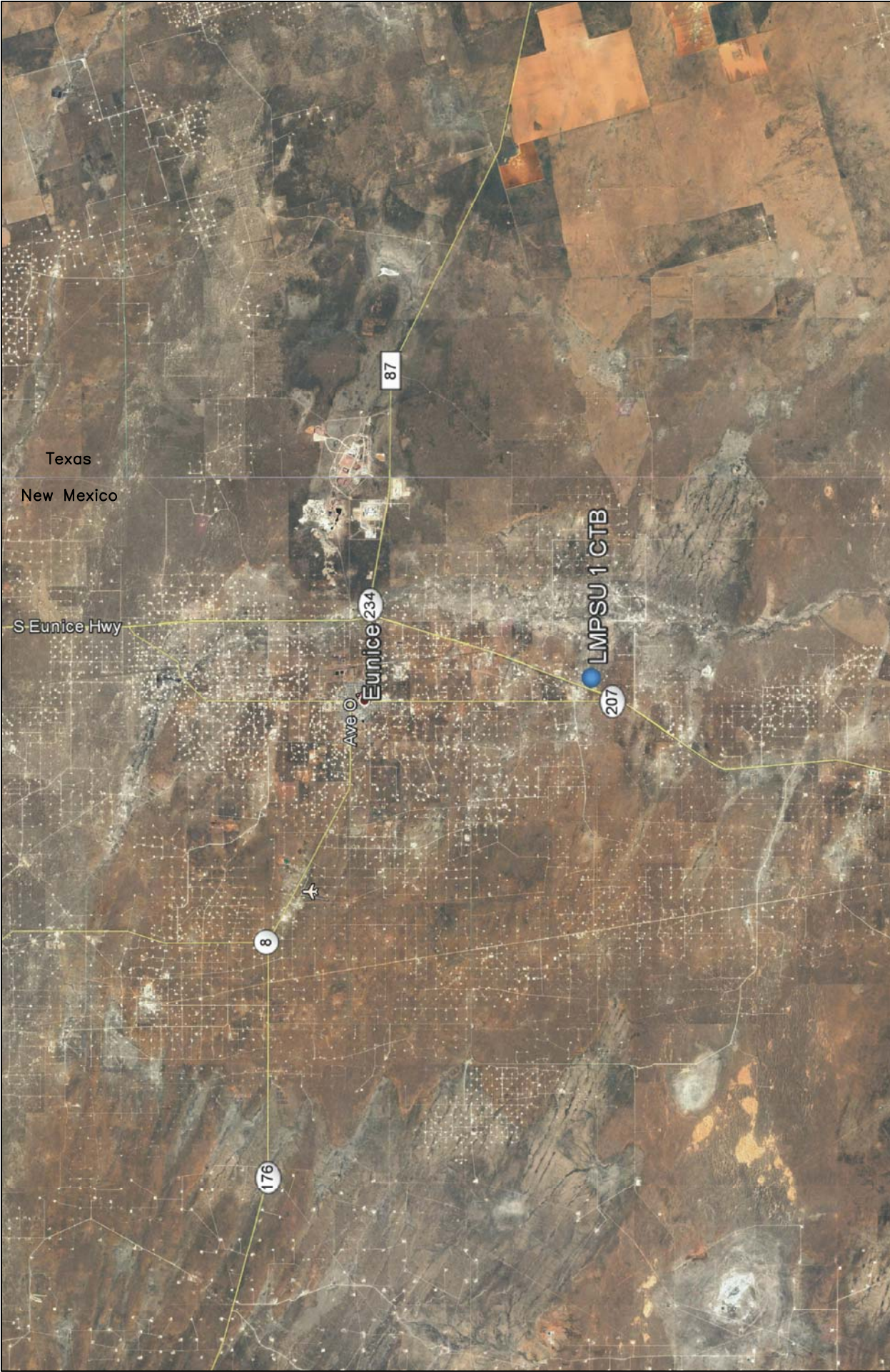


Figure 1 Area Map Legacy, L.P. LMPSU 1 CTB	Lea County, New Mexico SW 1/4 of SE 1/4, Sec. 27, T22S, R37E N 32° 21' 23.67" W 103° 08' 56.61" Elevation: 3,330 feet amsl	DWG By: D Dominguez December 2016	REVISED:		
		0 3 6 Miles		SHEET 1 of 1	



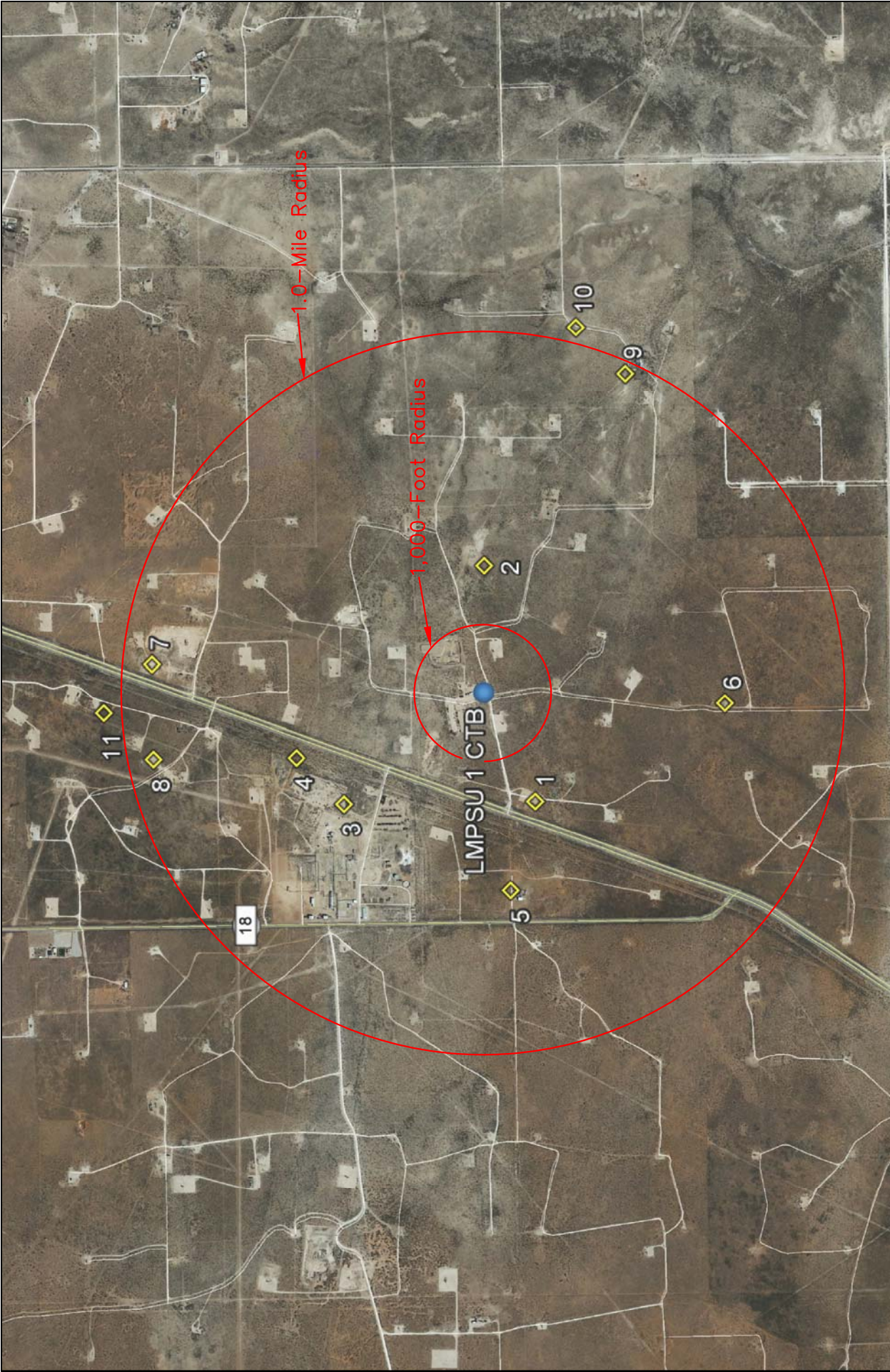


Figure 2 Site Location Map Legacy, L.P. LMPSU 1 CTB	Lea County, New Mexico SW 1/4 of SE 1/4, Sec. 27, T22S, R37E N 32° 21' 23.67" W 103° 08' 56.61" Elevation: 3,330 feet amsl		DWG By: D Dominguez December 2016		
	REVISED:		0	2,000	
	 Feet		4,000	SHEET 1 of 1	





LEGEND

X SP1 Sample Location

DWG By: D Dominguez  
December 2016

REVISED:  
March 2017

SHEET  
1 of 1

0 250 500 Feet

N

Lea County, New Mexico  
SW 1/4 of SE 1/4, Sec. 27, T22S, R37E  
N 32° 21' 23.67" W 103° 08' 56.61"  
Elevation: 3,330 feet amsl

Figure 3  
Sample/Site Map  
Legacy, L.P.  
LMPSU 1 CTB



## **TABLES**

TABLE 1

## Well Data

Legacy, L.P. - LMPSU 1 CTB

Ref #	Well Number	Use	Diversion <sup>A</sup>	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Distance <sup>B</sup>	Date Measured	Surface Elevation <sup>C</sup>	Depth to Water (ft bgs)
1	CP 00142	PLS	15	R.D. SIMS	1	2	1	34	22S	37E	673704	3581247	509	31-Dec-38	3,333	--
2	CP 00141	PDM	3	R.D. SIMS	4	4	4	27	22S	37E	674701	3581464	536	31-Dec-09	3,322	--
3	CP 00243	IND	32	VERSADO GAS PROCESSORS LLC	1	2	3	27	22S	37E	673690	3582051	752	17-Jan-02	3,335	54
4	CP 00009	IND	32	SKELLY OIL COMPANY	4	4	1	27	22S	37E	673883	3582253	835	17-Jan-02	3,340	52
5	CP 01157	DOM	1	BETHANY SKILES	1	1	1	34	22S	37E	673324	3581348	847	02-Apr-13	3,339	--
6	CP 00143	PLS	1	R.D. SIMS	1	1	4	34	22S	37E	674121	3580450	1,017	31-Dec-36	3,329	--
7	CP 00445	PRO	6.5	HAROLD E. JOHNSON	2	1	2	27	22S	37E	674277	3582863	1,401	--	3,340	--
8	CP 00384	PLS	5	WILLIAM E. JOHNSTON	2	2	1	27	22S	37E	673875	3582855	1,418	--	3,348	--
9	CP 00144	IRR	18	R.D. SIMS	2	4	1	35	22S	37E	675520	3580874	1,479	31-Dec-22	3,313	57
10	CP 00146	COM	5	R.D. SIMS	3	1	2	35	22S	37E	675715	3581083	1,597	31-Dec-48	3,318	67
11	CP 00382	PDL	5	WILLIAM E. JOHNSTON	3	3	4	22	22S	37E	674070	3583065	1,601	--	3,345	--

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.osc.state.nm.us:7001/iWATERS/wr\\_RegisServlet](http://iwaters.osc.state.nm.us:7001/iWATERS/wr_RegisServlet))<sup>A</sup> = In acre feet per annum<sup>B</sup> = In meters<sup>C</sup> = Elevation interpolated from USGS topographical map based on referenced location.

-- = Data not provided

PLS = Non 72-12-1 Livestock watering PRO = 72-12-1 Prospecting or development of a natural resource

PDM = Non 72-12-1 Domestic

IRR = Irrigation

IND = Industrial COM = Commercial

DOM = 72-12-1 Domestic one household PDL = Non 72-12-1 Domestic &amp; livestock

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

Shaded area indicates wells not shown in Figure 2



**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Legacy, L.P.**  
**LMPSU 1 CTB**

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	In Situ	21-Dec-16	--	4,000	--	--	--	--	--	--	--	--	--
	2	In Situ	04-Jan-17	--	320	--	--	--	--	--	--	--	--	--
	4	In Situ	04-Jan-17	--	480	--	--	--	--	--	--	--	--	368
SP2	Surface	In Situ	21-Dec-16	--	3,480	--	--	--	--	--	--	--	--	--
	2	In Situ	04-Jan-17	--	1,280	--	--	--	--	--	--	--	--	--
	4	In Situ	04-Jan-17	--	1,200	--	--	--	--	--	--	--	--	--
	6	In Situ	04-Jan-17	--	880	--	--	--	--	--	--	--	--	--
	8	In Situ	04-Jan-17	--	1,200	--	--	--	--	--	--	--	--	--
	10	In Situ	04-Jan-17	--	1,360	--	--	--	--	--	--	--	--	--
	12	In Situ	05-Jan-17	3.1	2,080	--	--	--	--	--	--	--	--	--
	18	In Situ	05-Jan-17	5.6	800	--	--	--	--	--	--	--	--	--
	22	In Situ	05-Jan-17	4.2	400	--	--	--	--	--	--	--	--	304
SP3	Surface	In Situ	21-Dec-16	--	2,400	--	--	--	--	--	--	--	--	--
	2	In Situ	04-Jan-17	--	400	--	--	--	--	--	--	--	--	--
	4	In Situ	04-Jan-17	--	400	--	--	--	--	--	--	--	--	496
SP4	Surface	In Situ	21-Dec-16	--	4,000	--	--	--	--	--	--	--	--	--
	2	In Situ	04-Jan-17	--	80	--	--	--	--	--	--	--	--	32

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Legacy, L.P.**  
**LMPSU 1 CTB**

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP5	Surface	In Situ	21-Dec-16	--	3,120	--	--	--	--	--	--	--	--	--
	2	In Situ	04-Jan-17	--	80	--	--	--	--	--	--	--	--	32
SP6	2	In Situ	04-Jan-17	--	80	--	--	--	--	--	--	--	--	--
	4	In Situ	04-Jan-17	--	320	--	--	--	--	--	--	--	--	224
SP7	2	In Situ	04-Jan-17	--	640	--	--	--	--	--	--	--	--	--
	4	In Situ	04-Jan-17	--	640	--	--	--	--	--	--	--	--	--
	6	In Situ	04-Jan-17	--	1,040	--	--	--	--	--	--	--	--	--
	8	In Situ	04-Jan-17	--	800	--	--	--	--	--	--	--	--	--
	10	In Situ	04-Jan-17	--	800	--	--	--	--	--	--	--	--	--
	14	In Situ	05-Jan-17	--	160	--	--	--	--	--	--	--	--	128
SPH1	Surface	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	64
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
SPH2	Surface	In Situ	06-Mar-17	0.1	80	--	--	--	--	--	--	--	--	16
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32



**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Legacy, L.P.**  
**LMPSU 1 CTB**

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SPH3	Surface	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	16
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.2	80	--	--	--	--	--	--	--	--	16
SPH4	Surface	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	16
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
SPH5	Surface	In Situ	06-Mar-17	0.1	80	--	--	--	--	--	--	--	--	16
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	16
SPH6	Surface	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
SPH7	Surface	In Situ	06-Mar-17	0.0	160	--	--	--	--	--	--	--	--	80
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
SPH8	Surface	In Situ	06-Mar-17	0.1	80	--	--	--	--	--	--	--	--	16
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	<16.0

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Legacy, L.P.**  
**LMPSU 1 CTB**

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SPH9	Surface	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
	1	In Situ	06-Mar-17	0.1	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	32
SPH10	Surface	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	16
	1	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	2	In Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	16
NMOCD Recommended Remedial Action Levels				100		10				50			1,000	500

-- = Not Analyzed  
**Red** values are in excess of NMOCD Recommended Remedial Action Levels



## **ATTACHMENTS**

**ATTACHMENT I**  
**Photographs**



Photograph #1- Point of release



Photograph #2- Looking across release area.





Photograph #3- Looking across release area.



Photograph #4- Looking across release area.



Photograph #5- Looking across release area.



Photograph #6- Looking across release area.





Photograph #7- Looking across release area.



Photograph #8- Looking across release area.



**ATTACHMENT II**  
**NMOSE Average Depth to Groundwater**



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 01177 POD1</a>		LE		2	2	4	04	23S	37E	674308	3581663	244	60	41	19
<a href="#">CP 00142 POD1</a>		LE		1	2	1	34	22S	37E	673704	3581247*	509	350		
<a href="#">CP 00141 POD1</a>		LE		4	4	4	27	22S	37E	674701	3581464*	536	41		
<a href="#">CP 00244 POD1</a>	CP	LE		4	3	3	27	22S	37E	673495	3581442*	669	150		
<a href="#">CP 00007 POD1</a>	CP	LE					27	22S	37E	673999	3582146*	699	182		
<a href="#">CP 00009 POD1</a>	CP	LE					27	22S	37E	673999	3582146*	699	150		
<a href="#">CP 00010 POD1</a>	CP	LE					27	22S	37E	673999	3582146*	699	135		
<a href="#">CP 00011 POD1</a>	CP	LE					27	22S	37E	673999	3582146*	699	148		
<a href="#">CP 00233 POD2</a>	CP	LE		1	2	3	27	22S	37E	673690	3582051*	752	90		
<a href="#">CP 00243 POD2</a>	CP	LE		1	2	3	27	22S	37E	673690	3582051*	752	90	54	36
<a href="#">CP 00232 POD1</a>	CP	LE		4	1	3	27	22S	37E	673488	3581844*	774	150		
<a href="#">CP 00233 POD1</a>	CP	LE		4	1	3	27	22S	37E	673488	3581844*	774	182		
<a href="#">CP 00009 POD2</a>	CP	LE		4	4	1	27	22S	37E	673883	3582253*	835	90	52	38
<a href="#">CP 00231 POD2</a>	CP	LE		4	4	1	27	22S	37E	673883	3582253*	835	97		
<a href="#">CP 01157 POD1</a>		LE		1	1	1	34	22S	37E	673325	3581348	847	143		
<a href="#">CP 00247 POD1</a>	CP	LE		1	3	3	27	22S	37E	673295	3581642*	886	100		
<a href="#">CP 00244 POD2</a>	CP	LE		3	4	1	27	22S	37E	673683	3582253*	922	87		
<a href="#">CP 00231 POD1</a>	CP	LE		3	1	3	27	22S	37E	673288	3581844*	954	145		
<a href="#">CP 00234 POD1</a>	CP	LE		3	1	3	27	22S	37E	673288	3581844*	954	135		
<a href="#">CP 00143 POD1</a>		LE		1	1	4	34	22S	37E	674121	3580450*	1017	140		
<a href="#">CP 00243 POD1</a>	CP	LE		3	3	1	27	22S	37E	673281	3582246*	1178	106		
<a href="#">CP 00747 POD1</a>	CP	LE				1	27	22S	37E	673583	3582548*	1227	410		
<a href="#">CP 00144 POD1</a>	CP	LE		2	4	1	35	22S	37E	675520	3580874*	1479	73	57	16
<a href="#">CP 00146 POD1</a>	CP	LE		3	1	2	35	22S	37E	675715	3581083*	1597	75	67	8
<a href="#">CP 00257 POD1</a>	CP	LE		3	3	3	22	22S	37E	673266	3583050*	1820	136		
<a href="#">CP 00561</a>		LE		3	3	3	34	22S	37E	673324	3579834*	1835	137	60	77

\*UTM location was derived from PLSS - see Help

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 00003 POD1</a>	CP		LE			4	22	22S	37E	674372	3583367*	1911	142	110	32
<a href="#">CP 00395 POD1</a>	CP		LE	4	2	3	28	22S	37E	672282	3581822*	1915	90		
<a href="#">CP 00911</a>			LE	4	4	4	21	22S	37E	673064	3583043*	1922	153		
<a href="#">CP 00545</a>			LE	3	2	2	35	22S	37E	676117	3581091*	1988	70	35	35
<a href="#">CP 00256 POD1</a>	R	CP	LE	1	3	3	22	22S	37E	673266	3583250*	1997	146		

Average Depth to Water: 59 feet

Minimum Depth: 35 feet

Maximum Depth: 110 feet

Record Count: 31

UTMNAD83 Radius Search (in meters):

Easting (X): 674164.28

Northing (Y): 3581466.38

Radius: 2000



**ATTACHMENT III**  
**Laboratory Analytical Results**

January 12, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: LMPSU 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/06/17 15:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	01/06/2017	Sampling Date:	01/04/2017
Reported:	01/12/2017	Sampling Type:	Soil
Project Name:	LMPUS 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-O SEC. 27, T22S, R37E		

**Sample ID: SP 1 (4') (H700051-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/09/2017	ND	416	104	400	0.00	

**Sample ID: SP 2 (22') (H700051-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/09/2017	ND	416	104	400	0.00	

**Sample ID: SP 3 (4') (H700051-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/09/2017	ND	416	104	400	0.00	

**Sample ID: SP 4 (2') (H700051-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/09/2017	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 01/06/2017  
Reported: 01/12/2017  
Project Name: LMPSU 1 CTB  
Project Number: NONE GIVEN  
Project Location: UL-O SEC. 27, T22S, R37E

Sampling Date: 01/04/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 (2') (H700051-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/09/2017	ND	416	104	400	0.00		

**Sample ID: SP 6 (4') (H700051-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/09/2017	ND	416	104	400	0.00	

**Sample ID: SP 7 (14') (H700051-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/09/2017	ND	400	100	400	3.92	QR-03

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Celey D. Keene, Lab Director/Quality Manager



### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager

# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Company Name		Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST																			
EPI Project Manager		Daniel Dominguez																							
Mailing Address		P.O. BOX 1558																							
City, State, Zip		Eunice New Mexico 88231																							
EPI Phone# / Fax#		575-394-3481 / 575-394-2601																							
Client Company		Legacy LP																							
Facility Name		LMPSU 1 CTB																							
Location		UL-O Sec. 27, T22S, R37E																							
Project Reference																									
EPI Sampler Name		David Robinson																							
LAB I.D.		SAMPLE I.D.																							
H100051																									
		(G)RAB OR (C)OMP.																							
		# CONTAINERS																							
		GROUND WATER																							
		WASTEWATER																							
		SOIL																							
		CRUDE OIL																							
		SLUDGE																							
		OTHER:																							
		ACID/BASE																							
		ICE/COOL																							
		OTHER																							
		DATE		TIME																					
1 SP1 (4')		G		1		04-Jan-17		7:40		BTEX 8021B		TPH 8015M		CHLORIDES (Cl <sup>-</sup> )		SULFATES (SO <sub>4</sub> <sup>2-</sup> )		pH		TCLP		OTHER >>>		PAH	
2 SP2 (22')		G		1		05-Jan-17		13:15																	
3 SP3 (4')		G		1		04-Jan-17		9:30																	
4 SP4 (2')		G		1		04-Jan-17		9:45																	
5 SP5 (2')		G		1		04-Jan-17		9:50																	
6 SP6 (4')		G		1		04-Jan-17		11:15																	
7 SP7 (14')		G		1		05-Jan-17		15:20																	
8																									
9																									
10																									

Notes: E-mail results to: ddominguezepi@gmail.com & ebarrientez@legacylp.com

NOTES:

Sampler Relinquished:

Relinquished by: David Robinson

Date 1/6/17 Time 6:00 am

Received By: [Signature]

Date 1/6/17 Time 3:44 pm

Received By: [Signature]

Date 1/6/17 Time 3:44 pm

Received By: [Signature]

Date 1/6/17 Time 3:44 pm

Received By: [Signature]

Delivered by:

#175 -2.30

Sample Cool & Intact Yes

Sample Cool & Intact No

Checked By: [Signature]

Sample Cool & Intact Yes

Sample Cool & Intact No

Checked By: [Signature]

Sample Cool & Intact Yes

Sample Cool & Intact No

March 09, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: LMPSU 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/07/17 15:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

 Received: 03/07/2017  
 Reported: 03/09/2017  
 Project Name: LMPSU 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: UL-O SEC. 27, T22S, R37E

 Sampling Date: 03/06/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SPH1 (SURFACE) (H700584-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/08/2017	ND	448	112	400	0.00	

**Sample ID: SPH1 (2') (H700584-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2017	ND	448	112	400	0.00	

**Sample ID: SPH2 (SURFACE) (H700584-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/08/2017	ND	448	112	400	0.00	

**Sample ID: SPH2 (2') (H700584-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2017	ND	448	112	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

 Received: 03/07/2017  
 Reported: 03/09/2017  
 Project Name: LMPSU 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: UL-O SEC. 27, T22S, R37E

 Sampling Date: 03/06/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SPH3 (SURFACE) (H700584-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/08/2017	ND	448	112	400	0.00		

**Sample ID: SPH3 (2') (H700584-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH4 (SURFACE) (H700584-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH4 (2') (H700584-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH5 (SURFACE) (H700584-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/09/2017	ND	480	120	400	3.39	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 03/07/2017  
Reported: 03/09/2017  
Project Name: LMPSU 1 CTB  
Project Number: NONE GIVEN  
Project Location: UL-O SEC. 27, T22S, R37E

Sampling Date: 03/06/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SPH5 (2') (H700584-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/09/2017	ND	480	120	400	3.39		

**Sample ID: SPH6 (SURFACE) (H700584-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH6 (2') (H700584-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH7 (SURFACE) (H700584-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH7 (2') (H700584-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 03/07/2017  
Reported: 03/09/2017  
Project Name: LMPSU 1 CTB  
Project Number: NONE GIVEN  
Project Location: UL-O SEC. 27, T22S, R37E

Sampling Date: 03/06/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SPH8 (SURFACE) (H700584-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH8 (2') (H700584-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH9 (SURFACE) (H700584-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH9 (2') (H700584-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

**Sample ID: SPH10 (SURFACE) (H700584-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/09/2017	ND	480	120	400	3.39	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 03/07/2017  
Reported: 03/09/2017  
Project Name: LMPSU 1 CTB  
Project Number: NONE GIVEN  
Project Location: UL-O SEC. 27, T22S, R37E

Sampling Date: 03/06/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SPH10 (2') (H700584-20)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	03/09/2017	ND	480	120	400	3.39	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

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---

Celey D. Keene, Lab Director/Quality Manager


# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Company Name		Environmental Plus, Inc.		 <p>Attn: Daniel Dominguez P.O. Box 1558 Eunice, NM 88231</p>		Bill To						ANALYSIS REQUEST																																	
EPI Project Manager		Daniel Dominguez																																											
Mailing Address		P.O. BOX 1558																																											
City, State, Zip		Eunice New Mexico 88231																																											
EPI Phone#/Fax#		575-394-3481 / 575-394-2601																																											
Client Company		Legacy LP																																											
Facility Name		LMPSU 1 CTB																																											
Location		UL-O Sec. 27, T22S, R37E																																											
Project Reference																																													
EPI Sampler Name		David Robinson																																											
LAB I.D.		SAMPLE I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUND WATER		WASTEWATER		SOIL		CRUDE OIL		SLUDGE		OTHER:		ACID/BASE		ICE/COOL		OTHER		DATE		TIME		BTX 8021B		TPH 8015M		CHLORIDES (Cl <sup>-</sup> )		SULFATES (SO <sub>4</sub> <sup>2-</sup> )		pH		TCLP		OTHER >>>		PAH	
1		SPH1 (Surface)		G		1		X				X														06-Mar-17		7:41						X											
2		SPH1 (2')		G		1		X				X														06-Mar-17		7:43						X											
3		SPH2 (Surface)		G		1		X				X														06-Mar-17		8:10						X											
4		SPH2 (2')		G		1		X				X														06-Mar-17		8:12						X											
5		SPH3 (Surface)		G		1		X				X														06-Mar-17		8:37						X											
6		SPH3 (2')		G		1		X				X														06-Mar-17		8:39						X											
7		SPH4 (Surface)		G		1		X				X														06-Mar-17		9:00						X											
8		SPH4 (2')		G		1		X				X														06-Mar-17		9:02						X											
9		SPH5 (Surface)		G		1		X				X														06-Mar-17		9:24						X											
10		SPH5 (2')		G		1		X				X														06-Mar-17		9:26						X											

E-mail results to: ddominguezepi@gmail.com & bboone.epi@gmail.com

NOTES:

Sampler Relinquished:

Date 3/7/17

Received By:

David Robinson

Date 6:00 am

Received By: (lab staff)

Date 3/7/17

Time 3:51 pm

Time 3:51 pm

Sample Cool & Intact

Yes

No

Checked By:

70. HXS

Delivered by:

-446



# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Bill To

ANALYSIS REQUEST



Attn: Daniel Dominguez

P.O. Box 1558  
Eunice, NM 88231

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company Legacy LP

Facility Name LMPSU 1 CTB

Location UL-O Sec. 27, T22S, R37E

Project Reference

EPI Sampler Name David Robinson

LAB I.D.

SAMPLE I.D.

H700584

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST							
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER		BTEX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>=</sup> )	pH	TCLP	OTHER >>>	PAH
11	SPH6 (Surface)	G	1			X					X		06-Mar-17	9:51		X					
12	SPH6 (2')	G	1			X					X		06-Mar-17	9:53		X					
13	SPH7 (Surface)	G	1			X					X		06-Mar-17	10:14		X					
14	SPH7 (2')	G	1			X					X		06-Mar-17	10:16		X					
15	SPH8 (Surface)	G	1			X					X		06-Mar-17	10:45		X					
16	SPH8 (2')	G	1			X					X		06-Mar-17	10:47		X					
17	SPH9 (Surface)	G	1			X					X		06-Mar-17	11:10		X					
18	SPH9 (2')	G	1			X					X		06-Mar-17	11:12		X					
19	SPH10 (Surface)	G	1			X					X		06-Mar-17	11:35		X					
20	SPH10 (2')	G	1			X					X		06-Mar-17	11:37		X					

E-mail results to: ddominguezepi@gmail.com & bboone.epi@gmail.com

NOTES:

Date 3/7/17

Received By: David Robinson

Time 6:00 am

Received By: Yab staff

Date 3/7/17

Time 3:53 pm

Checked By: [Signature]

Relinquished by: [Signature]

Sample Cool & Intact Yes

Checked By: [Signature]

Delivered by: [Signature]

**ATTACHMENT IV**  
**Copy of Initial NMOCD Form C-141**

# NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 27 2016

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141  
Revised August 8, 2011

## Release Notification and Corrective Action

OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: Legacy, L.P.	Contact: Ernest Barrientez
Address: P.O. Box 10848 Midland, TX 79702	Telephone No. 432-853-0633
Facility Name: LMPSU 1 CTB	Facility Type: Injection Line

Surface Owner: Legacy	Mineral Owner:	API No.
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### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	27	22S	37E					Lea

Latitude: N 32.356572° Longitude: W 103.149062°

### NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 730 barrels	Volume Recovered: 660 barrels
Source of Release: injection line failed	Date and Hour of Occurrence: 12/18/16 @ unknown	Date and Hour of Discovery: 12/18/16 @ unknown 9:15 Am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kristen Lynch, Tomas Oberding, OCD	
By Whom? Legacy	Date and Hour: 12/18/16	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

If a Watercourse was Impacted, Describe Fully.\* Not Applicable

Describe Cause of Problem and Remedial Action Taken.\*

An injection line developed a leak releasing fluid to lease road. A vacuum truck was dispatched to collect standing fluid.

Describe Area Affected and Cleanup Action Taken.\*

Vacuum trucks were called to the location and was able to recover 660 barrels of the fluid from lease road and pasture. Surface contamination will be scraped up and samples will be collected from release area.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Ernest Barrientez	OIL CONSERVATION DIVISION	
Printed Name: Ernest Barrientez	Approved by Environmental Specialist: [Signature]	
Title: Production Foreman	Approval Date: 12/30/16	Expiration Date: N/A
E-mail Address: ebarrientez@legacyp.com	Conditions of Approval:	
Date: Dec. 22, 2016 Phone: 432-853-0633	delineation is needed before site ranking can be assessed	Attached <input checked="" type="checkbox"/> COA's attached IRP-4538

\* Attach Additional Sheets If Necessary