ENVIRONMENTAL PLUS, INC.

2100 Ave 'O' P.O. Box 1558 Eunice, NM 88231 ddominguezepi@gmail.com Office: (575) 394-3481 Fax: (575) 394-2601



APPROVED By Olivia Yu at 9:03 am, May 15, 2017

Final Closure Report

NMOCD approves 1RP-3901 for closure. Like approval from NMSLO required.

Vanguard Nowata AGR State #1 Lea County, New Mexico Unit Letter "P", Section 9, Township 18 South, Range 35 East Latitude 32.7573739 North, Longitude 103.4571457 West NMOCD Reference #1RP-3901

Prepared For:

Vanguard 4001 Penbrook, Suite 201 Odessa, Texas 79762

Prepared By:

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

April 2017

Daniel Dominguez Project Manager



The following *Final Closure Report* serves as a condensed update on field activities undertaken for the afore referenced Site.

Background:

The site is located in Unit Letter P (SE ¹/₄ SE ¹/₄), Section 9, Township 18 South, Range 35 East, approximately twenty-four miles north-west of Hobbs, in Lea County, New Mexico. The property is owned by the State of New Mexico.

The release site is located in the pasture south of an active tank battery and flow line; latitude 32.7573739 North, longitude 103.4571457 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 indicates that on August 28, 2015 a flowline ruptured causing a release of approximately 45bbls of produced water. A vacuum truck was utilized to recover approximately 20bbls of produced water, resulting in a net loss of 25 barrels. A second, historical, release area was also included, via NMOCD approval, with this RP (reference *Attachment V*). The visually affected areas total approximately 22,000 square feet. The Initial NMOCD Form C-141 is included as Attachment VI.

At the time of the Nowata AGR State #1 release, the location was owned by LRE Operating, Inc. (LRE). Talon LPE was contracted by LRE to delineate the release area documented in the Initial C-141, 1RP-3901. A Work Plan was written by Talon LPE and approved by the NMOCD. The first four pages of the approved Work Plan, documenting Talon LPE delineation findings and proposed actions, are included as Attachment IV. LRE subsequently sold the location to Vanguard Operating, LLC (Vanguard). After the sale and purchase of the location, Environmental Plus, Inc. (EPI) was contracted by Vanguard to continue delineation and remediation efforts at the location. It was at this time the historic release area was included with 1RP-3901 (reference *Attachment V*).

NMOCD Site Classification:

A search for water wells was completed utilizing the New Mexico Office of the State Engineer's (NMOSE) website. There are seven wells located in the area surrounding the release site (reference *Table 1*). 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*). One well, L 10304, located only forty meters from the release area, has a reported depth to water of 72 feet below ground surface (bgs) and Use reference of PRO (Prospecting or development of a natural resource). However, based on the Form C-105 associated with the well API No. for the Nowata AGR State #1, included in Attachment II, is evidence that well L 10304 is the Nowata AGR State #1 and it's easting and northing references are slightly off. The NMOSE database indicates average water depth is approximately 64 feet bgs within a 2,000-meter radius (reference *Table 1, and Attachment II*).

Utilizing this information, the NMOCD guidelines indicate the Nowata AGR State #1 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-east from the tank battery into pasture covering an area approximately 320×150 feet. The historic release area is adjacent the release area to the east, covering an area approximately 60×110 feet. The area consists of approximately two - four feet of loamy topsoil atop a hard caliche layer.

Delineation Activities:

On May 31, 2016 EPI personnel mobilized on site to collect soil samples to determine the vertical extent of contamination at the historic release area. A total of seven soil samples were collected from two sample locations; SP1 – SP2. All seven soil samples were field tested for organic vapors and chlorides. Field testing indicates elevated readings for organic vapors and chlorides between surface and two to three feet bgs. Two representative soil samples were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate Benzene, BTEX, TPH, and Chloride concentrations are below NMOCD RRALs at sample location TD (reference *Figure 3* and *Table 2*).

Portions of select soil samples were field tested for organic vapors and chloride concentrations. Soil samples collected for field testing of organic vapors were placed in self-sealing polyethylene bags and allowed to equilibrate to ~70° F. Field testing of organic vapors utilized a Mini-RaeTM Photoionization Detector (PID) equipped with a 10.6 electron-volt (eV) calibrated for benzene response. Chloride concentrations were determined via use of a LaMotte Chloride Kit (Titration Method).

Soil samples designated for laboratory analyses were collected into laboratory provided glass containers, labeled and inserted into self-sealing polyethylene bags, placed in a cooler, chilled and transported to an independent laboratory for quantification of contaminant concentrations under Chain-of-Custody protocol.

On December 8, 2016 EPI personnel were on site to collect soil samples from the side walls of the excavation. A total of ten soil samples were collected from nine side wall sample locations, with one confirmation sample collected from the excavation floor at the area of sample S-1. All ten samples were sent to Cardinal labs for Chloride testing. Laboratory analytical results indicate that eight of the ten the side wall samples were below NMOCD RRALs, while two side wall samples, SP7 and SP9 were above NMOCD RRALs for Chloride (reference *Figure 3* and *Table 2*). These two areas were excavated and then resampled on December 20, 2016; both samples were sent to the lab for Chloride testing. Laboratory analytical data indicates Chloride concentrations are below NMOCD RRALs for Chloride (reference *Figure 3* and *Table 2*).

Completed Actions:

Based on Talon LPE proposal, field testing, laboratory analytical data, and NMOCD approval, EPI excavated the release area around S-1 to four feet bgs, S-2 to four feet bgs, S-3 to two and half feet bgs, and the historic release area to three feet bgs. Approximately 1,176 cubic yards of contaminated soil were hauled to state approved facility for disposal. A 20-mil poly-ethylene liner was installed over the area of S-2, and the excavation was then backfilled with approximately 1,176 cubic yards of clean soil.



Caliche and top soil were free of deleterious material or rocks or large clumps. Backfilling continued until the excavation was closed. Upon completion of backfill activities, the disturbed area was contoured to blend with existing pasture area and protected against wind/water erosion. The entire disturbed area will also be seeded and watered.

Revegetation Plan:

In an attempt to achieve native plant cover and diversity levels equal to or exceeding the natural potential levels in undisturbed soils adjacent to the release area, the disturbed pasture area will be seeded with BLM mixture #2 at a rate of 22 lbs per acre. Seed will be applied to the area utilizing a drill seeder in late spring 2017 when ground conditions are more conducive to vegetative growth. After seeding has been competed the area will be thoroughly watered. After a period of three months the area will be examined for vegetative growth and re-seeded if no growth has occurred.

Noxious Weed Management Plan:

In an effort to prevent the spread of noxious weeds such as African Rue, Siberian Elm, Jointed Goatgrass, Russian Olive, Camelthorn, Saltcedar, Starthistle varieties, Hoary Cress and Russian Knapweed, the area will be confirmed to be clear of any noxious weeds. If any are located they will be removed by hand and the area treated with an appropriate herbicide. Applied seed mix will contain no primary or secondary noxious weeds and will either be certified or registered seed. After a period of three months the area will be examined for noxious weed growth and retreated if any growth has occurred.

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 or Mr. Chuck Johnston at (432) 202-4771 or via e-mail at cjohnston@vnrllc.com. All official communication should be addressed to:

Mr. Chuck Johnston Vanguard 4001 Penbrook, Suite 2001 Odessa, Texas 79762

Sincerely,

ENVIRONMENTAL PLUS, INC.

Sail Som

Daniel Dominguez Environmental Consultant



- cc: Olivia Yu, Environmental Specialist NMOCD District 1, Hobbs, NM Amber Groves, Remediation Specialist – NMSLO, Hobbs, NM Chuck Johnston, EHS – Vanguard 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 Cop of NMOCD Form C-105, NMOSE Average Depth to Groundwater
 Attachment III Laboratory Analytical Results
 Attachment IV Pages 1-4 of NMOCD Approved Talon LPE Work Plan
 Attachment VI Copy of Initial NMOCD Form C-141, Final NMOCD Form C-141

FIGURES







TABLES

TABLE 1

Well Data

Vanguard - Nowata AGR State #1

Ref#	Well Number	Use	Diversion ^A	Owner	q64	q16	q4 S	iec Tw	sp Rn	g Easting	Northing	Distance ^B	Date Measured	Surface Elevation ^C	Depth to Water
			_												(ft bgs)
1	L 10304	PRO	0	YATES PETROLEUM	1	4	4	9 18	S 351	E 644526	3625479	40	01-Feb-93	3,933	72
2	L 02675	IND	8330	INTREPID MINING NM LLC		1	2	16 18	S 351	3 644231	3624972	551	15-Jan-57	3,932	09
3	L 06047	STK	3	SCHARBAUER CATTLE COMPANY	2	2	-	16 18	S 351	E 643927	3625066	704	26-Sep-66	3,935	65
4	L 02675	IND	8330	U.S. BANK NATIONAL ASSOCIATION		Э	2	15 18	S 351	3 645850	3624587	1,575	17-Oct-56	3,907	47
5	L 04206	PRO	0	JOHNN DRILLING CO		Э	4	4 18	S 351	3 644194	3626992	1,587	09-Jul-59	3,941	50
9	L 07872	PRO	0	ENERGY RESERVES GROUP INC	1	З	3	3 18	S 351	E 644900	3627101	1,703	07-Apr-78	3,937	62
7	L 09588	PRO	0	W. C. BLANKS	4	3	4	16 18	S 351	3 644349	3623659	1,788	28-Nov-84	3,919	84

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)

 $^{\rm C}$ = Elevation interpolated from USGS topographical map based on referenced location B = In meters A = In acre feet per annum

PRO = 72-12-1 Prospecting or development of Natural Resource

IND = Industrial STK = 72-12-1 Livestock watering quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest -- = Data not provided on the NM iwaters website

TABLE 2 Summary of Soil Sample Field Testing and Laboratory Analytical Results Vanguard Nowata AGR State #1

Chloride (mg/Kg)	1	1	464	1	1	1	112	336	144	416	192	224	144
Total TPH (mg/Kg)	-	1	<20.0	1		1	412	1			-	-	ł
DRO C10-C28 (mg/Kg)	-	ł	<10.0	ł	ł	ł	412	1	1	1	1	1	;
GRO C6-C10 (mg/Kg)	1	1	<10.0	1	ł	1	<10.0	-	1	1	1	1	1
Total BTEX (mg/Kg)	1	ł	<0.300	1	ł	ł	<0.300	-	1	1	1	1	1
Total Xylenes (mg/Kg)	-	ł	<0.150	1	ł	ł	<0.150	1	:	-	ł	1	1
Ethylbenzene (mg/Kg)	1	1	<0.050	1	1	1	0.060	:	1	:	;	;	;
Toluene (mg/Kg)		ł	<0.050	1		1	<0.050	1			1	1	+
Benzene (mg/Kg)	-	1	<0.050	1	1	1	<0.050	1	1	-	1	1	1
Field Chloride (mg/Kg)	1,800	1,600	400	1,800	3,200	560	400	400	160	320	160	320	160
PID Reading (ppm)	20.2	10.1	6.4	22.5	10.6	102.2	120.0	-	1	1	1	1	1
Sample Date	31-May-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16						
Soil Status	Excavated	In-Situ	In-Situ	In-Situ	In-Situ	In-Situ	In-Situ						
Depth (feet)	Surface	1	2	Surface	1	2	3	4	2	2	2	2	5
Lab Sample ID		SP1				212		SP1	SP2	SP3	SP4	SP5	SP6

TABLE 2	Summary of Soil Sample Field Testing and Laboratory Analytical Result	Vanguard
---------	---	----------

	Chloride (mg/Kg)	260	160	272	1,440	320	304	500	
	Total TPH (mg/Kg)				-			1,000	
	DRO C10-C28 (mg/Kg)		-		-				
	GRO C6-C10 (mg/Kg)		-		1				
	Total BTEX (mg/Kg)				-			50	
	Total Xylenes (mg/Kg)		-		-				
ite #1	Ethylbenzene (mg/Kg)					-	-		
a anguaru a AGR Sta	Toluene (mg/Kg)				1				
Nowat	Benzene (mg/Kg)		-	-	1	-		10	
	Field Chloride (mg/Kg)	400		240	400		320		
	PID Reading (ppm)		-	-	-			100	
	Sample Date	08-Dec-16	20-Dec-16	08-Dec-16	08-Dec-16	20-Dec-16	08-Dec-16	dial Action	
	Soil Status	Excavated	In-Situ	In-Situ	Excavated	In-Situ	In-Situ	evels	
	Depth (feet)	2	2	2	2	2	2	Recomme L	pa.
	Lab Sample ID	CD7	/ 10	SP8	CDO	6.10	SP10	NMOCD I	Not Analyz

- - = Not Analyzea Bold values are in excess of NMOCD Recommended Remedial Action Levels Shaded values indicates soil has been excavated

ATTACHMENTS

ATTACHMENT I Photographs



Photograph #1- Lease sign



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 historic release area



Photograph #8 – Looking across historic release area



Photograph #9- Looking across excavation



Photograph #10- Looking across excavation



Photograph #11- Looking across excavation



Photograph #12- Looking across excavation with padding for liner



Photograph #13 – Looking across excavation with liner installed



Photograph #14 – Looking across excavation with liner installed



Photograph #15- Looking across historical release area excavation



Photograph #16- Padding layer atop liner and backfilling begins



Photograph #17- Backfilled



Photograph #18- Backfilled



Photograph #19 – Backfilled



Photograph #20 – Backfilled

ATTACHMENT II Copy of NMOCD Form C-105 NMOSE Average Depth to Groundwater

-									1
Submit to Appropriate District Office State Lease – 6 copies	E	S inergy, Minerals	State of New s and Natura	v Mexico al Resourc	es Departm	ent			Form C-105 Revised 1-1-89
Fee Lease - 5 copies DISTRICT I P.O. Box 1980, Hobbs, N	IM 88240	DIL CONS	ERVAT	TION D	IVISIO	N W	ell api no. 30-02	5-31244	~
DISTRICT II P.O. Drawer DD, Artesia	.NM 88210	Santa Fe,	New Mex	ico 8750	4-2088	5.	. Indicate Typ	e of Lease STAT	EX FEE
DISTRICT III 1000 Rio Brazos Rd., Az	tec. NM 87410					6	State Oil & E-765	Gas Lease No.	
WELLO									
1a. Type of Well:					01000	7	. Lease Name	or Unit Agree	ment Name
OIL WELL X	GAS WELL		OTHER					•	•.
b. Type of Completion: NEW WORK WELL X OVER			DIFP RESVR OT	HER			Nowat	a AGR St	ate
2. Name of Operator				•••••••		8	. Well No.		
YATES PETROL	EUM CORPORAT	TION	(505	5) 748-1	.471		L Bool and a	- Wildool	
105 South 4th	St., Artesi	a. NM 882	10	·		W	ildcat H	Bone Spri	ings
4. Well Location	86	D	<u>+0</u>			990		Jone opri	
Unit Letter	<u>P_: 660</u>	_ Feet From The _	South		Line and	660-	Feet Fr	om The <u>Ea</u>	st Line
P aratian	0	m	00	D .	255			_	
10 Date Sounded	J	1 12 Date Co	ob <u>Readu</u>	Range	JJE	NM	PM	Lea	County
2-2-93	3-21-93	4-	-26–93	01700.)	392	20' GR	. KKB, KI, GK	(, ɛ ic.) 14.	Elev. Casinghead
15. Total Depth	16. Plug Back	T.D.	17. If Multiple	Compl. How	/ 18.1	ntervals	Rotary Tool	lCi	able Tools
10910'	1025	3'				лиеа ву	0-1091	0'	
19. Producing Interval(s),	of this completion - '	Fop, Bottom, Name	1				2	0. Was Directio	onal Survey Made
21 Type Flectric and Oth	Bone Spri	ngs					22 W Wa	NO Il Cond	
CNL/LDT: DLL:	LSS						No		
23.		CASING R	FCORD	Report	11 strings	cet in u	(ell)		
CASING SIZE	WEIGHT LB.	FT. DEPI	TH SET	HOLE	SIZE	CEM	ENTING RI	ECORD	AMOUNT PULLED
20"		40	1	26"		Red	diMix		
$\frac{13-3/8''}{9-5/8''}$	<u> </u>	450	201	17	<u>11</u>	550	0 <u>sx - c</u>	<u>irculate</u>	<u>å</u>
7"	26#	100	910'	$\frac{127}{8-3}$	/4"	1400	0 sx - c	<u>irculate</u>	<u>a</u>
				Ÿ₹		DV to	ols @ 91	<u>02',</u> 763	7'
24.		LINER RECO	RD			25.	TU	BING RECO	ORD
SIZE	ТОР	BOTTOM	SACKS CE	MENT	SCREEN		SIZE	DEPTH S	ET PACKER SET
							//0	8191.	0199
26. Perforation reco	rd (interval, size,	and number)	1	1 [n. ACID,	SHOT, F	RACTURE	, CEMENT	, SQUEEZE, ETC.
					DEPTH INTE	RVAL	AMOUT	TT AND KINT	D MATERIAL USED
8282-8290' w/:	32 42" Ho	les (4 SPF))	_8	<u>282–829(</u>	<u>)'</u>	w/2000	g. 20% a	cid.
			PRODU				l		
Date First Production	Pi	roduction Method (I	Flowing, gas li	ift, pumping -	Size and type	рытр)		Well Status	(Prod. or Shut-in)
4-2-93		F1	owing					Produc	ing
Date of Test	Hours Tested	Choke Size	Prod'n Fo Test Perio	or Oil⊣ od	- Вы. 230 І	Gas - MC	∑F ¥4 /∩ I	/ater - Bbl.	Gas - Oil Ratio 730
Flow Tubing Press.	Casing Pressure	Calculated 24	- Oil - Bbl	•	Gas - MCF	Ya	er - BbL	Oil Gravit	y - API - (Corr.)
850	Pkr	Hour Rate	230	ł	170	1	0	35	0
29. Disposition of Gas (So	old, used for fuel, ven	ied, eic.)					Tes Wi Rock	i tnessed By y Harper	
30. List Attachments				_					
Deviation Sur	vey, Logs, D	ST's							
31. I hereby certify that	the information sh	own on both side	s of this form	n is true and	complete to	the best o	of my knowle	dge and belie	f
	· 8	11	Printed_	•, -			. .		1 20 02
Signature 14	rula Las	alist	Name Jua	nita Go	odlett	Titl	eProduct	10n Supv	<u>r</u> Date <u>4-28-93</u>

L

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, rue vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Rustler_Southeastern New Mexico

Northwestern New Mexico

Rustler-			T Olo Alamo	T. Penn. "B"	
T. Anhy	1770_	- T. Canyon	T. Vieland-Emitland	T. Penn. "C"	
T. Salt		_ T. Strawn	I. Killand-Hulland		
B. Salt		_ T. Atoka	I. Fictured Child	T. Leadville	
T. Yates	3246	_ T. Miss	I. Chill House	T Madison	
T. 7 Rivers		_ T. Devonian	I. Menelee	T Flbert	
T. Oueen	4424	_ T. Silurian	T. Point Lookout	T McCracken	
T. Grayburg		_ T. Montoya	T. Mancos	T Ignacio Otzte	
T. San Andres	5056	_ T. Simpson	1. Gallup	T. Granite	
T. Glorieta		_ T. McKee	Base Greenhorn	T	
T. Paddock		_ T. Ellenburger	I. Dakota	T	
T. Blinebry		_ T. Gr. Wash	I. Montson	T	
T. Tubb		_ T. Delaware Sand <u>62</u>	<u>.30</u> 1. Todito	T	
T. Drinkard		_ T. Bone Springs 66	1. Enuada	тт	
T. Abo		_ T. <u>1st Bone Spr 79</u>	1. wingate	Тт	
T. Wolfcamp	10060	_ T. <u>2nd Bone Spr 84</u>	13 1. Chinie	T	
T. Penn Shale	10724	_ T. <u>3rd Bone Spr 94</u>	<u>.98</u> 1. Permain	T	
T. Cisco (Bough C)		_ T	T. Penn "A"	A	

OIL OR GAS SANDS OR ZONES

NI- 1 from 10	No. 3, Irom
No. 1, from	No 4 from
No. 2 from	10. 4, 10.

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....feet..... No. 2, from......feet.

No. 3, from.....feet.

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness	Lithology	From	То	Thickness in Feet	Lithology
0 40 450 3040 4140 4200 4440 5320 5610 5680 6140 6380 6620 6880 7520 7780 7850 8140 8268 8400	40 450 3040 4140 4200 4440 5320 5610 5680 6140 6380 6620 6880 7520 7780 7850 8140 8268 8400 8660	in Feet 40 410 2590 1100 60 240 880 290 70 460 240 240 240 240 240 240 260 640 260 70 290 128 132 260	Surface Redbeds, Anhy Anhy, Salt Anhy, Dolo Anhy, Dolo, SS Anhy, Dolo, SS Anhy, Dolo, SS Dolo, SS Cht, Dolo Dolo, SS Cht, Dolo, SS Cht, Dolo, SS, Sh SS, Dolo, Sh, LS LS LS LS, Sh, Cht Cht, LS, Sh Dolo, Cht, LS, SS LS, Cht, Sh Dolo Dolo, SS	8660 8750 9220 9420 9720 10420	8750 9220 9420 9720 10420 10910	90 470 200 300 700 490	SS, Cht, LS, Dolo Dolo, SS, LS, Cht Dolo, Cht, Sh, LS Cht, dolo, SS, Sh Cht, Dolo, LS, Sh Cht, Dolo, Sh Kare Star (Chiese 93



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	,	(qua	rter	's a	ire 1:	=NW :	2=NE 3	S=SW 4=	SE)	D83 LITM in me	tors)	(In feet)	
water right me.)	POD Sub-		Q Q	Q	Q		manes		<u>jesi</u>)		Dos o nivi in me		Depth	Depth	Water
POD Number	Code basin C	ount	y 64	16	4	Sec	Tws	Rng		X	Y	Distance	Well	Water	Column
L 10304	L	LE	1	4	4	09	18S	35E	64452	26	3625479* 🍯	40	170	72	98
L 02676	L	LE		1	2	16	18S	35E	64423	31	3624972* 🌍	551	175	60	115
L 06047	L	LE	2	2	1	16	18S	35E	64392	27	3625066* 🌍	704	122	65	57
L 02675	L	LE		3	2	15	18S	35E	64585	50	3624587* 🌍	1575	197	47	150
L 04206	L	LE		3	4	04	18S	35E	64419	94	3626992* 🌍	1587	125	50	75
L 07872	L	LE	1	3	3	03	18S	35E	64490	00	3627101* 🌍	1703	162	62	100
L 09588	L	LE	4	3	4	16	18S	35E	64434	49	3623659* 🌍	1788	155	84	71
											Averaç	ge Depth to	Water:	62	feet
												Minimum	Depth:	47	feet
												Maximum	Depth:	84	feet
				_											

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 644525

Northing (Y): 3625439

Radius: 2000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

ATTACHMENT III Laboratory Analytical Results



December 15, 2016

Daniel Dominguez Environmental Plus, Inc. P.O. Box 1558

Eunice, NM 88231

RE: NOWATA AGR STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 12/08/16 15:40.

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/08/2016	Sampling Date:	12/08/2016
Reported:	12/15/2016	Sampling Type:	Soil
Project Name:	NOWATA AGR STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-P SEC. 9, T18S, R35E		

Sample ID: SP 1 (4') (H602750-01)

Chloride, SM4500Cl-B	mg/l	kg	Analyzed	By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 2 (2') (H602750-02)

Chloride, SM4500Cl-B	e, SM4500Cl-B mg/kg		Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 3 (2') (H602750-03)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 4 (2') (H602750-04)

Chloride, SM4500Cl-B	mg/l	g	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/13/2016	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/08/2016	Sampling Date:	12/08/2016
Reported:	12/15/2016	Sampling Type:	Soil
Project Name:	NOWATA AGR STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-P SEC. 9, T18S, R35E		

Sample ID: SP 5 (2') (H602750-05)

Chloride, SM4500Cl-B	mg/k	g	Analyzed	By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 6 (2') (H602750-06)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 7 (2') (H602750-07)

Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 8 (2') (H602750-08)

Chloride, SM4500Cl-B	mg/l	(g	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/13/2016	ND	400	100	400	3.92	

Sample ID: SP 9 (2') (H602750-09)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	12/13/2016	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Loadaratories.

Celez D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/08/2016	Sampling Date:	12/08/2016
Reported:	12/15/2016	Sampling Type:	Soil
Project Name:	NOWATA AGR STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-P SEC. 9, T18S, R35E		

Sample ID: SP 10 (2') (H602750-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/13/2016	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whot limitation, business interruptors, loss of growths incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside if 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 SM4500CI-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

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Son 1558, Eunice, MM 88231 Chain of Custody Form NATE: Daniel Dominguez PO. Box 1558, Eunice, NM 88231 Cardinal MATRIX PRESERV. PO. Box 1558, Eunice, NM 88231 Eunice, NM 8231 Eunice, NM 8231 Eunice, NM 8231 Eunice, 16 Citel Colspan="2" <		Delivered by: #15 0.12 Sample cool & Int	Relinquished by:	Sämpler Relipquished:	10 SP10 (2') G 1	9 SP9 (2') G 1	8 SP8 (2') G 1	7 SP7 (2') G 1	6 SP6 (2') G 1	5 SP5 (2') G 1	4 SP4 (2') G 1	3 SP3 (2') G 1	2 SP2 (2') G 1	1 SP1 (4') G 1	LAB I.D. SAMPLE I.D. (G)RAB OR (C)OM	Ρ.	EPI Sampler Name Dustin Crockett	Project Reference	Location UL- P Sec. 9, T18S, R35E	Facility Name Nowata AGR State #1	Client Company Vanguard	EPI Phone#/Fax# 575-394-3481 / 575-394-260	City, State, Zip Eunice New Mexico 88231	Mailing Address P.O. BOX 1558	EPI Project Manager Daniel Dominguez	Company Name Environmental Plus, Inc.	(575) 394-3481 FAX: (575) 394-2601	2100 Avenue O, Eunice, NM 88231 P.O. E	Environmental Plus, Inc.
Chain of Clustody Forr Intro Antr: Daniel Dominguez P.O. Box 1568 Eunice, NM 88231 PRESERV SAMPLING ALT: Daniel Dominguez P.O. Box 1568 Eunice, NM 88231 ACID/BASE Eunice, NM 88231 ACID/BASE DATE TIME DATE TOTHER SULFATES (SO(a) PAH OTHER DATE		act	By: (lab star	>* 											GROUND WATER WASTEWATER	I						Z						lox 1558	
Chain of Custody For Intermediation of Custody For Attn: Daniel Dominguez P.O. Box 1668 Ennice, NM 88231 Ennice, NM 88231 Intermediation of Custody For Attn: Daniel Dominguez P.O. Box 1668 Ennice, NM 88231 Ennice, NM 88231 Intermediation of Custody For Attn: Daniel Dominguez P.O. Box 1668 Ennice, NM 88231 Intermediation of Date TIME Ennice in Cicle X 08-Dec-16 X OB-Dec-16 X OB-Dec-16 X OB-Dec-16 X OB-Dec-16 X OB-Dec-16 X O THER X O THER <t< td=""><td>0</td><td>5</td><td>SI.</td><td></td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td></td><td>MATR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Eur</td><td></td></t<>	0	5	SI.		×	×	×	×	×	×	×	×	×	×		MATR												Eur	
Image: Mining and the second		Theck	A		F	⊢	\vdash	\vdash	\vdash			-		-	SLUDGE	- ×												nice,	
Bill To Andros Custody Formation Image: Bill To Analysis Image: Bill To Sampling Image: Bill To Sampling Image: Bill To Sampling Image: Bill To Bill To Image: Bill To Sampling Image: Bill To <td></td> <td>d By:</td> <td>P</td> <td></td> <td></td> <td>\vdash</td> <td>\vdash</td> <td>t</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>OTHER:</td> <td>1</td> <td></td> <td></td> <td>₽</td> <td></td> <td>1</td> <td></td> <td>193</td> <td></td> <td>-</td> <td></td> <td></td> <td>MN</td> <td></td>		d By:	P			\vdash	\vdash	t							OTHER:	1			₽		1		193		-			MN	
Chain of Custody For Bill To ANALYSIS REQUEST Daniel Dominguez O. Box 1658 nice, NM 88231 RESERV. SampLing SampLing SampLing NO. Box 1658 nice, NM 88231 RECUEST Daniel Dominguez O. Box 1658 nice, NM 88231 SampLing DATE TIME TIME TIME DATE TIME SULFATES (SO(") TICLP PAH TI T		(~		F										ACID/BASE	В	Π.	т	ä									88	
Chain of Custody For LAB Cardinal LAB Cardinal LAB Cardinal IT To ANALYSIS REQUEST Bio Tominguez Control ANALYSIS REQUEST Bio Tominguez Sampling Sampling Control Control ANALYSIS REQUEST Bio Tominguez Sampling Sampling Control Control ANALYSIS REQUEST Bio The R Sampling Date TIME TPH 8015M DATE TPH 8015M OTHER >>>				N m	×	×	×	×	×	×	×	X	×	×	ICE/COOL	IESE	nice	ö	Dan									31	
Chain of Custody Formura LAB Cardinal Cardinal Cardinal Oominguez ANALYSIS REQUEST Cardinal Cardinal Samplung ANALYSIS REQUEST Samplung ANALYSIS REQUEST Samplung ANALYSIS REQUEST DATE TIME BITEX 80211B DATE TPH 8015M OB-Dec-16 7:20 X PH OB-Dec-16 7:30 X SULFATES (SO4 [*]) PAH PH OB-Dec-16 7:40 X P PAH OB-Dec-16 7:20 X I OB-Dec-16 X I OB-Dec-16 X I OB-Dec-16 X I I I				ail re											OTHER	RV.	N.	Boy	iel [Bill .			
Chain of Custody For LAB Cardinal ANALYSIS REQUEST ANALYSIS REQUEST TIME BTEX 8021B TIME TPH 3015M 8:00 I TPH 3015M Image: Colspan="2">Colspan="2"				sults to: ddoming	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	08-Dec-16	DATE	SAMPLI	M 88231	(1558	Dominguez							Го			
mail.com & jterry@vmllc.com BTEX 8021B ANALYSIS REQUEST Imail.com				luezepi@gi	7:20	8:05	7:30	7:15	8:10	7:40	8:00	7:45	7:35	7:00	TIME	NG													
Intervention Interventintervention Intervention				mail.c											BTEX 8021B														
LAB Chain of Custody Formation ANALYSIS REQUEST ANALYSIS REQUEST X X <				om (TPH 8015M														
Nain of Custody Formula LAB Cardinal VALYSIS REQUEST VALYSIS REQUEST V@vnntlc.com OTHER >>> V@vnntlc.com OTHER >>>				\$ jter	×	×	×	×	×	×	×	×	×	×	CHLORIDES (CI')								_			A			Ω
n of Custody Form				τγ@ν											SULFATES (SO4 ⁼)							_				VAL		LA	hai
Com TCLP S REQUEST Cardinal Cardinal Corr.				nrllc											рН											ISA		B	no
PAH PAH Cardinal Forr				.com											TCLP											SR			fC
															OTHER >>>											EQL		Caro	USI
															РАН											JES		dina	bod
														_			_				_					-		-	YF
																									_				0

Page 6 of 6



January 03, 2017

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

RE: NOWATA AGR STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 12/22/16 15:35.

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/22/2016	Sampling Date:	12/20/2016
Reported:	01/03/2017	Sampling Type:	Soil
Project Name:	NOWATA AGR STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-P SEC. 9, T18S, R35E		

Sample ID: SP 7 (2') (H602863-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/28/2016	ND	416	104	400	0.00	

Sample ID: SP 9 (2') (H602863-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/28/2016	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whot limitation, business interruptors, loss of growths incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

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

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 1 of 1

Page 4 of 4

ATTACHMENT IV Pages 1-4 of NMOCD Approved Talon LPE Work Plan



RECEIVED By OCD District 1 at 2:24 pm, Oct 07, 2015

September 29, 2015

Ms. Kellie Jones NMOCD District I 1625 N. French Dr. Hobbs, NM 88240

Subject:

Soil Assessment and Remediation Work Plan LRE Operating, LLC NOWATA AGR State #001 TB 30-025-31244

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905

ARTESIA

Phone 806.467.0607

Fax 806.467.0622

AMARILLO 921 North Bivins Amarillo, Texas 79107

HOBBS 318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658

> MIDLAND 290I State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

OKLAHOMA CITY 7700 North Hudson Avenue Suite 10 Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806.467.0622

> SAN ANTONIO II Commercial Place Schertz, Texas 78154 Phone 210.265.8025 Fax 210.568.2191

Incident Date

May 24, 2014

Background Information

consist of the following:

The NOWATA AGR State #001 TB is located approximately twenty-four (24) miles northwest of Hobbs in Lea County, New Mexico. The legal location for this site is Section 9, Township 18 South, and Range 35 East. More specifically the latitude and longitude for the release are 32.7573739 North and -103.4571457 West. A site plan is presented in Appendix I.

LRE Operating, LLC has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced NOWATA AGR State #001 TB

release. The results of our soil assessment and proposed remediation activities

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Kimbrough-Lea land complex. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Quaternary and Tertiary Age sedimentary deposits, is comprised of calcareous-loamy alluvium and calcareous-loamy eolian sands which includes silty soils under lain by sedimentary rock and hard caliche. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S9-T18S-R35E. The ground water in Section 9 is reported to be at depth of 72' below ground surface (bgs). See Appendix II for the referenced groundwater data.

The ranking for this site is 10 based on the following:

ENVIRONMENTAL CONSULTING ENGINEERING DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING Depth to ground water Wellhead Protection Area Distance to surface water body

50' - 100' >1000' >1000'

Page 1 of 4

Toll Free: 866.742.0742 www.talonlpe.com N(

¹⁵ **APPROVED** By OCD District 1 at 2:24 pm, Oct 07, 2015

Incident Description

A flow line ruptured causing 45 barrels of produced water to be released. The facility was shutin and the flow line was repaired. A vacuum truck was called to the location and recovered 20 barrels of produced water. The impacted area was scraped to remove approximately 72 yards of saturated soil from the surface. The impacted soil was transported to Lea Land, LLC. A site map is presented in Appendix I.

Actions Taken

On August 31, 2015 Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 1' below ground surface where refusal was encountered. The complete laboratory results are presented in Table 1.

On September 16, 2015 Talon personnel returned to the site to obtain deeper vertical delineation samples utilizing a backhoe to a total depth of 2.5-feet below ground surface where hard rock refusal was encountered. The complete laboratory results are presented in Table 2.

On September 25, 2015 Talon personnel returned to the site to obtain deeper vertical delineation samples with a drill rig to a total depth of 15-feet below ground surface. The complete laboratory results are presented in Table 3.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chloride samples were analyzed per Method SM4500Cl-B.

Laboratory Results

See Appendix III for complete report of laboratory results.

September 4, 201	15				Table 1
Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1 Refusal	0'	< 0.300	18800	<10	253
S-2	0'	< 0.300	24000	<10	<10
Refusal	1'	< 0.300	13200	<10	<10
S-3 Refusal	0'	142	11200	1200	14200

September 23, 2	015				Table 2
Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1'	< 0.300	12100	<10	20.6
Refusal	1.5	0.323	8660	<10	90.8
S-2	2'	< 0.300	12300	<10	<10
Refusal	2.5'	< 0.300	10300	<10	29.3
S-3	1'	21.4	10500	621	9940
Refusal	1.5'	3.22	81300	74.4	3080

September 25, 2	2015				Table 3
Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	3'	<u> </u>	2560		
	5'		96		
	7'		96		
	10'		176		
	15		48		
S-2	3'		6720		
	5'		7600		
	7'		2680		
	10'		208		
	15'		240		
S-3	3'		208	<10	<10
	5'		32	<10	<10
	7'		64	<10	<10
	10'		16		
	15'		96		1 1 - 1 - 1

Based upon the site ranking of **10**, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 1,000 mg/kg for TPH. The chloride remediation standard is considered to be 1,000 mg/kg based upon a water table depth less than 100-feet deep.

Proposed Remedial Actions

- The impacted area in the vicinity of S-1 will be excavated to a depth of 4-feet below land surface. A confirmation sample for chlorides will be obtained.
- The impacted area in the vicinity of S-2 will be excavated to a depth of 4- feet deep and a 20-mil liner will be installed.
- The impacted area in the vicinity of S-3 will be excavated to a depth of 2.5-feet deep.
- All impacted soil will be transported to Lea Land, LLC for disposal.
- Upon approval of the confirmation sample from the NMOCD, the excavated areas will then be backfilled with new top soil and contoured to match the surrounding terrain.
- A final closure report documenting all remedial actions will be provided to the OCD along with Final Form C-141.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

y M. Wilson

Kimberly M. Wilson Project Manager

32

David J. Adkins District Manager

ATTACHMENT V E-mail Correspondence



Nowata AGR State #1

Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us> To: "ddominguezepi@gmail.com" <ddominguezepi@gmail.com> Cc: "Jones, Kellie, EMNRD" <Kellie.Jones@state.nm.us>

Good morning,

The historic release can be rolled into RP 3901. Whenever you get the sample results back and come up with a remediation proposal just send that information to us as an addendum to the original work plan. If you have any other questions don't hesitate to ask.

Thank you,

Jamie

From: Daniel Dominguez [mailto:ddominguezepi@gmail.com] Sent: Friday, October 16, 2015 12:27 PM To: Jones, Kellie, EMNRD Subject: Nowata AGR State #1

Ms. Jones,

Attached in PDF are the Initial C-141 and Sample Locations and Release Areas Map for the Nowata AGR State #1, currently operated by Vanguard. Vanguard has acquired the lease from Limerock Resources and is proceeding with remediation of the site.

Talon LPE was contracted by Limerock for site remediation. Talon has sampled the site and submitted a Work Plan to OCD which has been approved. Before remediation activities began the lease was transferred to Vanguard.

Vanguard has contracted EPI to conduct remediation of not only the current release, 1RP-3901, but also a historic release to the north east of the current release.

EPI proposes to:

- · sample the historic release to determine vertical extent of contamination
- prepare Remediation Proposal based on sample laboratory analytical data
- proceed with remediation of current release as proposed in Talon Work Plan and approved by OCD

I couldn't find an Initial C-141 for the historic release on the OCD website, so I can prepare one if needed.

Will this work or do we need to start over and submit a Remediation Proposal for both releases?

--

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez Environmental Consultant/Safety Director

Jamie R. Keyes

Environmental Specialist, District 1

Oil Conservation Division, EMNRD

(575) 393-6161 ext. 113

575-370-3180 (emergency-cell)

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Mon, Oct 19, 2015 at 7:17 AM



Nowata AGR State #1

Daniel Dominguez <ddominguezepi@gmail.com> To: "Keyes, Jamie, EMNRD" <Jamie.Keyes@state.nm.us>

Mr. Keyes,

We sampled the Historic area on 5-31-16; lab analytical data and sample map are attached bellow. EPI proposes:

- remediation of the Current area as proposed by Talon workplan

- excavate Historic area three (3) feet bgs

- backfill both areas with clean soil upon completion of excavation activities

- prepare Final Closure Report to submit to Vanguard and NMOCD

I'm not sure when we will start, I'll have to talk to JT Terry with Vanguard as to when they want us to begin.

[Quoted text hidden] [Quoted text hidden] Environmental Plus, Inc. P.O. Box 1558 2100 Avenue 'O' Eunice, NM 88231 (575) 631-0401 (Cell) (575) 394-3481 (Office) (575) 394-2601 (fax)

2 attachments

Sample Locations and Release Areas.pdf 682K

Nowata AGR 5-31-16 results.pdf

Tue, Jun 7, 2016 at 3:20 PM



Nowata AGR State #1

Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us> To: Daniel Dominguez <ddominguezepi@gmail.com> Cc: "agroves@slo.state.nm.us" <agroves@slo.state.nm.us>

Good afternoon,

The OCD approves. Please provide sidewall samples to ensure the horizontal extent of the contamination has been addressed.

Thank you,

Jamie

From: Daniel Dominguez [mailto:ddominguezepi@gmail.com] Sent: Tuesday, June 07, 2016 3:21 PM To: Keyes, Jamie, EMNRD Subject: Re: Nowata AGR State #1

[Quoted text hidden]

Wed, Jun 8, 2016 at 1:26 PM

ATTACHMENT VI Copy of Initial NMOCD Form C-141 Final NMOCD Form C-141 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 Form C-141 Revised August 8, 2011

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

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

			ICIC	asc 1400110	-4161011			CHUI		
		DE Or and	~			OPERA'	I'OR		🛛 Initia	al Report 📋 Final Repor
Address P	O Boy 25	O Lovington	NM 882	60		Celephone	Jo 432-413-04	29	ter al and a state of the	anna a' anna a' an a' an a' an
Facility Na	me: NOW	ATA AGR S	tate #001	<u> </u>	I	Facility Typ	e: Flowline			* (a=
Surface Ou	mer State		ittere differ	Mineral	Jumer C	State			APINO	30-025-31244
Juliace On	mor. Diale			minoral			101000		_ ALLINO	, 59-025-512-11
Init I otton	Castion	Township	Danan	LOCA	ATION North	OF REJ	LEASE	Font	Went Line	Countr
, ,	09	18S	35E	860	Norab	S	990	Easu	West Line	Lea
4			La	titude_ <u>32.7573</u>	739	_Longitud	e <u>-103.457145</u>	<u></u>		
ma of Dal	acces Dradus	ad Wotar		NA'J	URE	OF REL	EASE Palanan d5bbla		Volume	annung de 20kble
Source of Re	elease: Flow	vline		795		Date and H	Iour of Occurrence	e:	Date and	Hour of Discovery:
						8/28/2015		1	8/28/201	5
Vas Immed	iate Notice	Given?	Yes [] No 🗌 Not R	equired	IF YES, To OCD-voic	whom? email			•
By Whom?	Eddie Elliot	1				Date and H	lour: 8/28/2015			
Nas a Wate	rcourse Rea	ched?	Yes 🛛] No		If YES, Vo	olume Impacting	the Wat	tercourse.	
			noo r uny.	•			RECEIV By OCD D	'ED	ct 1 at 2	2:29 pm, Oct 07, 20
Describe Ca A flowline r produced wa was hauled	ause of Prob ruptured cau ater. The im to an NMO	lem and Reme ising a release pacted area w CD approved s	edial Actio of approxi as scraped solid waste	* n Taken.* imately 45bbls of to remove the sa e disposal facility.	produce turated so	d water. A va	RECEIV By OCD D accuum truck was surface (approxim	tistric	to recover a 2 yards). Th	2:29 pm, Oct 07, 20 approximately 20bbls of e impacted soil from the scrape
Describe Ca A flowline r produced w was hauled Describe Ar The impacto sampling w work plan r I hereby cer regulations public healt should their or the envir federal, stat	use of Prob ruptured cau ater. The im to an NMOO rea Affected ed area is in ithin the imp emediation tify that the all operators th or the env operations onment. In e, or local la	lem and Reme sing a release pacted area w CD approved s and Cleanup the pasture so pacted area. A activities will information g s are required ironment. The have failed to addition, NMM aws and/or reg	edial Actio of approxi as scraped solid waste Action Tal uth of the remediation proceed. given above to report a e acceptan adequately OCD acceptan	n Taken.* imately 45bbls of to remove the sa disposal facility, ken.* tank battery. Take on work plan will e is true and com nd/or file certain ce of a C-141 rep y investigate and plance of a C-141	produce turated so on/LPE n l be gener plete to ti release n oort by the remediat report d	d water. A va bil from the s nobilized per rated and sub he best of my otifications a e NMOCD m e contaminat oes not relief	RECEIV By OCD D accum truck was to surface (approxim sonnel to conduct omitted to NMOC v knowledge and to and perform corre- marked as "Final Fi ion that pose a the ve the operator of	tistric utilized ately 7: an init D for re- understa ctive ac Report" respon	to recover a 2 yards). The ial site assess cview and a and that pur ctions for rel does not rel ground wate sibility for o	2:29 pm, Oct 07, 20 approximately 20bbls of e impacted soil from the scrape ssment and to perform soil pproval. Upon approval of the suant to NMOCD rules and leases which may endanger lieve the operator of liability r, surface water, human health compliance with any other
Describe Ca A flowline r produced w was hauled Describe An The impacto sampling w work plan ro I hereby cer regulations public healt should their or the envir federal, stat	use of Prob ruptured cau ater. The im to an NMOO rea Affected ed area is in ithin the imp emediation thify that the all operators the or the env operations onment. In e, or local la	lem and Reme sing a release pacted area w CD approved s and Cleanup the pasture so pacted area. A activities will information g s are required irronment. The have failed to addition, NMM aws and/or reg	edial Actio of approxi as scraped solid waste Action Tal uth of the tremediation proceed. given above to report a e acceptan adequately OCD acceptan adequately OCD acceptan adequately MA	n Taken.* imately 45bbls of to remove the sa disposal facility, ken.* tank battery. Take on work plan will e is true and comp nd/or file certain ce of a C-141 rep y investigate and plance of a C-141	produce turated so on/LPE m be generic plete to the release n oort by the remediat	d water. A va oil from the s nobilized per rated and sub he best of my otifications a e NMOCD m e contaminat ioes not relie	RECEIV By OCD D accum truck was to surface (approxim sonnel to conduct omitted to NMOC v knowledge and to and perform corre- narked as "Final Fi ion that pose a the ve the operator of <u>OIL CON</u>	ED istric utilized ately 7: an init D for re- understa ctive ac ceport" reat to g respon	to recover a 2 yards). The ial site assess eview and a and that pur- etions for rel does not rel ground wate sibility for o VATION	2:29 pm, Oct 07, 20 approximately 20bbls of e impacted soil from the scrape ssment and to perform soil pproval. Upon approval of the suant to NMOCD rules and leases which may endanger ieve the operator of liability r, surface water, human health compliance with any other
Describe Ca A flowline r produced w was hauled Describe Ar The impacts sampling w work plan r I hereby cer regulations public healt should their or the envir federal, stat Signature:	ause of Prob ruptured cau ater. The im to an NMOO rea Affected ed area is in ithin the imp emediation of this of the env roperations onment. In te, or local la comment. Eddie E	lem and Reme sing a release pacted area w CD approved s and Cleanup the pasture so pacted area. A activities will information g s are required irronment. The have failed to addition, NMM aws and/or reg	edial Actio of approxi as scraped solid waste Action Tal uth of the remediation proceed. iven above to report a e acceptan adequately OCD acceptan utations.	n Taken.* imately 45bbls of to remove the sa disposal facility. ken.* tank battery. Take on work plan will e is true and comp nd/or file certain ce of a C-141 rep y investigate and plance of a C-141	produce turated so on/LPE n l bc genet plete to th release n oort by th remediat l report d	d water. A va oil from the s nobilized per rated and sut he best of my otifications a e NMOCD n e contaminat oes not relier	RECEIV By OCD D acuum truck was to surface (approxim sonnel to conduct mitted to NMOC v knowledge and to and perform corre narked as "Final F ion that pose a th ve the operator of <u>OIL CON</u> v Environmental S	ED istric istric ately 7: an init D for re- ctive ac Report" respon	to recover a 2 yards). The ial site assess eview and a and that pur- tions for rel does not rel ground wate sibility for o <u>VATION</u> ist:	2:29 pm, Oct 07, 20 approximately 20bbls of e impacted soil from the scrape ssment and to perform soil pproval. Upon approval of the suant to NMOCD rules and leases which may endanger ieve the operator of liability r, surface water, human health compliance with any other
Describe Ca A flowline r produced was hauled Describe Ar The impacts sampling was work plan r I hereby cer regulations public healt should their or the envir federal, stat Signature: Printed Nar Title: Produ	ause of Prob ruptured cau ater. The im to an NMOO rea Affected ed area is in ithin the imp emediation is thigh that the all operators the or the env operations onment. In e, or local is comment. Eddie E netion Super	lem and Reme sing a release pacted area w. CD approved s and Cleanup the pasture so pacted area. A activities will information g s are required ironment. The have failed to addition, NM aws and/or reg	edial Actio of approxi as scraped solid waste Action Tal uth of the remediation proceed. given above to report a e acceptan adequately OCD acce gulations.	n Taken.* imately 45bbls of to remove the sa disposal facility. ken.* tank battery. Take on work plan will e is true and com nd/or file certain ce of a C-141 rep y investigate and plance of a C-141	produce turated so on/LPE m l be gener plete to the release n oort by the remediat	d water. A vi oil from the s nobilized per rated and sub he best of my otifications a e NMOCD m e contaminat oes not relier Approved by Approval Da	RECEIV By OCD D account truck was to surface (approxim sonnel to conduct omitted to NMOC whowledge and to marked as "Final Fi ion that pose a the we the operator of <u>OIL CON</u> we there are the operator of atte: 10/07/2015	ED istric utilized ately 7: an init D for re- ctive ac Report" respon (SER) Speciali	to recover a 2 yards). The ial site assess eview and a and that pur- etions for rel does not rel ground wate sibility for c VATION ist:	2:29 pm, Oct 07, 20 approximately 20bbls of e impacted soil from the scrape ssment and to perform soil pproval. Upon approval of the suant to NMOCD rules and leases which may endanger ieve the operator of liability r, surface water, human health compliance with any other DIVISION
Describe Ca A flowline r produced w was hauled Describe Ar The impacto sampling w work plan r I hereby cer regulations public healt should their or the envir federal, stat Signature: Printed Nar Title: Produ E-mail Add	ause of Prob nuptured cau ater. The im to an NMOO rea Affected ed area is in ithin the imp emediation is thify that the all operators on the env operations onment. In re, or local is where the env operations on the env operations operations on the env operations operations operations on the env operations operations o	lem and Reme sing a release pacted area w CD approved s and Cleanup the pasture so pacted area. A activities will information g s are required irronment. The have failed to addition, NMA aws and/or reg	edial Actio of approxi as scraped solid waste Action Tal uth of the remediation proceed. given above to report a e acceptan adequately OCD acceptan adequately Sources.co	n Taken.* imately 45bbls of to remove the sa disposal facility, ken.* tank battery. Take on work plan will e is true and com nd/or file certain ce of a C-141 rep y investigate and plance of a C-141	produce turated so on/LPE n be generic plete to the release n oort by the remediat report d	d water. A va oil from the s nobilized per rated and sub he best of my otifications a e NMOCD n e contaminat oes not relier Approved by Approved by Approval Da Conditions of	RECEIV By OCD D account truck was to sourface (approximation sourface (approximation sourface (approximation sourface (approximation sourface (approximation sourface (approximation sourface (approximation with a perform corre- marked as "Final Fi ion that pose a third we the operator of <u>OIL CON</u> the environmental sources ate: 10/07/2015 of Approval: the new MNCCES	ED istric istric utilized ately 7: an init D for re- understa ctive ac cepart of respon [SER] Speciali	to recover a 2 yards). The ial site assess eview and a and that pur- tions for rel does not rel ground wate sibility for co <u>VATION</u> ist: <u>Performance</u> Expiration	2:29 pm, Oct 07, 20 approximately 20bbls of e impacted soil from the scrape ssment and to perform soil pproval. Upon approval of the suant to NMOCD rules and leases which may endanger ieve the operator of liability r, surface water, human health compliance with any other DIVISION Date: 12/07/2015 Attached 1RP-3901

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Relea	se Notifica	ation	and Cor	rrective Ac	tion					
						OPERAT	OR	Ľ	Initial R	Report	🛛 Fina	Report	
Name of Co	mpany: Va	anguard				Contact: JT	Terry						
Address: 40	01 Penbro	ook, Suite 20	1, Odess	a Texas 79762		Telephone N	No. 432-362-220)9					
Facility Nar	ne: Nowat	a AGR State	#1; 1RP	#3901		Facility Typ	e: Flowline						
Surface Ow	ner: State			Mineral C	Owner:			API No. 30-025-31244					
				LOCA	TION	OF REL	EASE						
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	Vest Line		County		
Р	9	18S	35E	860		South	990	H	East		Lea		
L		L	Lati	tude: N 32.757	73739°	Longitude	: W 103.457145	57°					
				NATI	URE	OF RELE	ASE						
Type of Rele	ase: Produc	ced Water		1,1111	U I LL	Volume of	Release: 45 bbls		Volume Re	covered:	20 bbls		
Source of Re	lease: Flow	vline	_		ana ang ang ang ang ang ang ang ang ang	Date and H	Iour of Occurrence	e:	Date and H	our of D	iscovery:		
						8-28-2015			8-28-2015				
Was Immedia	ate Notice (Given?	Yes 🗌	No 🗌 Not R	equired	If YES, To OCD voice	o Whom? email						
By Whom?	Eddie Elliot					Date and H	Hour: 8-28-2015						
Was a Water	course Read	ched?				If YES, Vo	olume Impacting t	he Wate	ercourse:				
			Yes 🗵] No		Not Applie	cable						
If a Watercon	urse was Im	pacted, Descr	ibe Fully.	* Not Applicable	;	A	PPROV	ED					
						B	y Olivia Yı	u at 8	8:59 an	n, Ma	y 15, 20	017	
Describe Cau A flowline r produced wa scrape was h	use of Probl uptured can ater. The in nauled to ar	em and Reme using a releas npacted area n NMOCD ap	dial Actio se of appro was scrap oproved se	n Taken.* oximately 45bbl: ed to remove the olid waste dispos	s of pro e satura sal facil	duced water. ted soil from lity.	A vacuum truck the surface (appr	was uti oximate	lized to reco ely 72 yards	over app). The in	roximately 2 npacted soil	0bbls of from the	
Describe Are The impacted Samples wer excavated. C excavation w	ea Affected d area is in t e collected ontaminate vas backfille	and Cleanup A the pasture so from both are d soil was have ed with clean s	Action Tal uth of the as and sen iled to a st soil.	ken.* tank battery. A hi t to the lab for tes ate approved disp	istoric re sting. Ba bosal fac	elease area to ased on labora cility. A 20-m	the south east of t atory analytical da il polyethylene lin	he tank ta, and I ter was i	battery was a NMOCD app nstalled over	also inclu proval, th r the area	ided with this e release area of S-2 and th	s release. as were ae	
I hereby cert regulations a public health should their or the enviro federal, state	ify that the ill operators or the envi operations h nment. In a or local la	information g are required to ironment. The have failed to addition, NMO ws and/or red	iven above to report a e acceptan adequately OCD accep ulations.	e is true and comp nd/or file certain ce of a C-141 rep v investigate and ptance of a C-141	plete to release port by th remedia report	the best of my notifications a he NMOCD n the contaminat does not reliev	v knowledge and u and perform corre- narked as "Final R ion that pose a the ve the operator of	inderstar ctive act ceport" c reat to gr respons	nd that pursu ions for relea loes not relie round water, ibility for con	aant to N ases which we the op surface mpliance	MOCD rules ch may endar perator of liab water, human with any oth	and ager bility health her	
Tederal, State	, 01 10 04.14	\mathcal{I}					OIL CON	SERV	ATION I	DIVIS	ION		
	11-	11											
Signature:	- 40	m				Approved by	Environmental S	necialis	t: by				
Printed Nam	e: JT Terry					rpproved by	, Environmental e		<i>U</i>			-	
Title: Produc	ction Forem	ian	15			Approval Da	ate: 5/15/201	7	Expiration D	Date: XX	/xx/xxxx		
E-mail Addr	ess: jterry@	vnrllc.com				Conditions of	of Approval:			Attach	ed 🗖		
	10.10		N	. 422 262 2200		NMOCE) approves '	1RP-3	3901 for	closu	re.		
Attach Addit	ional Shee	ts If Necessa	Phone	: 432-302-2209									