CLOSURE REPORT (FINAL)

MOBIL STATE ZZ TANK BATTERY

NMOCD 1RP #1495 EPI REF: 255001

- UL-F (SE¹/4 OF THE NW¹/4) OF SECTION 7 T17S R35E -3.3 MILES NORTH OF BUCKEYE LEA COUNTY, NEW MEXICO LATITUDE: N 32° 51' 04.21" LONGITUDE: W 103° 29' 55.22"

SEPTEMBER 2007

PREPARED BY: Environmental Plus, Inc. 2100 Avenue O

EUNICE, NEW MEXICO 88231

PREPARED FOR:





STANDARD OF CARE

Closure Report (Final)

Mobil State ZZ Tank Battery (NMOCD 1RP #1495; EPI Ref. #255001)

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February, 1993) and Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan.* The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were derived using currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered professional with a background in engineering, environmental and/or natural sciences.

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1.0 PROJECT SYNOPSIS

Site Specific:

- *Company Name*: Centurion Pipeline, L.P.
- *Facility Name*: Mobil State ZZ Tank Battery
- Project Reference: NMOCD 1RP #1495; EPI Ref. #255001
- Company Contacts: Darrel Lester and Becky Moore
- *Site Location:* WGS84 N32° 51' 04.21"; W103° 29' 55.22"
- ◆ Legal Description: Unit Letter-F, (SE¼ of the NW¼), Section 7, T 17 S, R 35 E
- General Description: Approximately 3.3-miles north of Buckeye, New Mexico
- *Elevation:* 4,007-ft amsl
- Land Ownership: Eidson Ranch
- *EPI Personnel:* Project Consultant Jason Stegemoller Project Foreman – David Robinson

Release Specific:

- **Product Released:** Crude oil
- Volume Released: ~4 barrels (estimated)
- Volume Recovered: none
- Date of Occurrence: 15 June 2005
- Date of Discovery: 15 June 2005
- *Release Source:* Check valve failure on Centurion pipeline caused tank to overflow.
- *Initial Surface Area Affected:* ~5,100 square feet

Remediation Specific:

- *Final Vertical extent of contamination:* 14-feet bgs at maximum depth
- Depth to Ground Water: ~76.5-ft bgs
- *Water wells within 1,000-ft:* None (upon completion of plugging water well on battery pad)
- Private domestic water sources within 200-ft: None
- Surface water bodies within 1,000-ft: None
- *NMOCD Site Ranking Index:* 30 points (10 points upon completion of plugging water well on battery pad)
- Remedial goals for Soil: TPH 100 mg/Kg; BTEX 50 mg/Kg; Benzene 10 mg/Kg; Chloride residuals may not be capable of impacting groundwater above the NMWQCC groundwater standard of 250 mg/L. (Based on depth to groundwater and plugging of nearby water well, NMOCD-Hobbs has allowed TPH concentrations to be <1,000 mg/Kg)
- **RCRA Waste Classification:** Exempt
- *Remediation Option Selected:* a) Excavated crude oil impacted soil; b) soil sample laboratory analyses to confirmed excavation sidewalls and floor below acceptable limits; c) transported excavated material to landfarm for treatment; e) backfilled the excavation with clean soil; f) seeded pasture remediation area with a blend approved by the landowner; g) plugged and abandoned water well.
- *Disposal Facility:* Artesia Aeration, Buckeye, New Mexico (~812-cubic yards)/South Monument Landfarm, Monument, New Mexico (~934-cubic yards)
- Volume disposed: Approximately 1,746-cubic yards
- Project Completion Date: 26 July 2007

2.0 <u>SITE AND RELEASE INFORMATION</u>

- 2.1 Describe the land use and pertinent geographic features within 1,000 feet of the site. In addition to oilfield activities, land surrounding the area is rangeland and utilized for livestock grazing.
- 2.2 Identify and describe the source or suspected source(s) of the release. Check valve failure on Centurion pipeline caused tank to overflow.
- 2.3 What is the volume of the release? (if known): <u>~4</u> barrels of <u>crude oil</u>
- 2.4 What is the volume recovered? (if any) <u>0</u> barrels
- 2.5 When did the release occur? (if known): 15 June 2005

2.6 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments (i.e., fine to medium sand) with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil."

2.7 Ecological Description

Typical vegetation consists primarily of an intergrade of High Plains and Northern Chihuahuan Desert grasses. Vegetation includes perennial grasses (eg. blue grama, buffalograss) and annual and perennial forbs (eg. broad-leafed milkweed and Russian thistle). Degraded/disturbed areas will consist primarily of annual grasses and forbs and mesquite exhibiting shrubby growth forms. Mammals represented include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians and birds are numerous and typical of the area. A survey of Listed, Threatened or Endangered species was not conducted.

2.8 Area Groundwater

The unconfined groundwater aquifer at this site was gauged on August 15, 2006 of \sim 76.8-feet below ground surface (bgs). On July 24, 2007, groundwater was gauged to be \sim 76.5-feet bgs. These depths are consistent with water depth data from the New Mexico State Engineers Office and the United States Geological Survey data base (reference *Table 1*).

2.9 Area Water Wells

No public water supply wells are located within 1,000-feet of the release site. A six (6) inch diameter steel cased water well existed on the well pad within 100-feet of the release area. The water well was plugged in accordance with New Mexico regulations by Straub Corporation of Stanton, Texas. In addition, no private domestic fresh water wells or springs used by less than five households for domestic or stock watering purposes exist within 200-feet of the release site (reference *Table 1, Figure 2* and *Appendix IV*).

2.10 Area Surface Water Features

No surface water features exist within 1,000 feet of the release site (reference Figure 2).

3.0 <u>NMOCD SITE RANKING</u>

Contaminant delineation and remedial work done at this site indicate chemical parameters of the soil and physical parameters of the groundwater were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February, 1993)
- <u>Pit and Below-Grade Tank Guidelines (November, 2004)</u>

Acceptable thresholds for contaminants/constituents of concern (CoC) were determined based on the NMOCD Ranking Criteria as follows:

- Depth to Groundwater (i.e., distance from the lower most acceptable concentration to ground-water);
- Wellhead Protection Area (i.e., distance from fresh water supply wells);
- Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is thirty (30) points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. GRO	UNDWATER	2. WELLHEA	AD PROTECTION AREA	3. DISTANCE TO SURFACE WATER
Depth to GW < Depth to GW 50 10 points Depth to GW >	50 feet: 20 points) to 99 feet: 100 feet: 0 points	If <1,000' from wat private domestic w (NOTE: Water well utilizing NMOSE gu If >1,000' from wat private domestic w	er source, or <200' from vater source: 20 points was plugged and abandoned idelines on July 26, 2007) er source, or >200' from vater source: 0 points	<200 horizontal feet: 2 <i>0 points</i> 200-1,000 horizontal feet: 10 <i>points</i> >1,000 horizontal feet: <i>0 points</i>
Site Marik (1+24	5) = 10 + 20 + 0 =	su points		
	Total Site	Ranking Score and	Acceptable Remedial Goal Co	ncentrations
Parameter	20 0	or >	10	0
Benzene ¹	10 p	pm	10 ppm	10 ppm
BTEX ¹	50 p	pm í	50 ppm	50 ppm
ТРН	100	opm	1,000 ppm	5,000 ppm

A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.

4.0 EXCAVATED SOIL INFORMATION

4.1 Was soil excavated for off-site treatment or disposal? 🛛 🖾 Yes 🗌 No

Date excavated: April 19, 2007 through May 7, 2007

Total volume removed: Approximately 1,746-cubic yards

4.2 Indicated soil treatment type:

Disposal Land Treatement Composting/Biopiling Other

Name and location of treatment/disposal facility:

Artesia Aeration – located near Maljamar, New Mexico (~812-cubic yards) South Monument Landfarm – located near Monument, New Mexico (~934-cubic yards)

5.0 SAMPLING INFORMATION

5.1 Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.

Organic Vapor Concentrations – A portion of each soil sample collected was inserted into a self-sealing polyethylene bag to allow volatilization of organic vapors. After the samples equilibrated to $\sim 70^{\circ}$ F, they were analyzed for organic vapors utilizing a MiniRae® Photoionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp and calibrated for benzene response.

Chloride Concentrations – A portion of each soil sample collected was tested in the field utilizing a La Motte Chloride Test Kit (titration type).

5.2 Briefly describe the soil analytical sampling and handling procedures used.

Prior to and between collection of soil samples from test trenches/soil borings/excavation, sample collection tools were sterilized in an Alconox solution. Upon collection of each sample, a portion was immediately placed in a laboratory provided container, labeled and set on ice for transport to an independent laboratory for quantification of total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene and total xylenes (BTEX) and chloride concentrations. The remaining soil sample was placed in a polyethylene bag for field analyses of organic vapor and chloride concentrations.

5.3 Discuss sample locations and provide rationale for their locations.

On 17 August 2006, soil samples were collected from four (4) test trenches excavated within the initial release area. Excavation of test trenches was to a maximum depth of 4-feet bgs at T-1 and T-3, 12-feet bgs at T-2 and 6-feet bgs at T-4. Test trench samples were collected at near surface (i.e., 3-inches), 2-feet bgs and 2-foot intervals thereafter for total depth of trench (reference *Figure 3*).

On 11 October, 2006, soil borings SB-1 and SB-2 were advanced near the location of test trenches T-1 and T-2. Soil samples were collected from SB-1 at 15-, 20-, 25- and 30-feet bgs. Soil samples were collected from SB-2 at 5-, 10- and 15-feet bgs. Soil boring location was chosen to delineate the vertical extent of impacts within the release area (reference *Figure 4*).

On April 23 and 26, 2007, soil samples were collected from the tank battery excavation sidewalls and floors. Based on laboratory analytical data indicating excessive TPH and chloride concentrations, remediation activities continued on the south sidewall. Soil samples were collected on May 7, 2007 from the south sidewalls (for final sample locations reference *Figure 6*).

Soil samples were collected on April 30 2007, from the pasture excavation sidewalls and floor. Based on laboratory analytical data indicating excessive TPH concentrations, remediation activities continued on the east sidewall. Soil samples were collected on May 4, 2007 from the east sidewall and the newly excavated portions along the north and south sidewalls (for final sample locations reference *Figure 7*).

Excavation soil sample locations were chosen to provide the best representative soil sample within the excavation sidewalls and floor.

6.0 <u>ANALYTICAL RESULTS</u>

6.1 Describe the vertical and horizontal extent and magnitude of soil contamination.

Laboratory analyses of soil samples collected on August 17, 2006 from test trenches T-1, T-2 and T-4 and October 11, 2006 from soil borings SB-1 and SB-2, indicated the bulk of impacted soil (i.e., TPH concentrations >1,000 mg/Kg) was limited to within 6-feet of ground surface. TPH concentrations in remaining sample locations (i.e., test trench T-3) and sample intervals were non-detectable (ND) at or above laboratory analytical method detection limits (MDL), with the exception of soil samples SB-1 (15') and SB-2 (12'). These samples indicated TPH concentrations were 334 and 115 mg/Kg, respectively. Reported BTEX constituent concentrations were below NMOCD remedial goals. Laboratory analyses of chloride concentrations were not performed during these sampling events (reference *Figure 4* and *Table 2*).

Laboratory analyses of final soil samples collected from the tank battery excavation sidewalls indicated TPH and BTEX constituent concentrations were ND at or above laboratory analytical MDL. TPH concentrations in soil samples collected from the excavation floor ranged from ND to 745 mg/Kg. Benzene concentrations in excavation floor soil samples ranged from ND to 0.193 mg/Kg. BTEX concentrations ranged from ND to 16.62 mg/Kg. Chloride concentrations ranged from ND to 288 mg/Kg (reference *Figure 6* and *Table 3*).

Laboratory analyses of final soil samples collected from the pasture excavation indicated TPH concentrations in the east, southeast and south sidewalls were less than 100 mg/Kg. TPH concentrations in the excavation floor ranged from ND to 109 mg/Kg. TPH concentrations in the north sidewall soil samples ranged from 159 to 853 mg/Kg. BTEX constituent concentrations in all sample locations was reported as ND at or above laboratory analytical MDL. Chloride concentrations ranged from 16 to 112 mg/Kg (reference *Figure 7* and *Table 4*).

6.2 Is surface soil contamination present at the site (i.e., soil in the uppermost two feet that is visibly stained, contaminated at greater than 10 ppm (PID) or hydrocarbon saturated)?

🗌 yes 🛛 🖾 no

If yes, attach a site map identifying extent(s) of surface soil contamination.

7.0 **DISCUSSION**

7.1 Discuss the risks associated with the remaining soil contamination:

Hydrocarbon impacted soil was excavated and transported to Artesia Aeration and South Monument Landfarm for treatment. Laboratory analyses of groundwater samples collected on August 17, 2006 and July 25, 2007 from the water well located on the well pad indicated BTEX, chloride and sulfate concentrations were below NMWQCC groundwater standards. Based on soil sample field and laboratory analyses indicating TPH concentrations in the majority of soil sample locations as <100 mg/Kg and remaining TPH concentrations as <1,000 mg/Kg, low residual BTEX and chloride concentrations, sufficient depth to groundwater (i.e., 76.5-feet bgs) and plugging of the on-site water well (in accordance with New Mexico State Engineer regulations), groundwater should not be impacted from this release in the future.

- 7.2 Discuss the risks associated with the impacted groundwater: Laboratory analyses of groundwater samples collected on August 17, 2006 and July 25, 2007 indicate BTEX constituent, chloride, sulfate and PAH concentrations were within NMWQCC groundwater standards.
- **7.3 Discuss other concerns not mentioned above:** On July 26, 2007, the on-site water well was plugged by Straub Corporation of Stanton, Texas in accordance with New Mexico State Engineer regulations for plugging and abandoning water wells.

8.0 <u>CONCLUSIONS AND RECOMMENDATIONS</u>

8.1 Recommendation for the site:

Site Closure

Additional Groundwater Monitoring

Corrective Action

8.2 Base the recommendation above on <u>Guidelines for Remediation of Leaks, Spills and</u> <u>Releases (August 13, 1993)</u>. Describe below how you applied the policy to support your recommendation. If closure is recommended, please summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.

Approximately 1,746-cubic yards of hydrocarbon impacted soil were excavated from the tank battery area (~1,800-square feet) and pasture area (~1,000-square feet) to a maximum depth of 14-feet bgs. With plugging and abandoning the on-site water well, adequate depth to groundwater and NMOCD approval of TPH, BTEX constituent and chloride concentrations represented in field and laboratory analyses of soil samples, groundwater should not be impacted from this release. Excavated, hydrocarbon impacted soil was transported to Artesia Aeration and South Monument Landfarm for treatment. The excavation was backfilled with clean soil and the pasture remediation area seeded with a blend suitable to the landowner.

- 8.3 If additional groundwater monitoring is recommended, indicate the proposed monitoring schedule and frequency. Conduct quarterly monitoring until the NMOCD responds to this report. Not Applicable
- 8.4 If corrective action is recommended, provide a conceptual approach.













WELL INFORMATION REPORT*

Centurion Pipeline, L.P. - Mobile State "ZZ" Tank Battery (Ref #255001)

Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
L 06878 (1) EXP	0	MOBIL TX&NM PROD	PRO	17S	35E	07 1 1	N 32° 51' 11 83"	W 103° 30' 18.14"	27-Nov-71	4,016	60
L 06878 (E) EXP	0	CACTUS DRILLING CORPORATION	PRO	17S	35E	07 11	N 32° 51' 11.83"	W 103° 30' 18.14"		4,016	
L 07236 EXP	0	J D. OLIVER	DOM	17S	35E	05 4 4 3	N 32° 51' 24.23"	W 103° 28' 30 97"		3,996	
L 07380	0	MCVAY DRILLING CO	PRO	17S	35E	06 343	N 32° 51' 51 02"	W 103° 30' 3.67"	10-May-75	4,023	80
L 07012	0	PATTERSON DRILLING	PRO	178	35E	08 332	N 32° 50' 32 37"	W 103° 29' 17.17"		3,994	
L_10067	3	MOBIL PRODUCING TX & NM	PRO	17S	35E	17 321	N 32° 49' 53.07"	W 103° 29' 1.62"	23-Mar-89	3,980	55
L_02834	3	S.P. YATES DRILLING CO	PRO	178	35E	18 2 2	N 32° 50' 19.32"	W 103° 29' 32.62"	27-Mar-55	3,996	40
L 02834 APPRO				17S	35E	18 2 2	N 32° 50' 19 32"	W 103° 29' 32 62"	27-Mar-55	3,996	40
L 02312	3	WARREN & BRADSHAW, ATTENTION	PRO	17S	34E	01 4 4	N 32° 51' 24 81"	W 103° 30' 33.59"	05-Aug-53	4,028	71
L 02312 APPRO				17S	34E	01 4 4	N 32° 51' 24 81"	W 103° 30' 33.59"	05-Aug-53	4,028	71
L 06771(E)	0	CACTUS DRILLING CORPORATION	PRO	17S	<u>34</u> E	12 4 1 1	N 32° 50' 45.41"	W 103° 30' 49"	28-Feb-71	4,024	86
L 03007	3	DONNELY DRILLING CO.	PRO	17S	34E	13 2 1	N 32° 50' 19 21"	W 103° 30' 49"	26-Oct-55	4,024	70
L 03007 APPRO				17S	34E	13 21	N 32° 50' 19 21"	W 103° 30' 49"	26-Oct-55	4,024	70
L 06704 EXP	0	NOBLE DRILLING CORP.	PRO	17S	34E	13 144	N 32° 50' 6 04"	W 103° 31' 4.44"		4,015	
USGS #2				17S	35E	7 3 4 2			09-Feb-96		78.4
USGS #11 - 墨、松배沙洲			MELES	参约7 5 11	34E	13 4 3 3		Sec.	20 Feb-76		82 2
E模063571m字》至3116	a 207 8	REPUBLIC FACTORS INC. OF MIDUAND	COMI ."	178 Ja	35E	06 11 10 10	N 32° 52' 4-18"	W 103° 30' 18 2"	「夏間小学で	🦾 4,031 🎏	
L 06240	*_菱0-**翻	A. W.INC. THOMPSON	_≜PRO}∭	117S	≝☆34E	13 43	N 32° 49' 39.94"	W 103° 30' 49.02"		4,016	

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

 $^{\Lambda}$ = in acre feet per annum

^B = Interpolated from USGS Topographical Map

PRO = Prospecting or development of a natural resource

DOM = 72-12-1 Domestic one household

COM = Commercial

(quarters are 1=NW, 2=NE, 3=SW, 4=SE)

(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

Shaded well information indicates well location not shown on Figure 2

Summary of Tank Battery Excavation Soil Sample Analytical Results

Centurion Pipeline - Mobil State ZZ Tank Battery (Ref. #255001)

Sample	Sample ID	Depth (feet)	Sample Date	Soil Status	PID Reading	Field Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO C6-C10	DRO C10-C-28	ТРН C6-C28	Chloride
Escation		(1000)			(ppm)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
		0.25	8/17/2006	Excavated	46.0	_	< 0.005	< 0.005	< 0.005	<0.015	< 0.030	<10.0	640	640	
	<u>T1-2'</u>	2	8/17/2006	Excavated	1.00	-	< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	-
Trench 1	T-4'	4	8/17/2006	Excavated	896		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	34.8	402	437	-
(T1)/ Soil	Refusal	5	8/17/2006	Excavated		_									_
Boring 1 (SB-	SB-1 (15')	15	10/11/2006	In Situ	500		< 0.005	0.024	0.378	0.714	1.12	10.1	324	334	-
1)	SB-1 (20')	20	10/11/2006	In Situ	19.4		< 0.005	< 0.005	< 0.005	<0.015	< 0.030	<10.0	27	27	-
	SB-1 (25')	25	10/11/2006	In Situ	4.80		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	-
	SB-1 (30')	30	10/11/2006	In Situ	0.05		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	-
	T2-3"	0.25	8/17/2006	Excavated	3.00		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	17.7	17.7	-
	T2-2'	2	8/17/2006	Excavated	1,485		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	312	716	1,028	-
	T2-4'	4	8/17/2006	Excavated	3,355		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	2,550	3,880	6,430	-
Trench 2	SB-2 (5')	5	10/11/2006	Excavated	38.9		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	-
(T2)/ Soil	T2-6'	6	8/17/2006	Excavated	3,445	-	< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	680	1,260	1,940	-
Boring 2 (SB-	T2-8'	8	8/17/2006	Excavated	234		<0 005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	47.1	47.1	_
2)	SB-2 (10')	10	10/11/2006	Excavated	8.9		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
	T2-10'	10	8/17/2006	In Situ	205		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
	T2-12'	12	8/17/2006	In Situ	188		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	115	115	_
	SB-2 (15')	15	10/11/2006	In Situ	0.9		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
	T3-3"	0.25	8/17/2006	In Situ	18.0		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
Trench 3 (T3)	T3-2'	2	8/17/2006	In Situ	1.00		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
	T3-4'	4	8/17/2006	In Situ	1.00		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
	T4-3"	0.25	8/17/2006	Excavated	6.30		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	189	189	-
	T4-2'	2	8/17/2006	Excavated	183		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	45.9	2,510	2,556	-
$1 \operatorname{rench} 4(14)$	T4-4'	4	8/17/2006	In Situ	1.90		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	-
	T4-6'	6	8/17/2006	In Situ	1.30		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<10.0	_
	Berm-N-1'	1	8/17/2006	In Situ	9.20		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	218	218	_
~	Berm-E-1'	1	8/17/2006	In Situ	1.90							73.9	90.5	164	_
Berm	Berm-S-1'	1	8/17/2006	In Situ	11.0		0.022	0.282	0.010	2.71	715.00	258	100	358	_
	Berm-W-1'	1	8/17/2006	Excavated	14.0							<10.0	129	129	_
NN	AOCD Remedia	l Threshol	lds		100 ^A		10				50			100	250 ^B

Bolded values are in excess of the NMOCD Remediation Thresholds

-- Not Analyzed

Note Shaded cells indicate excavated areas

^A In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes

^B Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L

^C Detected, but below the Reporting Limit, therefore, results is an estimated concentration

Summary of Tank Battery Excavation Soil Sample Analytical Results

Centurion Pipeline - Mobil State ZZ Tank Battery (Ref. #255001)

Sample ID	Depth (foot)	Sample Date	Soil Status	PID Reading	Field Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO C6-C10	DRO C10-C-28	ТРН С6-С28	Chloride
	(leet)			(ppm)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
NSW-1 (2')	2	23-Apr-07	In Situ	5.5		< 0.005	< 0.005	<0 005	< 0.015	< 0.030	<10.0	<10.0	<20 0	48
NSW-2 (6')	6	23-Apr-07	In Situ	2.4		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10 0	<10.0	<20.0	144
WSW-1 (3')	3	23-Apr-07	In Situ	7.6		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<20.0	208
WSW-2 (5')	5	23-Apr-07	In Situ	8.5		< 0.005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<20.0	288
WSW-3 (4')	4	26-Apr-07	In Situ	1.9		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	<10.0	<10.0	192
BH-1 (7')	7	23-Apr-07	In Situ	4.6		< 0.005	< 0.005	< 0.005	<0.015	< 0.030	<10.0	<10.0	<20.0	112
BH-2 (12')	12	23-Apr-07	In Situ	5.2		0.193	3.32	11.8	1.31	16.62	131	614	745	112
BH-2 (14')	14	23-Apr-07	In Situ	7.8		< 0.005	0.102	0 225	0.380	0.707	<10.0	387	387	112
BH-4 (9')	9	26-Apr-07	In Situ	8.6		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	250	250	128
BH-5 (8')	8	26-Apr-07	In Sıtu	13.1		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	91.6	91.6	80
SSW-1 (6)	6	26-Apr-07	Excavated	1,419	1		NUMPER				1,170	7,200	8,370	
SSW-1A (7')	7	07-May-07	In Sıtu	2.2		<0 005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<20 0	<16
SSW-2 (4)	4	26-Apr-07	Excavated	7.0	李飞船	<0.002	<0.002	<0.002	<0.006	<0.012	<10.0	83.2	83.2	272
SSW-2B (4')	4	07-May-07	In Situ	15		< 0.005	< 0.005	<0 005	< 0.015	< 0.030	<10.0	<1000	<20.0	<16
NMOCD	Remedial	Thresholds		100 ^A		10				50			100	250 ^B

Bolded values are in excess of the NMOCD Remediation Thresholds

-- Not Analyzed

Note Shaded cells indicate excavated areas

^A In heu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes

^B Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L

^C Detected, but below the Reporting Limit, therefore, results is an estimated concentration

Summary of Pasture Excavation Soil Sample Analytical Results

Centurion Pipeline - Mobil State ZZ Tank Battery (Ref. #255001)

Sample ID	Depth (feet)	Sample Date	Soil Status	PID Reading	Field Chloride	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO C6-C10	DRO C10-C-28	ТРН C6-C28	Chloride
	((ppm)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
H2-BHN (6')	6	30-Apr-07	In Situ	1.1		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	109	109	32
H2-BHS (5')	5	30-Apr-07	In Sıtu	1.7		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	29.0	29.0	32
H2-BH-3 (4')	4	04-May-07	In Situ	4.7		<0 002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	<10.0	<20 0	64
H2-NSW-1 (4')	4	30-Apr-07	In Situ	4.5		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	712	712	48
H2-NSW-2 (2')	2	30-Apr-07	In Situ	2.1		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	159	159	112
H2-NSW-3 (3')	3	04-May-07	In Situ	58.6		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	853	853	80
H2-ESW-1(3')	3	-30-Apr-07	Excavated	56.5 🖀					- *		≤10.0	4,130	4,130	a de la composición d la composición de la co la composición de la c
H2-ESW-1B (3')	3	04-May-07	In Situ	2.7		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	19.0	19.0	48
H2-ESW-2 (1)		30-Apr-07	Excavated	7.2		<0.002	<0.002	<0.002	<0.006	≤0.012	4 <10.0	300	1,300 1	32
H2-SESW-1 (2')	2	04-May-07	In Situ	3.6		< 0.002	< 0.002	< 0.002	< 0.006	<0 012	<10.0	<10 0	<20.0	32
H2-SESW-2 (3')	3	04-May-07	In Situ	5.1		< 0.002	< 0.002	<0 002	< 0.006	< 0.012	<10.0	<10.0	<20.0	48
H2-SSW-1 (3')	3	30-Apr-07	In Situ	1.5		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	30.9	30.9	64
H2-SSW-2 (1')	1	30-Apr-07	In Situ	3.2		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	88.7	88.7	64
H2-WSW-1 (3')	3	30-Apr-07	In Situ	1.0		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	16.8	16.8	64
H2-WSW-2 (2')	2	30-Apr-07	In Situ	0.9		< 0.002	< 0.002	< 0.002	< 0.006	< 0.012	<10.0	24.5	24.5	16
NMOCD Re	medial Th	resholds		100 ^A		10				50			100	250 ^B

Bolded values are in excess of the NMOCD Remediation Thresholds

-- Not Analyzed

Note Shaded cells indicate excavated areas

^A In heu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes

^B Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L

^c Detected, but below the Reporting Limit, therefore, results is an estimated concentration

Summary of Groundwater Analytical Results

	Sampl	e Date	NMWQCC
Analytical parameter	17-Aug-06	24-Jul-07	Groundwater Standard
Benzene (mg/L)	< 0.002	< 0.002	0.010
Toluene (mg/L)	< 0.002	< 0.002	0.750
Ehtylbenzene (mg/L)	< 0.002	< 0.002	0.750
m,p-o Xylene (mg/L)	< 0.006	< 0.006	0.620
Chloride (mg/L)	96	52	250
Sulfate (mg/L)		67	600
Acenaphthene (ug/L)		<2	
Acenaphthylene (ug/L)		<2	
Anthracene (ug/L)		<2	
Benzo(a)anthracene (ug/L)		<2	
Benzo(a)pyrene (ug/L)		<2	0.7
Benzo(b)fluoranthene (ug/L)		<2	
Benzo(g,h,i)perylene (ug/L)		<2	
Benzo(j,k)fluoranthene (ug/L)		<2	
Chrysene (ug/L)		<2	
Dibenz(a,h)anthracene (ug/L)		<2	
Fluoranthene (ug/L)		<2	
Fluorene (ug/L)		<2	
Indenol(1,2,3-cd)pyrene (ug/L)		<2	
1-Methylnapthlene (ug/L)		<2	
2-Methylnapthlene (ug/L)		<2	30
Naphthalene (ug/L)		<2	
Phenanthrene (ug/L)		<2	
Pyrene (ug/L)		<2	

Centurion Pipeline - Mobil State ZZ Tank Battery (Ref. #255001)



PHONE (505) 393-2326 . 101 E MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505)394-0201

 Receiving Date:
 08/17/06
 FA

 Reporting Date:
 08/21/06

 Project Owner:
 CENTURION PIPELINE, L.P. (#255001)

 Project Name:
 MOBIL STATE ZZ TANK BATTERY

 Project Location:
 NOT GIVEN

Sampling Date: 08/17/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

	GRO	DRO			ETHYL	TOTAL
SAMPLE ID	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	BENZENE	TOLUENE	BENZENE	XYLENES
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
DATE:	08/18/06	08/18/06	08/18/06	08/18/06	08/18/06	08/18/06
T1-3"	<10.0	640	<0.005	<0.005	< 0.005	<0.015
T1-2'	<10.0	<10.0	<0.005	<0.005	< 0.005	< 0.015
T1-4'	34.8	402	0.059	5.59	8.69	24.8
T2-3"	<10.0	17.7	<0.005	<0.005	<0.005	<0.015
T2-2'	312	716	0.610	11.9	18.2	44.4
T2-4'	2550	3880	14.4	183	169	144
T2-6'	680	1260	0.910	41.6	64.8	51.8
T2-8'	<10.0	47.1	0.016	0.120	0.094	0.097
T2-10'	<10.0	<10.0	0.012	0.012	<0.005	<0.015
T2-12'	<10.0	115	0.027	0.369	0.691	0.699
T3-3"	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
T3-2'	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
T3-4'	<10.0	<10.0	<0.005	0.017	0.016	0.019
T4-3"	<10,0	189	0.039	0.273	0.183	0.215
T4-2'	45.9	2510	0.013	0.207	0.293	0.726
T4-4'	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
T4-6'	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
BERM-N-1'	<10.0	218	<0.005	<0.005	0.009	<0.015
BERM-E-1'	<10.0	90.5	<0.005	<0.005	<0.005	<0.015
BERM-S-1'	<10.0	99.5	<0.005	<0.005	<0.005	<0.015
BERM-W-1'	<10.0	129	<0.005	0.019	0.015	0.019
rol	754	771	0.100	0.098	0.099	0.299
20	800	800	0.100	0.100	0.100	0.300
	94.2	96.3	100	97.9	98.7	99.6
cent Difference	0.7	3.4	3.0	6.3	1.7	0.1
	SAMPLE ID DATE: T1-3" T1-2' T1-2' T2-3" T2-3" T2-2' T2-4' T2-6' T2-6' T2-8' T2-10' T2-10' T2-12' T3-3" T3-2' T3-4' T4-3" T4-2' T4-4' T4-4' T4-6' BERM-N-1' BERM-S-1' BERM-S-1' BERM-W-1' COL DC Cent Difference	GROSAMPLE ID $(C_6 \cdot C_{10})$ (mg/Kg)DATE:08/18/06T1-3"<10.0	GRODROSAMPLE ID $(C_6 \cdot C_{10})$ $(>C_{10} \cdot C_{28})$ (mg/Kg)DATE:08/18/0608/18/06T1-3"<10.0	GRODROSAMPLE ID $(C_6 \cdot C_{10})$ (mg/Kg) (mg/Kg) (mg/Kg) BENZENE (mg/Kg) DATE:08/18/0608/18/0608/18/06T1-3"<10.0	GRODROSAMPLE ID $(C_6 \cdot C_{10})$ $(\succ C_{10} \cdot C_{28})$ BENZENETOLUENE(mg/Kg)(mg/Kg)(mg/Kg)(mg/Kg)(mg/Kg)DATE:08/18/0608/18/0608/18/0608/18/06T1-3"<10.0	GRODROETHYLSAMPLE ID $(C_6^{+}C_{10})$ $(>C_{10}^{-}C_{28})$ BENZENETOLUENEBENZENE (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) JATE:08/18/0608/18/0608/18/0608/18/0608/18/0608/18/06T1-3"<10.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

H11453A

PLEASE NOTE: Llability and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount part by chent for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the hypticable 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 subscharaes, affikates or successors ansing out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505)394-0201

Receiving Date: 08/17/06 Reporting Date: 08/21/06 Project Owner: CENTURION PIPELINE, L.P. (#255001) Project Name: MOBIL STATE ZZ TANK BATTERY Project Location: NOT GIVEN Sampling Date: 08/17/06 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/AB

					EIHYL	TOTAL
LAB NO.	SAMPLE ID	CL	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ANALYSIS D	ATE:	08/18/06	08/21/06	08/21/06	08/21/06	08/21/06
H11453-22	WW-1	96	<0.002	<0.002	<0.002	<0.006
				· · · · · · · · · · · · · · · · · · ·		
Quality Contr	0	980	0.094	0.104	0.103	0.302
True Value Q	C	1000	0.100	0.100	0.100	0.300
% Recovery	······································	98.0	93.6	104	103	101
Relative Perc	ent Difference	2.0	7.4	5.6	4.5	0.9

METODS: Cl' - Std. Methods 4500-Cl'B; BTEX - EPA SW-846-8020

21/06 Date

PLEASE NOTE: Liability and Damages Cardinal's liability and dient's exclusive remedy for any claim arising, whether based in contract or fort, shall be immed to the amount paid by chent for inciders. 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 the program ball 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise

101 East Marland, H	Hobbs, NM 88240					211	11 B		hwc	od,	Abi		e, TX 796	03								1 of	3			
Company Name	Environmental Plus	Inc				910	<u>, 0-c</u>	3-71	101	57	Rill	10-0	5/3-/020	3 5 1 1 1 10	- North			ΔN		SIS	RF		ST			<u> </u>
EPI Project Manag	er Pat McCasland	, 1110	/ a Militian			<u></u>	ંચ્છે	105 /			111	<u>810</u>	is profession of the second	es e sei	1								<u> </u>	Ť	Ť	
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EPI Phone#/Fax#	505-394-3481 / 505-3	394-	260	1						<u>and</u>	E.	P	A CONTRACTOR OF													
Client Company	Centurion Pipeline, L	Ρ.							L L		Per															
Facility Name	Mobil State ZZ Tank	Ba	tter	V							m															
Project Reference	#255001											1.1.1.1	, » ⁻													
EPI Sampler Name	George Blackburn																									
						MA	TRIX			PF	ESE	RV.	SAMF	PLING]						
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4 [°])	pH	TCLP	OTHER >>>					
N/1452-1 1T1	1-3" 🔬	X	1	Ī		X					Х		8/17/06	8:00	X	X		İ		T		\square		1		
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-7 3 T1	1-4'	X	1			X					Х		8/17/06	8:50	X	X				Î				Т		
-ý 4 T	2-3"	X	1			Х					X		8/17/06	9:10	X	X										
<u>~5</u> T2	2-2'	X	1			X					X		8/17/06	9:30	X	X										
-6 6 T	2-4'	X	1			X	L				X		8/17/06	11:06	X	X										
<u>-7 7 T2</u>	2-6'	X	1		<u> </u>	<u> </u>		<u> </u>			X		8/17/06	11:17	X	X	<u> </u>	<u> </u>	ļ		ļ					
~ <u>{</u> 8 T2	2-8'	X	1	<u> </u>	L	X	ļ	ļ	ļ	ļ	X	ļ	8/17/06	11:34	X	X		<u> </u>	Ļ	<u> </u>	<u> </u>					
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Client Company	Centurion Pipeline, L	.P.							· · · · · ·		(U)	1		۲.					l .						
Facility Name	Mobil State ZZ Tank	кВа	tter	у							ÌM														
Project Referenc	e #255001										(SCH 0	10319													
EPI Sampler Nam	ne George Blackburn	–								2040.															
		<u>^</u> .				MA'	TRIX			PR	ESE	RV.	SAMF	PLING											
LAB I.D.	LAB I.D. SAMPLE I.D.				WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4 ⁼)	рН	TCLP	OTHER >>>				
411453-11 1	T3-3"	X	1	L		X					X		8/17/06	9:45	X	X					L				
1Z_ 2	LAB I.D. SAMPLE I.D. \forall How the second secon						Ļ		Ļ_		X		8/17/06	9:50	X	<u>X</u>		L_	L	<u> </u>	L				
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101 East Marland	, Hobbs, NM 88240					211			hwo	ood,	Ab	ilene	e, TX 796	03								3 of	3			
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LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO₄ [™])	PH	TCLP	OTHER >>>					
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PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 10/12/06 Reporting Date: 10/17/06 Project Owner: CENTURION PIPELINE, L.P. (#255001) Project Name: MOBIL STATE ZZ TANK BATTERY Project Location: NOT GIVEN Sampling Date: 10/11/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

		GRO	DRO			ETHYL	TOTAL
LAB NO.	SAMPLE ID	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/K g)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS I	DATE:	10/14/06	10/14/06	10/16/06	10/16/06	10/16/06	10/16/06
H11653-1	SB-1 (15')	10.1	324	<0.005	0.024	0.378	0.714
H11653-2	`SB-1 (20')	<10.0	27.3	<0.005	<0.005	<0.005	<0.015
H11653-3	SB-1 (25')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11653-4	SB-1 (30')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11653-5	SB-2 (5')	<10.0	<10.0	< 0.005	<0.005	<0.005	<0.015
H11653-6	SB-2 (10')	<10.0	<10.0	< 0.005	<0.005	<0.005	<0.015
H11653-7	SB-2 (15')	<10.0	<10.0	< 0.005	<0.005	<0.005	<0.015
Quality Con	trol	776	741	0.100	0.101	0.102	0.294
True Value	QC	800	800	0.100	0.100	0.100	0.300
% Recovery	/	97.0	92.6	100	101	102	98.0
Relative Pe	rcent Difference	1.4	6.9	4.0	1.0	0.3	0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

20,1/109

Date

H11653

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the annount paid by ckent 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 tor incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, it's subsidiaries, alfiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

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Billing Address	P.O. BOX	1558		1								e ansi Norsi		25.												
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Client Company	Centurion	Pipeline, L	.P.									÷۲	1	New States												
Facility Name	Mobil Sta	te ZZ Tank	Ba	tter	v					2.20		ìm	Ĩ.													
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LAB I.D.	SAMPLE I.I	D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO₄ [™])	hd	TCLP	OTHER >>>				
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5	SB2-5'		G	1			Х			ŀ		X		10/11/06	3:45	X	X									
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Sampler Relinquished: Date 10-11-06 Received By: Fax Results To Pat McCasland - EPI @ 505-394-2601 Relinquished by: Date 10-12-06 Received By: (lab staff) Received By: (lab staff) W M M M Delivered by: Sample Cool & Intact Checked By: No No																										

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Company Name	Environm	nental Plus,	Inc	.								<u>الأرام</u>		Го				A	NA	LYS	IS F	IEQ	UES	ST.	ية المي المانية. الم المي المانية
EPI Project Mana	ager Jason Ste	egemoller																					\square	\square	
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Location	UL-F, Sec	rt. 7, T 17 S	, R	35	E		1			Att	n: J	lasc	on S	itegemoller											
Project Reference	ce 255001						1		21	00	Ave	nue	e O/I	P.O. Box 1558	8										
EPI Sampler Nan	PI Sampler Name David Robinson						1		I	Eun	ice,	Ne	w M	lexico 88231											
							MA	TRIX			PR	ESE	RV.	SAMPLI	NG]									
LAB I.D.	SAMPLE I.	D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL		SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO4 [®])	Hq	TCLP	OTHER >>>	РАН		
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-2	H2-ESW-1B (3')		G	1	<u>†</u>		11					X		04-May-07	13:01	X	X	x	Ì	T					
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PHONE (325) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 79603

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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 04/24/07 Reporting Date: 04/25/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E Sampling Date: 04/23/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

				ETHYL	TOTAL
	•	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DAT	TE.	04/24/07	04/24/07	04/24/07	04/24/07
H12506-1	NSW-1 (2')	< 0.005	< 0.005	<0.005	<0.015
H12506-2	NSW-2 (6')	<0.005	<0.005	<0.005	<0.015
H12506-3	WSW-1 (3')	< 0.005	< 0.005	<0.005	<0.015
H12506-4	WSW-2 (5')	<0.005	<0.005	<0.005	<0.015
H12506-5	BH-1 (7')	<0.005	< 0.005	<0.005	<0.015
H12506-6	BH-2 (12')	0.193	3.32	11.8	1.31
H12506-7	BH-2 (14')	< 0.005	0.102	0.225	0.380
Quality Control		0.103	0.109	0.103	0.296
True Value QC		0.100	0.100	0.100	0.300
% Recovery		103.0	109	103	98.6
Relative Percer	nt Difference	0.7	4.0	1.1	1.0

METHOD: EPA SW-846 8260

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arking, whether based in contract or tort, shall be limited to the amount paid by client for anxiyses All claims, isoluting threafur negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thinty (30) days after completion of the applicable service. In more thanking the liable tor incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiantes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise



PHONE (505) 393-2326 + 101 E MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 04/24/07 Reporting Date: 04/25/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E

Sampling Date: 04/23/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/HM

	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DATE	04/24/07	04/24/07	04/25/07
H12506-1 NSW-1 (2')	<10.0	<10.0	48
H12506-2 NSW-2 (6')	<10.0	<10.0	144
H12506-3 WSW-1 (3')	<10.0	<10.0	208
H12506-4 WSW-2 (5')	<10.0	<10.0	288
H12506-5 BH-1 (7')	<10.0	<10.0	112
H12506-6 BH-2 (12')	131	614	112
H12506-7 BH-2 (14')	<10.0	387	112
Quality Control	780	785	480
True Value QC	800	800	500
% Recovery	98.1	98.1	96.0
Relative Percent Difference	0.5	0.7	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B *Analyses performed on 1:4 w:v aqueous extracts.

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H12506A EPI

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(505) 394-3481	FAX: (505) 394-2601								-												Lab	: Ca	rdir	ıal		-
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Facility Name Mobil State ZZ Tank Btry																										
Location UL-F, Sect. 7, T 17 S, R 35 E Attn: Jason Stegemoller																										
Project Reference	e 255001								21	00 /	Ave	nue	0/F	P.O. Box 1558	}											
EPI Sampler Nan	ne David Rob	oinson							E	Eun	ice,	Nev	w_M	exico 88231												
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11 - 2	NSW-2 (6')		G	1			1					X		23-Apr-07	12:16	X	X	<u> </u>	Ļ	L						
<u> </u>	WSW-1 (3')	والمراجع المراجع المراجع المراجع	G	1			1					X		23-Apr-07	12:17	X	X	X		ļ						
4	WSW-2 (5')	ing The block of the	G	1			1					X		23-Apr-07	12:18	X	X	X	ļ							
5	BH-1 (7')		G	1			1					X	Ļ	23-Apr-07	12:19	X	X	X	ļ		L	L				
6	BH-2 (12')		G	1			1					X	 	23-Apr-07	14:30	X	X	X			ļ	<u> </u>				
7	BH-2 (14')		G	1		ļ	1	Ļ	<u> </u>	ļ	ļ	X	Ļ	23-Apr-07	14:32	X	<u> x</u>	<u> X</u>	<u> </u>		 	<u> </u>	<u> </u>	 '		
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Laver Alun	apil	Time 11:04 A	2	70	in	m		177	<u>e</u>			REN	III resu	S: Analyzø TPH first, Jits ASAP.	it over 1,000	mg/K	g disr	egard	quar	tificati	ion of	rema	ning a	inalyte	es. Pie	ase
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Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 (505) 394-3481 FAX: (505) 394-2601 P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form Pg. 1 of 1 Lab: Cardinal

ANALYSIS REQUEST 家资源 Environmental Plus, Inc. BIIITO **Company Name** EPI Project Manager **Jason Stegemoller** Mailing Address P.O. BOX 1558 City, State, Zip Eunice New Mexico 88231 EPI Phone#/Fax# 505-394-3481 / 505-394-2601 **Client Company Centurion Pipeline Facility Name** Mobil State ZZ Tank Btry UL-F, Sect. 7, T 17 S, R 35 E Location Attn: Jason Stegemoller **Project Reference** 255001 2100 Avenue O/P.O. Box 1558 EPI Sampler Name **David Robinson** Eunice, New Mexico 88231 PRESERV. SAMPLING MATRIX (G)RAB OR (C)OMP. CHLORIDES (CI') SULFATES (SO4^{*}) **GROUND WATER** (so₄") # CONTAINERS WASTEWATER CRUDE OIL SLUDGE BTEX 8021B LAB I.D. SAMPLE I.D. ACID/BASE **TPH 8015M** Å ICE/COOL OTHER: OTHER > PAH OTHER TCLP SOIL Hd DATE TIME H12 528- 1 BH-4 (9') X X X G 26-Apr-07 11:30 X 1 1 X 26-Apr-07 11:31 Х X Х - 2 BH-5 (8') G 1 1 G Х 26-Apr-07 11:32 X 1 Х Х r 3 SSW-1 (6') 1 X Х X SSW-2 (4') G 1 26-Apr-07 11:33 Х _ 1 Х X Х G 11:34 Х WSW-3 (4') 1 1 26-Apr-07 معين 10 Sampler Relinquished: Received By - 30-07 E-mail results to: jstegemoller@envplus.net am REMARKS: Analyze TPH first, if over 1,000 mg/Kg disregard quantification of remaining analytes, Please Kohinson David email results ASAP. Relinquished by: Of X. Delivered by: Checked By Sample-Gool & Intact Yes No



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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 04/30/07 Reporting Date: 05/03/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E Sampling Date: 04/26/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: HM/LB

					EIHYL	TOTAL
LAB NO.	SAMPLE ID	Cr	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DA	ATE:	05/02/07	05/03/07	05/03/07	05/03/07	05/03/07
H12528-1	BH-4 (9')	128	<0.002	<0.002	< 0.002	<0.006
H12528-2	BH-5 (8')	80	<0.002	<0002	< 0.002	<0.006
H12528-4	SSW-2 (4')	272	<0.002	<0.002	< 0.002	<0.006
H12528-5	WSW-3 (4')	192	<0.002	<0.002	<0.002	<0.006
Quality Contro	pl	500	0.098	0.098	0.098	0.301
True Value Q	C	500	0.100	0.100	0.100	0.300
% Recovery		100	98.1	98.4	98.7	100.3
Relative Perce	ent Difference	<0.1	3.0	4.5	5.2	5.1

*Analyses performed on 1:4 aqueous extracts. METHODS: CI - Std. Methods 4500-CI'B; BTEX - EPA SW-846 8021 B

Burgess J. A. Cooke, Ph. D.

Date

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Receiving Date: 04/30/07 Reporting Date: 05/02/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E Sampling Date: 04/26/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

		GRO	DRO
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)
ANALYSIS DAT	E:	05/01/07	05/01/07
H12528-1	BH-4 (9')	<10.0	250
H12528-2	BH-5 (8')	<10.0	91.6
H12528-3	SSW-1 (6')	1170	7200
H12528-4	SSW-2 (4')	<10.0	83.2
H12528-5	WSW-3 (4')	<10.0	<10.0
		,	
Quality Control		794	800
True Value QC		800	800
% Recovery		99.3	100
Relative Percer	nt Difference	1.9	2.9

METHOD: SW-846 8015 M

rjessfa, Cooky

512/ Date

H12528A EPI

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Environn	nental Plus, Inc.																<u>C</u>	ha	<u>in c</u>	<u>of C</u>	<u>)us</u>	toc	<u>ty F</u>	<u>Form</u>
2100 Avenue O. I	Eunice. NM 88231	P.0). B	ox 1	1558	3. EI	ınic	e. N	м	882:	31									Pg.	1 of	1		
(505) 394-3481	FAX: (505) 394-2601					,		-, -												Lab	: Ca	rdir	nal	
Company Name	Environmental Plus	Inc	<u></u>			記録	7.38		LXI.		NRE E		o -				A	IAI	YSI	S R	EQI	UES	The	
EPI Project Mana	iger Jason Stegemoller					Control Control			999.022.04		AT THE EAST OF			and the second se							T		T	
Mailing Address	P.O. BOX 1558										ai	1000										[1	
City, State, Zip	Eunice New Mexico	882	31								AL.	Щ												
EPI Phone#/Fax#	505-394-3481 / 505-	394-	260	1						1993 (1993) (1993) (1993) (1993) (1993)	I -	P,)												
Client Company	Client Company Centurion Pipeline											m							1 1					
Facility Name								•	91.															
Location	UL-F, Sect. 7, T 17 5	5, R	35	E					Att	n: J	asc	on S	teaemoller											
Project Referenc	e 255001							21	00 /	Ave	nue	0/	P.O. Box 1558	3										
EPI Sampler Nam	ne David Robinson							E	Euni	ice,	Ne	w M	lexico 88231											
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H12529 - 1	H2 BHN (6')	G	1			1					X		30-Apr-07	13:45	X	X	X							
- 2	H2 BHS (5')	G	1			1					X		30-Apr-07	13:46	X	X	X							
- 3	H2 NSW-1 (4')	G	1			1					X		30-Apr-07	13:47	X	LX.	X		\downarrow					
- 4	H2 NSW-2 (2')	G	1			1					X		30-Apr-07	13:48	X	X	X	L	<u> </u>					
- 5	H2 ESW-1 (3')	G	1		Ļ	1					X		30-Apr-07	13:49	X	X	X	L	<u> </u>					
۳ 6	H2 ESW-2 (1')	G	1	ļ		1					<u> </u>		30-Apr-07	13:50	X	<u> </u>	X	 	┢					
- 7	H2 SSW-1 (3')	G	1			1					X	ļ	30-Apr-07	13:51	X	X	X	<u> </u>	<u> </u>					
- 8	H2 SSW-2 (1')	G	1		ļ	1					<u>LX</u>	L	30-Apr-07	13:52	X	X	X	<u> </u>	┢					
- 9	H2 WSW-1 (3')	G	1			1					<u> </u>	<u> </u>	30-Apr-07	13:53	X	X	X	<u> </u>	<u> </u>	ļ				┝━━╇━
- 10	H2 WSW-2 (2')	G	1			1			<u> </u>		<u>X</u>		30-Apr-07	13:54	<u> X</u>	X	X							L_L_
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Sampler Relinquished:	Date 4-30-0	Reci	eived	By:			1		. /	1	E-n	nail r	results to: jsteg	emoller@e	nvp	lus.r	net							-
David Kohi	150 m Time 4:15 P		10	n	02	$\underline{\lambda}$	<u>1</u> U	¥1	ns	(REN ema	MARKS ul resu	 Analyze TPH first, ults ASAP. 	it over 1,000	mg/K	g disr	egard	quar	uncati	on of	remai	ning á	inalyte	is. Please
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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 04/30/07 Reporting Date: 05/03/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E Sampling Date: 04/30/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: HM/LB

					ETHYL	TOTAL
LAB NO.	SAMPLE ID	CI-*	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
	· .					
ANALYSIS D	ATE:	05/02/07	05/03/07	05/03/07	05/03/07	05/03/07
H12529-1	H2 BHN (6')	32	<0.002	<0.002	< 0.002	<0.006
H12529-2	H2 BHS (5')	32	< 0.002	<0.002	<0.002	<0.006
H12529-3	H2 NSW-1 (4')	48	<0.002	<0.002	<0.002	<0.006
H12529-4	H2 NSW-2 (2')	112	< 0.002	<0.002	< 0.002	<0.006
H12529-6	H2 ESW-2 (1')	32	<0.002	<0.002	<0.002	<0.006
H12529-7	H2 SSW-1 (3')	64	<0.002	<0.002	< 0.002	<0.006
H12529-8	H2 SSW-2 (1')	64	· <0.002	<0.002	< 0.002	<0.006
H12529-9	H2 WSW-1 (3')	64	<0.002	<0.002	<0.002	<0.006
H12529-10	H2 WSW-2 (2')	· 16	< 0.002	<0.002	< 0.002	<0.006
Quality Cont	rol	500	0.098	0.098	0.098	0.301
True Value C	QC	500	0.100	0.100	0.100	0.300
% Recovery		100	98.1	98.4	98.7	100.3
Relative Per	cent Difference	- <0.1	3.0	4.5	5.2	5.1

*Analyses performed on 1:4 aqueous extracts.

METHODS: CI - Std. Methods 4500-CI'B; BTEX - EPA SW-846 8021 B

Burgess J. A. Cooke, Ph. D.

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Date

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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 04/30/07 Reporting Date: 05/02/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E Sampling Date: 04/30/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

			GRO	DRO
		(1	C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)
LAB NUMBER	SAMPLE ID	· (1	mg/Kg)	(mg/Kg)

ANALYSIS DAT	E:	05/01/07	05/01/07
H12529-1	H2 BHN (6')	<10.0	109
H12529-2	H2 BHS (5')	<10.0	29.0
H12529-3	H2 NSW-1 (4')	<10.0	712
H12529-4	H2 NSW-2 (2')	<10.0	159
H12529-5	H2 ESW-1 (3')	<10.0	4130
H12529-6	H2 ESW-2 (1')	<10.0	300
H12529-7	H2 SSW-1 (3')	<10.0	30.9
H12529-8	H2 SSW-2 (1')	<10.0	88.7
H12529-9	H2 WSW-1 (3')	<10.0	16.8
H12529-10	H2 WSW-2 (2')	<10.0	24.5
Quality Control		794	800
True Value QC		800	800
% Recovery		99.3	100
Relative Percen	t Difference	1.9	2.9

METHOD: SW-846 8015 M

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H12529A EPI

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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 05/07/07 Reporting Date: 05/09/07 Project Number: 255001 Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E

Sampling Date: 05/04/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AB Analyzed By: BC/AB

	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DATE	05/08/07	05/08/07	05/07/07
H12551-1 H2-NSW-3 (3')	<10.0	853	80
H12551-2 H2-ESW-1B (3')	<10.0	19.0	48
H12551-3 H2-SESW-1 (2')	<10.0	<10.0	32
H12551-4 H2-SESW-2 (3')	<10.0	<10.0	48
H12551-5 H2-BH-3 (4')	<10.0	<10.0	64
Quality Control	749	789	500
True Value QC	800	800	500
% Recovery	93.6	98.6	· 100
Relative Percent Difference	8.8	1.9	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI^{*}: Std. Methods 4500-CI^{*}B *Analyses performed on 1:4 w:v aqueous extracts.

MEADAR COM

H12551A EPI

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Receiving Date: 05/07/07 Reporting Date: 05/09/07 Project Number: 255001 Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F, SECT. 7, T 17 S, R 35 E Sampling Date: 05/04/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AB Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DA	ſE	05/08/07	05/08/07	05/08/07	05/08/07
H12551-1	H2-NSW-3 (3')	<0.002	<0.002	<0.002	<0.006
H12551-2	H2-ESW-1B (3')	<0.002	< 0.002	< 0.002	<0.006
H12551-3	H2-SESW-1 (2')	< 0.002	<0.002	< 0.002	< 0.006
H12551-4	H2-SESW-2 (3')	<0.002	<0.002	< 0.002	< 0.006
H12551-5	H2-BH-3 (4')	<0.002	<0.002	<0.002	<0.006
			·		
Quality Control		0.098	0.104	0.103	0.315
True Value QC		0.100	0.100	0.100	0.300
% Recovery		98.7	104	103	105
Relative Percer	nt Difference	7.8	7.9	7.6	7.0

METHOD: EPA SW-846 8021B

Ben Mala, Cook

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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC, ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 05/08/07 Reporting Date: 05/09/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F SECT. 7, T 17 S, R 35 E

Sampling Date: 05/07/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: BC/AB

LAB NUMBER SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE	05/08/07	05/08/07	05/08/07
H12569-1 SSW-1A (7')	<10.0	<10.0	<16
H12554-2 SSW-2B (4')	<10.0	<10.0	<16
Quality Control	779	791	500
True Value QC	800	800	500
% Recovery	98.8	97.4	100
Relative Percent Difference	0.9	1.8	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI^{*}: Std. Methods 4500-CI^{*}B *Analyses performed on 1:4 w:v aqueous extracts.

Merfa Coshy

H12569A EPI

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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise



PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC, ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 05/08/07 Reporting Date: 05/11/07 Project Owner: CENTURION PIPELINE (255001) Project Name: MOBIL STATE ZZ TANK BTRY Project Location: UL-F SECT. 7, T 17 S, R 35 E Sampling Date: 05/07/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	ſE	05/10/07	05/10/07	05/10/07	05/10/07
H12569-1	SSW-1A (7')	< 0.005	< 0.005	<0.005	< 0.015
H12569-2	SSW-2B (4')	<0.005	<0.005	<0.005	<0.015
				ť	
Quality Control	· · · · · · · · · · · · · · · · · · ·	0.103	0.100	0.097	0.278
True Value QC		0.100	0.100	0.100	0.300
% Recovery		103	100	97.4	92.6
Relative Percer	nt Difference	0.6	10.0	5.6	4.6

METHOD: EPA SW-846 8260

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PLEASE NOTE. Liability and Damages Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or fort, shall be limited to the amount part by client for analyses. All claims, whether based in contract or fort, shall be limited to the amount part by client for analyses service in motivation and inclusives interruptions, loss of use, or loss of profils incurred by client, its subsidiantes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise

2100 Avenue O, I (505) 394-3481	Eunice, NM 88231 FAX: (505) 394-2601	Р.С). B	ox ;	1558	8, E(unic	:e, I	VM a	882	31									Pg. Lał	1 of p: Ca	1 ardi	nal		
Company Name	Environmental Plus	, Inc).								E		ſo -				A	NAI	YS	IS F	EQ	UE S	ST .	::::::::::::::::::::::::::::::::::::::	1964 1965
EPI Project Mana	iger Jason Stegemoller					-																			
Mailing Address	P.O. BOX 1558										5														
City, State, Zip	Eunice New Mexico	882	231								J.		10000000												
EPI Phone#/Fax#	505-394-3481 / 505-3	394-	260	1							₹_	P,			Ì										
Client Company	Centurion Pipeline											R.													
Facility Name	Mobil State ZZ Tank	Btr	У								-	33-													
Location	UL-F, Sect. 7, T 17 S	5, R	35 I	1					Att	n: J	asc	n S	tegemoller												
Project Referenc	e 255001							21	00 /	Ave	nue	O/F	P.O. Box 1558	3											
EPI Sampler Nan	ne David Robinson						-	E	Euni	ice,	Ne	w M	exico 88231												
						MAT	RIX			PR	ESE	RV.	SAMPLI	NG]										
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	ТІМЕ	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO4 [®])	рН	тсер	OTHER >>>	РАН			
412569-21	SSW-1A (7')	G	1	İ		1					X		07-May-07	10:00	X	X	X								
2	SSW-2B (4')	G	1			1					X		07-May-07	10:01	X	X	Х								
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Sampler Relinquished: Relinquished by: Delivered by:	Date Time Date Sec. 2- 37 Tune 2: 30 Sample Yes	Rece Rece	eived I aived I V I & Int.	By: By: - - act Io	ab sta	, "N	L Che T	acked 11	By:		E-m REM emai	ARKS I resul	esults to: jstege 3: Analyze TPH first, Its ASAP.	emoller@e if over 1,000	nvpl mg/K	g disre	e t egard	quan	lificatio	on of r	emair	ling a	nalyte	es. Ple	ase

Environmental Plus, Inc.

Chain of Custody Form



PHONE (505) 393-2328 + 101 E. MARLAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 07/24/07 Reporting Date: 07/26/07 Project Owner: NOT GIVEN Project Name: CENTURION PL Project Location: STATE ZZ

Sampling Date: 07/24/07 Sample Type: GOUNDWATER Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: AB

LAB NUMBER SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE	07/25/07	07/25/07	07/25/07	07/25/07
H12971-1 WW1	<0.002	<0.002	<0.002	<0.006
	0,105	0.104	0.105	0.320
True Value QC	0.100	0.10D	0.100	0.300
% Recovery	105	104	105	107
Relative Percent Difference	0.8	0.7	0.2	0.1

METHOD: EPA SW-846 8021B

Buyess Jac Caple

7/26/06

Date

PLEASE NOTE Liability and Damages Cardinal's liability and clien's exclusive remedy for any claim arising, whether based in contract or ion, shall be link ed to the amount park by client for analysis: All claims, topicifing those for negligence and any other cause wheteboaver shall be deemed walved unless made in writing and received by Cardinal within thiny (30) days after completion of the applicable service of provide the provide the test of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise



PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS. NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 07/24/07 Reporting Date: 07/25/07 Project Owner: NOT GIVEN Project Name: CENTURION PL Project Location: STATE ZZ Sampling Date: 07/24/07 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: HM

	Cľ	SO₄
LAB NUMBER SAMPLE ID	(mg/L)	(mg/L)

ANALYSIS DATE:	07/24/07	07/24/07
H12971-1 WW1	52	66.7
Quality Control	490	25.1
True Value QC	500	25.0
% Recovery	98	100
Relative Percent Difference	2.0	1.8

METHODS: CI: Std, Methods 4500-CI'B; SO4: EPA 600 375.4

H12971 EPI

. . .

67-25-07 Date

PLEASE NOTE: Liability and Demages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tert, shall be limited to the amount pald by client for analyses. All carms, including those for negligence and any other cause whatsoever shall be deamad warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable earned warved in no event shall Cardinal be lightly and client's exclusive remedy for any value limited to a profit to the applicable. Service in no event shall Cardinal be lightly for the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-alated reasons or otherwise.



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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: JASON STEGEMOLLER P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Analysis Date: 07/30/07 Sampling Date: 07/24/07 Sample Type: GOUNDWATER Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: BC

POLYNUCLEAR AROMATIC HYDROCARBON - 8270 (nom)

Receiving Date: 07/24/07

Reporting Date; 07/31/07

Project Owner: NOT GIVEN

Project Location: STATE ZZ

Sample ID: H12971-1

Lab Number; WW1

Project Name: CENTURION PL

HYDROCARBON - 8270 (ppm)		Sample Result	Method			True Value
		H12971-1	Blank	QC	%Recov.	ac
1	Naphthalene	<0.002	<0.002	0.049	98	0,050
2	Acenaphthylene	< 0.002	<0.002	0.053	106	0.050
3	Acenaphthene	< 0.002	< 0.002	0.054	108	0.050
4	Fluorene	< 0.002	<0.002	0.054	108	0.050
5	Phenanthrene	< 0.002	<0.002	0.054	108	0.050
6	Anthracene	< 0.002	<0.002	0.053	106	0.050
7	Fluoranthene	< 0.002	<0.002	0.055	110	0.050
8	Pyrene	< 0.002	< 0.002	0.051	102	0.050
9	Benzo(a)anthracene	< 0.002	<0.002	0.055	110	0.050
10	Chrysene	< 0.002	<0.002	0,056	112	0.050
11	Benzo(b)fluoranthene	<0.002	<0.002	0,054	108	0.050
12	Benzo(k)fluoranthene	<0.002	<0.002	0.055	110	0,050
13	Benzo(a)pyrene	<0,002	<0.002	0.057	114	0.050
14	Indeno(1,2,3-cd)pyrene	<0.002	<0.002	0.050	100	0.050
15	Dibenzo(a,h,)anthracene	<0.002	<0,002	0.056	112	0.050
16	benzo(g,h,i)perylene	<0.002	<0,002	0.057	114	0.050

		% Recovery
17	Nitrobenzene-d5	85
18	2-Fluorobiphenyl	76
19	Terphenyl-d14	109

METHODS: EPA SW-846 8270, 3510

yunger Cooke

7/31/07

Date

PLEASE NOTE: Lipbility and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in convect or tor, shull be limited to the amount paid by chemit for analysis. All claims, including these for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal writing (30) days after completion of the apphrotic approxit line by the Devalued by the cause whatsoever shall be deemed walved unless made in writing and received by Cardinal writing (30) days after completion of the apphrotic approxit line by the Devalued by the list of incidental or consequential damages, including, without limitation, business interruptions, lose of use, or tops of profits incurred by client, its subsidiances, attilates or successors ansing out of or related to the performance of services hereander by Cardinal, regardless of whether such claim is based upon any of the above stated teasons or otherwise

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name	* EPT									B	11	l to						ANA	LYSI	S RE	QUE	ST		
Project Manage	TUSON STAIREMONES	٤١						P.0	. #:															
Address: Pr	0, BOX 1558							Cor	пра	ny:]			
city: 401	SAC State:NM	Zlp	: <i>५</i>	z	21			Attı	E.					1										
Phone #: 3	94 3481 Fax #:	_	0-					Ada	ires	s:									Į.	1				
Project #:	Project Owner	r:						City	<i> </i> :										1					
Project Name:	Centurion PL			_				Sta	to:		2	Zip:								-				
Project Locatio	n: State ZZ							Ph	оле	#:				1						l				
Sampler Name	Ground Budding	2						Fax	:#:											1				
FOR LAB USE DIALY		Ι.		— ,	MA	TRI	X		PRE	SER	ŧ٧.	SAMPLI	4G	ן וויי	1									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	<i>د</i> / ⁻	504	PA-H							
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service. In no event shall Cardinal be lighte for nockenal or consequential damages, inclusing wheat limitation, howivers interplans, low of use, or loss of profits included by click, its advantations, units as cristical and the second structure of services interview. Cardinal, regardings of whether such claim is based upon any of the above stand mesons of otherwise.

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Sampler - UPS - Bus - Other:		Yes yes Urin				
		No No Tym		-		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

OSE FILE NUMBER For OSE Use Only

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD and DRILLING LOG

. . .

1. PERMIT HOLDER(S)	
Name: OWNER OF WELL -NOT AVAILABLE	Name: ENVIRONMENTAL PLUS INC
City:	City: EUNICE STATE: NM
State:	Zip: 88231-1558
Zip:	
Phone:	Phone:
Contact	
Contact Phone;	
2. STATE ENGINEER REFERENCE NUMBERS	:
File #, Well <u># STATE 2</u>	2 LEASE TANK BATTERY #1, LEA CO, 12
MILES N OF 524 &1.5MILES E OF 238, PLUGGIN	NG
3. LOCATION OF WELL (The Datum Is Assumed	To Be WGS 84 Unless Otherwise Specified)
Latitude: <u>32</u> Deg <u>51</u>	Min <u>04 N Sec</u>
Longitude: <u>103</u> Deg <u>29</u>	Min 58 W Sec
(Enter Lat/Long To At Lea	ast 1/10 th Of A Second)
Datum If Not WGS 84:	
4. DRILLING CONTRACTOR	
License Number: WD1478	
Name: STRAUB CORPORATION	Work Phone: <u>432-756-3489</u>
Drill Rig Serial Number:	
List The Name Of Each Drill Rig Supervisor That Ma	anaged On-Site Operations During The Drilling
Process:	
MARTIN STRAUB	
5. DRILLING RECORD	
Drilling Began; Completed:	; Drilling Method;
Diameter Of Bore Hole: (in);	
Total Depth Of Well:(ft);	
Completed Well Is (Circle One): Shallow / Artesian:	
Depth To Water First Encountered: 90 (ft);	
Depth To Water Upon Completion Of Well:(ft).	
Do Not Write I	Below This Line
TRN Number:	File Number:
Form: wr-20 May 07 page 1 of 4	

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD and DRILLING LOG

6. RECORD	OF CASING					
Diameter (inches)	Pounds (per ft.)	Threads (per inch)	Depth (feet)	Length Top to Bottom (feet)	Type of Shoe	Perforations (from to)
					· · · · · · · · · · · · · · · · · · ·	

7. RECORD OF MUDDING AND CEMENTING

Depth	Hole	Mud Used	Cement	Method of
(feet)	(diameter)	(# of sacks)	(cubic feet)	Placement
117-4	6"	NA	33 BAGS OF	TOPLOAD
			HOLEPLUG	
4-0	6"	NA	2 BAG OF	TOPLOAD
			CONCRETE	

Do Not Write Below This Line

Trn Number: _____ Form: wr-20 May 07 File Number:

page 2 of 4

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

Ivinute.				
Dep	th			
(fee	feet) Thickness		For Water Bearing	
	<u>'</u>		Ct the	Only and True of Material Essentiation
From	To	(Feet)	Strata	Color and Type of Material Encountered
			Enter The Estimated	
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8. LOG OF HOLE. For Each Water Bearing Strata, Estimate The Yield Of The Formation In Gallons Per Minute.

Enter Method Used To Estimate Yield:____

Do Not Write Below This Line

Trn Number: _____ Form wr-20 May 07

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page 3 of 4

File Number:

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

9. ADDITIONAL STATEMENTS OR EXPLANATIONS:

TYPE OF WELL: STATE 22 LEASE TANK BATTERY #1

COUNTY: LEA

PHYSICAL ADDRESS: 12 MILES N OF 524 & 1.5 MILES EAST OF 238, LAND OWNER: EIDSON RANCH

6" PIPE TO 20FT OPEN HOLE TO TD PULLED LEFT CASING

The undersigned hereby certifies that, to the best of his or her knowledge and belief, the foregoing is a true and correct record of the above described bore hole. The undersigned further certifies that he or she will file this well record with the Office Of The State Engineer and permit holder within 20 days after completion of the well drilling.

MARTIN STRAUB

<u>7-26-07</u> (mm/dd/year)

Do Not Write Below This Line

Trn Number: _____ Form wr-20 May 07

page 4 of 4

File Number: _____

EIDSON RANCH INC.



We have no objections against plugging the water well at this time.

A Sellers AS



Photo #1: Looking easterly across site during initial site assessment.



Photo #2: Looking northerly at north wall of tank battery excavation area.



Photo #3: Looking southerly across pasture excavation area.



Photo #4: Looking down on tank battery excavation area upon completion of backfilling.



Photo #5: Looking northerly across tank battery excavation area after grading/contouring.



Photo #6: Looking easterly across pasture excavation area after grading/contouring.

District I State of 1625 N. French Dr., Hobbs, NM 88240 Energy Minerals District II 1301 W. Grand Avenue, Artesia. NM 88210					New Mexico and Natural R	esources			Revis	Form C-141 ed October 10, 2003	
District III 1000 Rio Brazos Road, Aztec, NM. <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, 1	4 87410 NM 87505		Oil Co 1220 S San	nsei outl ta F	rvation Divisi h St. Francis I e, NM 87505	on Dr.		Submi Dist	t 2 Coj rict Of with	pies to appropriate fice in accordance Rule 116 on back side of form	
	R	elease	Notificatio	in a	and Correc	tive Ac	tion				
			OPERAT	OR	·	\boxtimes	Initia	l Report		Final Report	
Name of Company: Ce	Name of Company: Centurion Pipeline, L.P.					Contact: Darrel Lester					
Facility Name: Mobil S	uniy Koa State ZZ '	<u>a maaa</u> Fank Ba	nd, <u>lexas 7970</u> literv		Facility Type	: (432) (: Crude ()	il Sto	rage Tank			
Surface Owner: Eidsor	1 Ranche	<u>s</u>	Mineral O	wne	er: State of Ne	w Mexico)	Lease	No.: 1	IRP# 1495	
			LOCATIC	ÍN (OF RELEAS	Ê.					
Unit Letter Section To F 7	ownship 17S	Range 35E	Feet from the	No	rth/South Line	Feet from	the	East/West L	ine	County Lea	
	Lati	tude: <u>1</u>	N 32° 51' 04.2	<u>l"</u> I	.ongitude: <u>W</u>	<u>′ 103° 29'</u>	55.2	<u>2"</u>			
T			NATUR	<u>eo</u>	FRELEASE						
Type of Release: Crude Off					4 bbls	lease: Estin	nated a	t Volume k	(ecove	red: none	
Source of Release: Crude oil	storage ta	nk.			Date and Hou	Date and Hour of Occurrence:		Date and	Hour	of Discovery:	
Was Immediate Notice Give	en?	ies 🔯 i	No 🔲 Not Requ	ired	If YES, To W	hom?		1550me 20	<u></u>	<u> </u>	
By Whom?					Date and Hou	r:					
Was a Watercourse Reache	d?	Yes 🖾 I	۲o		If YES, Volume Impacting the Watercourse: Not Applicable						
If a Watercourse was Impac	cted, Desci	ribe Fully	. * Not Applicable			· · · · · ·		• • • • • • • • • • • • • • • • • • •			
Describe Course of Problem	and Dama	dial Activ	m Tokon * A abas	lt vol	we in the Contario	n ninalina (bilad a	nd sourced the			
to overflow. The system was	shut-in, th	e check v	aive replaced and t	he sy	stem placed back	in service.		nu caused me	ciude		
Describe Area Affected and yards of impacted soil from v cubic yards of ambient soil.	Cleanup 2 within the s	Action Ta pill area p	iken.* B&H (Ode, perimeter (i.e., ~2-	ssa, 1 feet l	TX) initiated reme bgs) and blended t	diation activ o less than :	vities e: 5,000 n	xcavating app ng/Kg TPH wi	roxima ith app	tely 185 cubic roximately 500	
As NMOCD remedial goals w protection): TPH 8015m = 10 impacting local groundwater a July 19, 2006). EPI will provi	vere not ac 0 mg/Kg. 1 above NM de the NM	hieved, El Benzene = WQCC gr OCD a Cl	PI was retained to f 10 mg/Kg, and B' roundwater standar losure Report and I	ünali: FEX ds of Final	ze remediation ac = 50 mg/Kg. Chlo 250 mg/L. Groun C-141 upon comp	tivities. Site oride residua dwater dept oletion of res	Remea ds pres h is app mediati	lial Goals (inc ent in the soil proximately 76 ion activities.	luding may n 6.5-fee	water wellhead ot be capable of t bgs (gauged	
I hereby certify that the inform and regulations all operators a endanger public health or the operator of liability should the surface water, human health o for compliance with any other	nation give are required environme eir operatio or the environ r federal, st	n above is to report nt. The a ns have fa onment. I ate. or loc	s true and complete t and/or file certain cceptance of a C-1- ailed to adequately In addition, NMOC cal laws and/or regu	e to the releat 41 rej inves D ac ilatio	he best of my kno use notifications au port by the NMOG stigate and remedi sceptance of a C-1 ms.	wledge and ad perform o CD marked ate contami 41 report do	unders correcti as "Fin nation bes not	tand that purse ive actions for al Report" doc that pose a the relieve the op	nant to release reat to reat to erator	NMOCD rules es which may elieve the ground water, of responsibility	
PAMOON ?						OIL CONSERVATION DIVISION					
Printed Name: Becky Moore					Approved by District Supervisor: Churs Welliams					thans	
Title: Compliance Specialist					Approval Date:	9/19	107	Expiration	Date:	9/19/07	
Amail Address: rebecca_moore@oxy.com REVISEO Pate: 7-24-07 Phone: (432)978-8067 Attach Additional Sheets If Necessary					Conditions of Approval:				Atta	ched	

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

	Release Notification and Corrective Action								
	OPERATOR Initial Report Final Report								Final Report
Name of Company: Centurion Pipeline, L.P. Contact: Darrel Lester									
Address: 2200 East County Road Midland, Texas 79706 Telephone No.: (432) 686-1479									
Facility Name: Mobil State ZZ Tank Battery Facility Type: Crude Oil Storage Tank									
Surface Ov	vner: Eid	son Ranche	s	Mineral Ow	ner: State of No	ew Mexico	Lease	No.: 1	<u>R</u> P# 1495
	LOCATION OF RELEASE								
Unit Letter	Section	Township	Range	Feet from the	orth/South Line	Feet from the	East/West	Line	County
F	7	17S	35E	<u> </u>					Lea
		Lat	itude:]	N 32° 51' 04.21"	Longitude: V	V 103° 29' 55.2	2"		
			-						
T	Carda (<u></u>		NATURE	JF RELEASE			<u></u>	
Type of Keles	ase: Crude (ות			(estimate)	elease: 4 bbis	voiun	ie Reco	vereu: none
Source of Rel	ease: Crude	e oil storage ta	ınk		Date and Ho	ur of Occurrence:	Date a	and Hou	r of Discovery:
					15 June 2005		15 Jun	e 2005	
Was Immedia	ate Notice (Jiven?	Yes 🖂	No 🔲 Not Require	d ITYES, TO V	vhom?			
By Whom?					Data and Ho				
Was a Water	course Rea	ched?			If YES, Volu	me Impacting the	Watercourse		
			Yes 🛛	No	Not Applicab	le			
If a Watercou	urse was Im	pacted, Desc	ribe Full	y.* Not Applicable			· <u>····</u> ······		
Describe Com	on of Duckl	and Dam	dial A ati	on Takan * A shash	when we the Court	ion		1 -	11 -4 41
to overflow.	The system s	em and Kem was shut-in, th	ne check v	alve replaced and the	system placed bac	k in service	and caused th	e crude (oli storage tank
Describe Area	a Affected a	and Cleanup	Action T	aken.* B&H (Odessa	, TX) initiated rem	ediation activities	excavating ap	proxima	tely 185-yd ³ of
impacted soil	from within	the spill area	perimete	r (1.e., ~2-feet bgs) ar	d blended to less t	han 5,000 mg/Kg T	PH with appr	oximate	ly 500 cubic
yards of ambie	ent soil. As l	NMOCD rem	edial goal	s were not achieved, H	PI was retained to	finalize remediation	n activities. A	pproxin	nately 1,746-yd ³
of impacted so	nument Lan	dfarm for trea	otal area	or 1,800-it to a maxir	filled with clean s	oil and pasture area	n was transponent	orted to a blend of	Artesia Aeration
landowner Gr	oundwater o	depth is appro	ximately	78.5-feet bgs (gauged	July 24, 2007). Or	iginal Site Remedia	I Goals (inclu	iding wa	iter wellhead
protection): TI	PH 8015m =	= 100 mg/Kg,	Benzene	= 10 mg/Kg, and BTE	X = 50 mg/Kg. Ch	loride residuals pre	sent in the so	il may no	ot be capable of
impacting loca	al groundwa	ter above NM	WQCC g	roundwater standards	of 250 mg/L. Appr	oval was granted b	y the NMOCI	D to clos	se site with TPH
concentrations	s <1,000 mg State of No	/Kg, provided	l groundw	ater was not impacted	and the water well	l plugged. The onsi	te water well	was plug	gged on 24 July
constituent and	d PAH conc	entrations we	re ND. Cl	loride and sulfate con	centrations were b	elow NMWOCC 9	oundwater st	andards	ale DIEA
I hereby certif	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								NMOCD rules
and regulation	s all operato	ors are require	d to repor	t and/or file certain re	ease notifications	and perform correc	tive actions fo	or release	es which may
endanger publ	ic health or	the environme	ent. The a	cceptance of a C-141	report by the NMC	CD marked as "F1	nal Report" d	bes not r	elieve the
operator of fia	buman heal	th or the envi	ons nave .	In addition NMOCD	vestigate and reme	141 report does no	t that pose a t	hreat to g	ground water,
for compliance	e with any o	ther federal, s	tate, or lo	cal laws and/or regula	tions.	141 report does no	t teneve the o	perator	of responsionity
	OIL CONSERVATION DIVISION								ON
NUM DOLO									
Signature:		now		· · · · · · · · · · · · · · · · · · ·	4		11.	1.1	•
Printed Name	e: Becky M	oore			Approved by D	istrict Supervisor:	(hus)	Vdl	am
	č					al. 1 -			al.1.
Title: Complu	ance Special	list			Approval Date:	9/19/07	Expiration	n Date:	9/19/07
E-mail Addre	. rebecca	moore@oxv	.com		Conditions of A	pproval:			
Q1	2/4 0				Attached				
Date: 0/02 0	+101	Phone: (4	<u>32) 978-8</u>	067					

* Attack Additional Sheets If Necessary