1R - 0334

REPORTS

12/2004 Closure



DUKE ENERGY FIELD SERVICES 370 17th Street Suite 2500 Denver, CO 80202

303 595 3331

December 22, 2004

Mr. Jack Ford, CPG New Mexico Oil Conservation Division 1220 S. St. Francis Dr. Santa Fe, NM 87505

RE: Closure Report for the NMG-148C Pipeline Release (CASE #1R334) Monument, New Mexico Unit N Section 16, T19S R37E

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review one copy of the Closure Report for the NMG-148C Pipeline Release remediation site located on New Mexico State Land in Lea County, New Mexico (Unit N Section 16, T19S R37E).

Based on the request in the New Mexico Oil Conservation Division (OCD) letter dated October 7, 2004, the closure report is a comprehensive report containing the results to date of all remediation and investigation activities associated with the NMG-148C Pipeline Release. The enclosed comprehensive closure report has actually been broken down into two stand alone reports with one report addressing the hydrocarbon-impacted soils and the remaining report addressing the hydrocarbon-impacted groundwater.

All activates associated with the remediation of NMG-148C pipeline release were completed following the requirements set forth in the OCD approvals. Based on the final analytical results all OCD soil remedial goals have been met, therefore, DEFS would like to request closure of the NMG-148C soil remediation activities. DEFS postpones the request for groundwater closure pending receipt and validation of the results from recently-installed well NMG-MW5.

If you have any questions regarding this report, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Mulul H. the For

Stephen Weathers, P.G. Sr. Environmental Specialist

Enclosure

. به هو ه cc: Larry Johnson – OCD District Office Hobbs Lynn Ward – DEFS Midland Environmental Files December 22, 2004

Mr. Stephen Weathers Duke Energy Field Services, LP 370 17th Street, Suite 2500 Denver, CO 80202

Re: Summary of Groundwater Characterization and Monitoring Activities Completed at the NMG-148C Release Site (CASE #1R334) in Lea County New Mexico Unit N, Section 16, Township 19 South Range 37 East,

Dear Mr. Weathers:

This letter summarizes the groundwater characterization and monitoring activity information for the Duke Energy Field Services (DEFS) NMG-148C release location (site). This information was requested by the New Mexico Oil Conservation Division (OCD) in an October 8, 2004 letter. Specifically, OCD required the following items in their letter (note that the paragraph numbers correspond to their original letter):

- 3. Upon completion of the excavation activities, Duke shall install a ground water monitoring well directly adjacent to and downgradient of the excavated area to demonstrate that ground water in the source area has been remediated to New Mexico Water Quality Control Commission (WQCC) ground water standards.
- 4. The monitor well shall be installed and developed in accordance with OCD's prior investigation work plan approval.
- 5. No less than 24 hours after well development, ground water from the newly installed monitor well shall be purged, sampled and analyzed for concentrations of BTEX and polynuclear aromatic hydrocarbons using EPA approved methods and QA/QC procedures.
- 6. In order to provide a point in time snapshot of overall ground water conditions throughout the site, water quality sampling of the newly installed wells shall be coordinated to coincide with a sampling event of all previously installed monitoring wells.
- 8. A comprehensive report containing the results of all remediation and investigation activities shall be submitted to the OCD Santa Fe Office by December 31, 2004 with a copy provided to the OCD Hobbs District Office. The report shall contain:
 - a. A comprehensive description and summary of the results of all past and present soil and ground water investigation, remediation and monitoring activities.

6885 South Marshall St., Suite 3, Littleton, CO 80128 phone 303-948-7733 fax 303-948-7739

- b. A site map showing the location of pipelines, excavations, spills, monitoring wells, recovery wells, and any other pertinent site features.
- c. Summary tables of all past and present soil and ground water quality sampling results including copies of all recent laboratory analytical data sheets and associated QA/QC data.
- d. The disposition of all wastes generated.

This letter provides the above information.

SUMMARY OF ACTIVITES COMPLETED

This section summarizes the investigative activities completed. It partially fulfills the requirements of paragraph 8a.

A barren area resulting from a release in the NMG-148C pipeline was first discovered the week of December 9, 2002. Hand excavation revealed stained and odorous soils within the barren area. DEFS commissioned the installation of a monitor well near the center of the release on December 13, 2002. Continuous samples were logged for lithology and screened with a photoionization detector (PID) until saturated materials were encountered at approximately 28 to 29 feet below ground surface (bgs). The sample with the highest PID reading and the sample immediately above the saturated materials were submitted for testing by an analytical laboratory. The results are summarized below:

			0		_ 0	-	
Depth Interval	FIELD PID	Benzene	Toluene	Ethyl-	Xylenes	GRO	DRO
	Reading	6 7 3		Benzene	(7)		<i>(</i> / /)
(Teet)		(тд/кд)	(mg/kg)	(mg/кg)	(mg/kg)	(mg/kg)	_(mg/ĸg)⊚
5-7	452						
10-12	526						
15-17	577	14.3	60.1	10.2	41.2	657	14.9
20-22	534						
23-25	355						
25-27	252	48.4	84.4	11.4	37.7	1,320	21.8

Summary of Soil Sampling Results From Boring MW-1

The well, identified as NMG MW-1 on Figure 1, had a measured product thickness of approximately 1.33 feet. The depth to the top of the product was measured at 30.33 feet below top of casing (btoc) on December 31, 2002.

Well NMG MW-2 was installed on December 16, 2002 at the location shown on Figure 1. This location was selected because it is in the same swale as the release. This well was developed on December 17, 2002, and it was purged and sampled on December 18,

2002. The sample did not contain detectable concentrations of the benzene, ethylbenzene, toluene and xylene (BTEX) constituents or total petroleum hydrocarbons (TPH) in the gasoline or diesel ranges.

Two additional wells were installed on February 5, 2003 at the locations shown on Figure 1. Well NMG MW-3 was installed as a background well northwest of the NMG-148C site. Well NMG MW-4 was installed at a location where pressure testing indicated that a leak in the NMG-148 pipeline (subsequently removed) might be present.

Samples were collected at 5-foot intervals from 5 to 25 feet in both new wells. Each sample was screened for the presence of volatiles using a photoionization detector (PID). The readings for all 10 samples from both wells were all zero (no ionizable constituents present). The samples from NMG MW-3 were not submitted for laboratory analysis because the boring was advanced in an upgradient location per prior approval by the OCD.

The five soil samples from well NMG-MW-4 were submitted to Environmental Labs of Texas for analyses for TPH as gasoline and diesel range organics. None of the soil samples contained detectable concentrations of TPH as gasoline or diesel range organics at a detection limit of 10 mg/kg (ppm).

Well NMG MW-1 was removed by Environmental Plus Incorporated (EPI) in January 2003 during their excavation activities. Their activities included the excavation of materials inside the footprint shown in Figure 1 to a depth of approximately 24 feet. Another DEFS contractor removed the NMG-148 pipeline within the entire study area. These activities are discussed in a separate document.

Wells NMG-MW2, NMG-MW3, NMG-MW4 and the excavation were subsequently sampled on the following dates:

- February 2, 2003
- June 2, 2003
- September 23, 2003
- December 15, 2003
- January 23, 2004
- March 22, 2004
- June 21, 2004
- September 9, 2004
- December 10, 2004

Well NMG-MW5 was installed on December 15, 2004 at the location shown on Figure 1. This location was selected to minimize interference with future reseeding activities. Cuttings samples were screened with a PID at 5 foot intervals, and none of the measurements were above background. There were no visual or olfactory indications of hydrocarbon impacts. The well completion information for all wells excluding

NMG-MW1 is summarized in Table 1.

NMG-MW5 was developed on December 16, 2004 and sampled on December 17, 2004 during the same week as the other site wells to fulfill the OCD requirements in paragraphs 3, 4, 5 and 6. The results from this well were unavailable as of the date of this report. They will be provided upon receipt and validation.

DISPOSITION OF WASTES

This section summarizes the disposition of wastes as required above in OCD paragraph 8d. The soils cuttings were drummed and disposed of at an OCD approved landfarm. All affected groundwater was disposed at the DEFS Linan Ranch facility.

SUMMARY OF DATA COLLECTED

This section summarizes the water level and chemistry data collected during the project to comply with the requirements in OCD paragraphs 8a, 8b and 8c above. The depths to groundwater were measured during each sampling episode. The resulting water-table elevations that were calculated based upon these measurements are tabulated in Table 2.

The December 2004 depths in feet for the four monitoring wells were measured as follows:

- NMG-MW2: 25.16 feet
- NMG-MW3: 26.10 feet
- NMG-MW4: 27.30 feet
- NMG-MW5: 27.07 feet

The elevation of well MW-5 was not established; however the information indicates that the depth to water in it is similar to that measured in the other three wells.

Hydrographs for wells NMG-MW2, NMG-MW3 and NMG-MW4 are shown on Figure 2. The hydrographs show that the water table at each location responds to seasonal climatic changes in a similar fashion. Figure 2 shows that the rains that begin in March 2004 and continued periodically through the rest of the year resulted in substantial increases in the water table elevations beneath the site.

The organic data for the wells is summarized in Table 3. The laboratory reports for the September 2004 and the December 2004 sampling efforts are attached to this report because they have not been previously provided to the OCD. Examination of Table 3 shows that the BTEX constituents have not been detected in any of the nine sampling episodes with the exception of the December 2003 episode where either laboratory of field contamination produced anomalous results. TPH as gasoline and diesel range

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organics were also not detected in wells MW-2, MW-3 and MW-4 during each well's initial sampling episode.

The inorganic data collected from the NMG wells is summarized in Table 4. There were no anomalous concentrations noted. The was a substantial difference between the total (unfiltered) and dissolved (filtered) metals barium, iron and manganese. This result was expected given the relatively turbid nature of the samples when they were acidified to preserve them.

The BTEX concentrations measured in the excavation are summarized in Table 5 and graphed over time in Figure 4. Examination Figure 4 indicates that the concentrations rapidly attenuated to a concentration that was near or below the 0.010 mg/l groundwater standard from the New Mexico Water Quality Control Commission. It is also important to note that no visible sheen was noted on the water within the excavation since a wind-driven aeration unit was installed in August 2003.

CONCLUSIONS

The data collected to date indicate that the remediation activities completed by EPI successfully removed the vast majority of the hydrocarbon mass from the release area. The wind-driven aeration unit subsequently enhanced removal of the dissolved-phase hydrocarbons from the excavation until only trace concentrations remain. Hydrocarbons have never been detected in the down-gradient wells, establishing the very-limited extent of any dissolved-phase hydrocarbon migration.

I conclude that no further actions related to groundwater monitoring are necessary at this site. I recommend that the wells associated with this site be plugged and abandoned in a appropriate fashions.

Do not hesitate to contact me if you have any questions or comments on this report.

Respectfully Submitted, AMERICAN ENVIRONMENTAL CONSULTING, LLC

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Michael H. Stewart, P.E., C.P.G. Principal Engineer

Attachments



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Table 1 - NMG-148C Well Completion Information

Well	Date Installed	Total Depth	Screened Interval	Sand Interval	Bentonite Interval
NMG MW-2	12/16/02	35	20-35	18-35	3-18
NMG MW-3	2/5/03	37	17-37	15-37	3-15
NMG MW-4	2/5/03	37	17-37	15-37	3-15
NMG MW-5	12/15/04	35	20-35	11-20	3-11
All units are feet					

MW-1 destroyed during remediation in Jan/Feb 2003

Table 2 – Measured Groundwater Elevations for The NMG-148C Wells

2/10/2004	3,621.74	3,623.70	3,618.78	
9/19/2004	3,617.25	3,620.09	3,615.86	
6/21/04	3,618.06	3,620.43	3,616.34	
3/22/04	3,616.84	3,619.89	3,615.52	
12/15/03	3,616.89	3,619.94	3,615.57	
9/23/03	3,616.93	3,619.94	3,615.64	
6/2/03	3,617.00	3,619.99	3,615.71	
2/7/03	3,617.05	3,620.02	3,615.77	
Well	NMG MW-2	NMG MW-3	NMG MW-4	· · · · · · · · · ·

All units are feet

Well	Sampling	Benzene	Toluene	Ethylbenzene	Total	TPH	TPH
WY CII	Date	Denzenes	Toructic	Luiyiochizehe	Xylenes	GRO	DRO
NMG MW-2	12/17/02	< 0.001	< 0.001	< 0.001	< 0.001	<1.0	<1.0
NMG MW-2	6/2/03	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2	9/23/03	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2	12/15/03	0.034	< 0.001	< 0.001	< 0.001		
NMG MW-2 (dup)	12/15/03	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2	1/23/04	< 0.001	<0.001	< 0.001	<0.001		
NMG MW-2	3/22/04	< 0.001	<0.001	< 0.001	<0.001		
NMG MW-2 (dup)	3/22/04	< 0.001	< 0.001	<0.001	< 0.001		
NMG MW-2	6/21/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2 (dup)	6/21/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2	9/19/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2 (dup)	9/19/04	< 0.001	< 0.001	<0.001	< 0.001		
NMG MW-2	12/10/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-2 (dup)	12/10/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	2/7/03	< 0.001	< 0.001	<0.001	< 0.001	<3.0	<3.0
NMG MW-3	6/2/03	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	9/23/03	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	12/15/03	0.002	< 0.001	<0.001	< 0.001		
NMG MW-3	1/23/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	3/22/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	6/21/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	9/19/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-3	12/10/04	< 0.001	< 0.001	<0.001	< 0.001		
NMG MW-4	2/7/03	< 0.001	< 0.001	< 0.001	< 0.001	<3.0	<3.0
NMG MW-4	6/2/03	< 0.001	< 0.001	< 0.001	0.001		
NMG MW-4	9/23/03	< 0.001	< 0.001	<0.001	< 0.001		
NMG MW-4	12/15/03	0.038	< 0.001	< 0.001	< 0.001		
NMG MW-4	1/23/04	< 0.001	< 0.001	<0.001	< 0.001		
NMG MW-4	3/22/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-4	6/21/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-4	9/19/04	< 0.001	< 0.001	< 0.001	< 0.001		
NMG MW-4	12/10/04	< 0.001	< 0.001	< 0.001	< 0.001		

Table 3 – Summary of Organic Data from The NMG-148C Study Area Wells

Notes: 1) All units mg/l

2) Blank cell indicates sample not analyzed for that parameter

Well	Calcium	Magnesium	Potassium	Sodium	Bicarbonate
NMG MW-2	138	21.1	6.78	68.5	195
NMG MW-3	49.8	7.02	3.64	39.4	141
NMG MW-4	57.5	8.4	4.36	52.5	152

Table 4 – Summary	of Inorganic	Data from [The NMG-148	C Study Area	Wells
	. 0				

Well	Chloride	Sulfate	Total Dissolved Solids	Barium (total)	Barium (dissolved)
NMG MW-2	62	93.8		7.45	0.496
NMG MW-3	31.9	55.1	64	726	0.591
NMG MW-4	40.8	90.7	295	1.18	0.079

Well	Iron (total)	Iron (dissolved)	Manganese (total)	Manganese (dissolved)	
NMG MW-2	88.8	0.148	0.787	0.018	
NMG MW-3	12.6	0.015	0.214	0.009	
NMG MW-4	26.5	0.036	0.452	0.046	

Notes: 1) all units are mg/l

2) carbonate and hydroxyl alkalinity were not detected at 0.10 mg/l in the above samples

	Sampling		View Antonio Martinia Antonio Interna		Total
Well	Date	Benzene	Toluene	Ethylbenzene	Xylenes
					_
					0.463/0.4
Excavation	2/14/03	4.25/4.46	3.15/3.01	1.63/1.54	36
Excavation (north)	4/17/03	0.055	0.043	< 0.002	0.003
Excavation (south)	4/17/03	0.048	0.038	< 0.002	0.003
Excavation (sw corner)	6/2/03	0.154	0.260	0.039	1.25
Excavation (sw corner)	9/23/03	0.013	0.014	0.001	0.003
Excavation (sw corner)	10/31/03	0.025	0.026	0.002	0.007
Excavation (sw corner)	12/15/03	0.041	0.032	0.002	0.008
Excavation (sw corner)	1/13/04	0.0395	0.0393	0.00146	0.00809
Excavation (sw corner)	1/23/04	0.0531	0.0487	0.00184	0.00854
Excavation (sw corner)	3/22/04	0.011	0.00875	< 0.001	0.0015
Excavation (ne corner)	1/13/04	0.0347	0.0361	0.00140	0.00766
Excavation (ne corner)	1/23/04	0.0301	0.0291	0.00121	0.00627
Excavation (ne corner)	3/22/04	0.00781	0.00640	< 0.001	0.00111
Excavation (se corner)	6/21/04	0.000457	< 0.001	< 0.001	0.000659
Excavation (se corner)	9/19/04	0.0175	0.0384	0.00112	0.0043
All units mg/l		····			

Table 5 – Summary of Data from The NMG-148C Excavation

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LABORATORY REPORTS FOR

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Analytical Report

Prepared for:

Michael Stewart REMEDIACON P.O. Box 302 Evergreen, CO 80437

Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Location: Lea County, New Mexico

Lab Order Number: 4I22007

Report Date: 09/28/04

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Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Project Manager: Michael Stewart Fax: 720-528-8132 Reported: 09/28/04 09:43

ANALYTICAL REPORT FOR SAMPLES

617					
	Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5	NMG MW-3	4122007-01	Water	09/20/04 14:00	09/22/04 11:30
5 9 5	NMG Excavation	4122007-02	Water	09/20/04 14:15	09/22/04 11:30
	NMG MW-2	4122007-03	Water	09/20/04 14:45	09/22/04 11:30
制たけ	NMG MW-4	4122007-04	Water	09/20/04 14:45	09/22/04 11:30
ŝ.	NMG Trip Blank	4122007-05	Water	09/20/04 00:00	09/22/04 11:30

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P.O. Box 302 Evergreen CO, 80437 Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Project Manager: Michael Stewart

Organics by GC

Environmental Lab of Texas

御家	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
١. M	NMG MW-3 (4122007-01) Water									
1	Benzene	ND	0.00100	mg/L	1	E142708	09/24/04	09/24/04	EPA 8021B	
91. 81.	Toluene	ND	0.00100	ų	"	n	"	"	**	
	Ethylbenzene	ND	0.00100		**	"	"	"	"	
10	Xylene (p/m)	ND	0.00100	**	"	"	"	11	"	
1.0	Xylene (o)	ND	0.00100	**	**	"	n	"	"	
	Surrogate: a,a,a-Trifluorotoluene		118 %	80-1.	20	"	"	"	11	
がすい	Surrogate: 4-Bromofluorobenzene		85.0 %	80-1.	20	"	"	"	"	
ŝ.	NMG Excavation (4122007-02) Water						<u> </u>			
1	Benzene	0.0175	0.00100	mg/L	1	EI42708	09/24/04	09/24/04	EPA 8021B	
1	Toluene	0.0384	0.00100	"		"	**	n	**	
	Ethylbenzene	0.00112	0.00100	"	"	ŕr	"	"	H	
	Xylene (p/m)	0.00313	0.00100	"	"	77	"	**	**	
· ·	Xylene (0)	0.00117	0.00100	u	"	"		"	31	
_	Surrogate: a,a,a-Trifluorotoluene		130 %	80-1.	20	"	"	"	"	S-04
5 30 M	Surrogate: 4-Bromofluorobenzene		89.0 %	80-1.	20	"	"	"	"	
	NMG MW-2 (4122007-03) Water								· =····	
	Benzene	ND	0.00100	mg/L	1	EI42708	09/24/04	09/24/04	EPA 8021B	
ł.	Toluene	ND	0.00100		"	n			u	
	Ethylbenzene	ND	0.00100	"	u	11	"	51	17	
	Xylene (p/m)	ND	0.00100	**	"	"	n	17	**	
5	Xylene (o)	ND	0.00100	*	"		n	"	11	
ΞY.	Surrogate: a,a,a-Trifluorotoluene		120 %	80-1.	20	"	"	"	"	
	Surrogate: 4-Bromofluorobenzene		91.0 %	80-1.	20	"	"	"	"	
25	NMG MW-4 (4122007-04) Water									
	Benzene	ND	0.00100	mg/L	1	EI42708	09/24/04	09/24/04	EPA 8021B	
	Toluene	ND	0.00100		"	"		"	**	
5 a.V	Ethylbenzene	ND	0.00100	"	"	"	**	"	"	
	Xylene (p/m)	ND	0.00100		**	"	"			
	Xylene (o)	ND	0.00100		**	"	11	**	"	
1	Surrogate: a,a,a-Trifluorotoluene		120 %	80-12	20	"	"	"	"	
1	Surrogate: 4-Bromofluorobenzene		82.0 %	80-12	20	**	"	"	"	

Environmental Lab of Texas

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Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Project Manager: Michael Stewart

Organics by GC

Environmental Lab of Texas

1	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	NMG Trip Blank (4122007-05) Water									
	Benzene	ND	0.00100	mg/L	1	EI42708	09/24/04	09/24/04	EPA 8021B	
100	Toluene	ND	0.00100		"	**	11	H	"	
	Ethylbenzene	ND	0.00100	**	"	"	"		11	
1 80	Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
CENES.	Xylene (o)	ND	0.00100	"	"	*	u	11		
1.00	Surrogate: a,a,a-Trifluorotoluene		119 %	80-12	0	"	"	"	"	
調べるか	Surrogate: 4-Bromofluorobenzene		87.5 %	80-12	0	n	"	"	11	

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Evergreen CO, 80437

Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Project Manager: Michael Stewart Fax: 720-528-8132 Reported: 09/28/04 09:43

Organics by GC - Quality Control

Environmental Lab of Texas

1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Batch E142708 - EPA 5030C (GC)										
er H	Blank (EI42708-BLK1)				Prepared &	Analyzed:	09/24/04				
	Benzene	ND	0.00100	mg/L							
	Toluene	ND	0.00100	"							
P	Ethylbenzene	ND	0.00100	"							
2	Xylene (p/m)	ND	0.00100	"							
×.	Xylene (o)	ND	0.00100	n							
	Surrogate: a,a,a-Trifluorotoluene	23.5		ug/l	20.0		118	80-120			
	Surrogate: 4-Bromofluorobenzene	17.1		"	20.0		85.5	80-120			
6	LCS (E142708-BS1)				Prepared &	Analyzed:	09/24/04				
A	Benzene	80.3		ug/l	100		80.3	80-120			
	Toluene	88.5		"	100		88.5	80-120			
ŝ	Ethylbenzene	81.6		"	100		81.6	80-120			
_	Xylene (p/m)	176		11	200		88.0	80-120			
	Xylene (o)	82.2		"	100		82.2	80-120			
	Surrogate: a,a,a-Trifluorotoluene	21.9		"	20.0		110	80-120			
	Surrogate: 4-Bromofluorobenzene	16.5		"	20.0		82.5	80-120			
i i	Calibration Check (E142708-CCV1)				Prepared &	: Analyzed:	09/24/04				
4	Benzene	97.3		ug/l	100		97.3	80-120			
	Toluene	94.1		'n	100		94.1	80-120			
1	Ethylbenzene	94.4		"	100		94.4	80-120			
Ĩ.	Xylene (p/m)	190		"	200		95.0	80-120			
	Xylene (0)	90.0		"	100		90.0	80-120			
1	Surrogate: a,a,a-Trifluorotoluene	21.3		"	20.0		106	80-120			
	Surrogate: 4-Bromofluorobenzene	19.7		"	20.0		98.5	80-120			
	Duplicate (EI42708-DUP1)	s	ource: 4122007-0	2	Prepared &	Analyzed:	09/24/04				
5 A .	Benzene	0.0210	0.00100	mg/L		0.0175			18.2	20	
	Toluene	0.0407	0.00100			0.0384			5.82	20	
	Ethylbenzene	0.00128	0.00100	"		0.00112			13.3	20	
e F	Xylene (p/m)	0.00322	0.00100	"		0.00313			2.83	20	
	Xylene (o)	0.00125	0.00100	11		0.00117			6.61	20	
-	Surrogate: a,a,a-Trifluorotoluene	22.9		ug/l	20.0		114	80-120			
5	Surrogate: 4-Bromofluorobenzene	16.2		"	20.0		81.0	80-120			

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REMED	ACON 302	Project: DEFS-NMG-148C (4 in. Linc) Project Number: None Given	Pax: 720-528- Reported:		
P.O. Box Evergree	soz n CO, 80437	Project Manager: Michael Stewart	09/28/04 (
		Notes and Definitions	<u></u> .		
S-04	The surrogate recovery for this sample is outside of	established control limits due to a sample matrix effect.			
DET	Analvte DETECTED				
ND	- Analyte NOT DETECTED at or above the reporting limit				
NR	Not Reported				
iry	Sample results reported on a dry weight basis				
RPD	Relative Percent Difference				
LCS	Laboratory Control Spike				
MS	Matrix Spike				
Dup	Duplicate				
Repor	t Approved By:	Date:			
Ralan Celey Peggy	d K. Tuttle, Lab Manager D. Keene, Lab Director, Org. Tech Director Allen, QA Officer	Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist Sandra Biezugbe, Lab Tech.			
This n inforn	naterial is intended only for the use of the individuation that is privileged and confidential.	ual (s) or entity to whom it is addressed, and may contain			
lf you	have received this material in error, please notify	us immediately at 432-563-1800.			

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

Client:	Remediacon
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Date/Time: 12-15-04 @ 1000

Order #: 415008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	Yes No	05 C
Shipping container/cooler in good condition?	Yes No	
Custody Seals intact on shipping container/cooler?	Yes No	Not present >
Custody Seals intact on sample bottles?	(Tes) No	Not present
Chain of custody present?	Pes No	
Sample Instructions complete on Chain of Custody?	res) No	
Chain of Custody signed when relinquished and received?	Pes No	
Chain of custody agrees with sample label(s)	Pres No	
Container labels legible and intact?	Tes No	
Sample Matrix and properties same as on chain of custody?	Yes No	
Samples in proper container/bottle?	Yes No	
Samples properly preserved?	TES NO	
Sample bottles intact?	Tes No	
Preservations documented on Chain of Custody?	(Tes) No	
Containers documented on Chain of Custody?	(Yes, No	
Sufficient sample amount for indicated test?	(Yes) No	
All samples received within sufficient hold time?	(Pes No	
VOC samples have zero headspace?	(reg No	Not Applicable

Other observations:

Variance Documentation:

Contact Person:	Date/Time:	Contacted by:	
Regarding:			
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## Analytical Report

Prepared for:

Michael Stewart REMEDIACON P.O. Box 302 Evergreen, CO 80437

Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Location: Lea County, NM

Lab Order Number: 4L15008

Report Date: 12/20/04

REMEDIACON	Project: DEFS-NMG-148C (4 in. Line)	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	12/20/04 18:03

#### ANALYTICAL REPORT FOR SAMPLES

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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4L15008-01	Water	12/13/04 14:05	12/15/04 10:00
MW-3	4L15008-02	Water	12/13/04 13:40	12/15/04 10:00
MW-4	4L15008-03	Water	12/13/04 14:20	12/15/04 10:00
MW-103	4L15008-04	Water	12/13/04 14:40	12/15/04 10:00
Trip Blank	4L15008-05	Water	12/13/04 00:00	12/15/04 10:00

REMEDIACON P.O. Box 302 Evergreen CO, 80437		Project: DEFS-NMG-148C (4 in. Line) Project Number: None Given Project Manager: Michael Stewart						Fax: 720-528-8132 Reported: 12/20/04 18:03		
		Or	ganics b	y GC						
		Environn	nental L	ab of Te	xas					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note	
MW-2 (4L15008-01) Water										
Benzene	ND	0.00100	mg/L	l	EL41705	12/16/04	12/16/04	EPA 8021B		
Foluene	ND	0.00100								
Ethylbenzene	ND	0.00100	"	u.	н		o			
Xylene (p/m)	ND	0.00100		u	н			**		
Xylene (o)	ND	0.00100	n		н	"				
Surrogate: a a a-Trifluorotoluene		88.1 %	80-1	20	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		93.6%	80-1	20	"	"	"	"		
MNV 2 (41 15000 02) Weber										
Pangana	ND	0.00100	mall		EL 41705	12/16/04	12/16/04	CDA 90210		
Teluane	ND	0.00100	111g/12		EL41703	12/10/04	12/10/04	LI A 8021D		
Ethylbonzono	ND	0.00100						11		
Yulana (n/m)	ND	0.00100	U	н		u	н	a		
Xylene (o)	ND	0.00100	0					11		
	UN	95.6.9/		20		"	"			
Surrogate: a,a,a-1rijnoroioinene		00.8.8/	00-1 20 1	20	"	"	"	"		
Shirtogale: 4-Bromojnhorobenzene		99.0 70	00-1	20						
MW-4 (4L15008-03) Water										
Benzene	ND	0.00100	mg/L	1	EL41705	12/16/04	12/16/04	EPA 8021B		
Toluene	ND	0.00100	11			"		'n		
Ethylbenzene	ND	0.00100	11		"			и		
Xylene (p/m)	ND	0.00100	**			U	0	0		
Xylene (o)	ND	0.00100	"		H	0	"	п		
Surrogate: a,a,a-Trifluorotoluene		85.9 %	80-1	20	"	"	"	11		
Surrogate: 4-Bromofluorohenzene		98.0 %	80-1	20	"	"	"	"		
MW-103 (4L15008-04) Water						44				
Benzene	ND	0.00100	mg/L	1	EL41705	12/16/04	12/16/04	EPA 8021B		
Toluene	ND	0.00100	и	"	"	"	U	11		
Ethylbenzene	ND	0.00100	14	"	н	"	U	9		
Xylene (p/m)	ND	0.00100	11	и	и		U	n		
Xylene (o)	ND	0.00100			"	U	u	11		
Surrogate: a,a,a-Trifluorotoluene		91.3 %	80-1	20	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		100 %	80-1	20	"	"	"	"		

Environmental Lab of Texas

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Page 2 of 6

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REMEDIACON	Project: DEFS-NMG-148C (4 in. Line)	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	12/20/04 18:03

#### Organics by GC

#### **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (4L15008-05) Water									
Benzene	ND	0.00100	mg/L	I	EL41705	12/16/04	12/16/04	EPA 8021B	
Toluene	ND	0.00100	0		0			U U	
Ethylbenzene	ND	0.00100	w		11	"	"		
Xylene (p/m)	ND	0.00100						u.	
Xylene (0)	ND	0.00100		,	"		н	н	
Surrogate: a,a,a-Trifluorotoluene		90.1 %	80-12	20	"	"	"	n	
Surrogate: 4-Bromofluorobenzene		92.9 %	80-12	20	"	"	"	"	

Environmental Lab of Texas

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

Page 3 of 6

REMEDIACON	Project:	DEFS-NMG-148C (4 in. Line)	Fax: 720-528-8132
P.O. Box 302	Project Number:	None Given	Reported:
Evergreen CO, 80437	Project Manager:	Michael Stewart	12/20/04 18:03

#### **Organics by GC - Quality Control**

#### Environmental Lab of Texas

		Environn	ientai i		.as					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL41705 - EPA 5030C (GC)										
Btank (EL41705-BLK1)				Prepared &	Analyzed:	12/16/04				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	**							
Ethylbenzene	ND	0.00100								
Xylene (p/m)	ND	0.00100								
Xylene (o)	ND	0.00100								
Surrogate: a,a,a-Trifluorotoluene	94.4		ug/l	100		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	96.8		"	100		96,8	80-120			
LCS (EL41705-BS1)				Prepared &	Analyzed:	12/16/04				
Benzene	99.0		ug/l	100		99.0	80-120			
Toluene	99.5		н	100		99.5	80-120			
Ethylbenzene	99.6		"	100		99.6	80-120			
Xylene (p/m)	219			200		110	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	108		"	100		108	80-120			
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120			
Calibration Check (EL41705-CCV1)				Prepared &	Analyzed:	12/16/04				
Benzene	93.3		ug/l	100		93.3	80-120			
Toluene	94.9			100		94.9	80-120			
Ethylbenzene	93.1		"	100		93.1	80-120			
Xylene (p/m)	199		"	200		99.5	80-120			
Xylene (o)	96.4		"	100		96.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	103		"	100		103	80-120			
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120			
Matrix Spike (EL41705-MS1)	Sou	rce: 4L12004-	06	Prepared &	Analyzed:	12/16/04				
Benzene	101		ug/l	100	ND	101	80-120			
Toluene	101		U.	100	ND	101	80-120			
Ethylbenzene	101			100	ND	101	80-120			
Xylene (p/m)	208		0	200	ND	104	80-120			
Xylene (o)	100		9	100	ND	100	80-120			
Surrogate: a,a,a-Trifluorotoluene	113		"	100		113	80-120			
Surrogate: 4-Bromofluorobenzene	113		"	100		113	80-120			

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REMEDIACON	Project: DEFS-NMG-148C (4 in. Line)	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	12/20/04 18:03

#### **Organics by GC - Quality Control**

#### **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch EL41705 - EPA 5030C (GC)

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Matrix Spike Dup (EL41705-MSD1)	Source: 4	Prepared &	Analyzed:	12/16/04				
Benzene	94.2	ug/l	100	ND	94.2	80-120	6.97	20
Toluene	96.0	"	100	ND	96.0	80-120	5.08	20
Ethylbenzene	94.8		100	ND	94.8	80-120	6.33	20
Xylene (p/m)	200		200	ND	100	80-120	3.92	20
Xylene (0)	97.3	"	100	ND	97.3	80-120	2.74	20
Surrogate: a,a,a-Trifluorotoluene	102	"	100		102	80-120		
Surrogate: 4-Bromofluorobenzene	117	"	100		117	80-120		

Environmental Lab of Texas

REMED P.O. Boy Evergree	IACON < 302 en CO, 80437	Project: Project Number: Project Manager:	DEFS-NMG-148C (4 in. Line) None Given Michael Stewart	Fax: 720-528-813 Reported: 12/20/04 18:03
		Notes and De	finitions	
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or above the reporting limit			
NR	Not Reported			
dry	Sample results reported on a dry weight basis			
RPD	Relative Percent Difference			
LCS	Laboratory Control Spike			
MS	Matrix Spike			
Dup	Duplicate			

Report Approved By:

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Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist Sandra Sanchez, Lab Tech.

Date:

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Environmental Lab of Texas

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Page 6 of 6

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

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Date/Time: 12-15-04 @ 1000

Order #: 415000

Initials: JMM

#### Sample Receipt Checklist

Temperature of container/cooler?	Yes	> No	05 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present>
Custody Seals intact on sample bottles?	Tes	No	Not present
Chain of custody present?	Pes	No	
Sample Instructions complete on Chain of Custody?	res)	No	
Chain of Custody signed when relinquished and received?	Pes	No	
Chain of custody agrees with sample label(s)	Pres	No	
Container labels legible and intact?	Pres	No	
Sample Matrix and properties same as on chain of custody?	Pres	No	
Samples in proper container/bottle?	yes-	No	
Samples properly preserved?	Tess	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes,	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	Pes	No	
VOC samples have zero headspace?	1 (Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: -	Date/Time:	Contacted by:
Regarding:		
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Corrective Action Taken:		ny mananana minina amin'ny fisiona amin'
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## NMG-148C RELEASE SITE

## SOIL REMEDIATION CLOSURE DOCUMENTATION

UL-N SE¼ of the SW¼, Section 16, T19S, R37E Latitude 32°39'21.32"N - Longitude 103°15'32.90"W ~2.25 miles north northeast of Monument Lea County, New Mexico

DECEMBER 2004

PREPARED BY

ENVIRONMENTAL PLUS, INC. 2100 AVENUE O P.O. BOX 1558 EUNICE, NEW MEXICO



#### Environmental Assessment and Remediation Report

#### Duke Energy Field Services NMG-148 C-Line

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 the 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 arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental, and/or the natural sciences.

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This report was prepared by:	
fat Maeland	
Patrick W. McCasland	Date
This report was reviewed by:	
Iain Olness, PG	Date

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# 1.0 SUMMARY

In December 2002, Duke Energy Field Services (Duke) retained Environmental Plus, Inc. (EPI) of Eunice, New Mexico to delineate the extent of pipeline fluid contamination and remediate the historical NMG-148 C-Line release site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993). The land is owned by the State of New Mexico. The initial form C-141 submitted to the NMOCD by Duke reported an assumed natural gas pipeline fluid release of >25 barrels (bbls) with 0 bbls recovered. The NMG-148 C-Line is part of the Duke gas gathering system and as such is exempt from the EPA Resource Conservation and Recovery Act 40 CFR (RCRA) Subtitle C hazardous waste characterization requirements. The ground water depth at the site is ~28 feet below ground surface ('bgs) and is based on water level measurements of a temporary monitor well (MW) installed adjacent to what was believed to be the leak origin. The NMOCD site ranking thresholds for the "Constituents of Concern" (CoCs) in soil are as follows:

Soil from the surface to 28'bgs:

- 100 mg/Kg = Total Petroleum Hydrocarbon EPA method 8015m (TPH^{8015m})
- 10 mg/Kg = Benzene
- 50 mg/Kg = BTEX (mass sum of benzene, toluene, ethylbenzene, and m, o, & p xylenes)

The historical release occurred in the 4" steel NMG-148 C-Line apparently due to corrosion as was evidenced by the line repair clamp. Initially, delineation occurred during excavation of a barren area in the right of way that exposed a previously installed line repair clamp. Subsequent excavation to 10'bgs indicated hydrocarbon contamination. Given the shallow ground water in the area, a temporary monitor/observation well was installed 10 feet west of the clamp, sampling the soil discretely at 5 foot intervals. The bore was found to be contaminated with volatile hydrocarbon, characteristic of raw natural gas pipeline condensate, down to the ground water interface with a measurable thickness of liquid phase hydrocarbon observed atop the ground water. The NMOCD was immediately notified of the impact. The ground water issues are being addressed separately. To delineate the horizontal extent of contamination, sample trenches were excavated to 3'bgs and sampled from the leak origin clamp to various points laterally along the cardinal radians. Volatile Organic Constituent (VOC) headspace surveys of the samples indicated an affected area at 3'bgs of 2,081 ft² and extended 40' north, 30' east, 18' west, and 20' south. The trenches were deepened to 16'bgs sampled and surveyed. At 16'bgs an affected area of 9,082 ft² was identified to be affected, i.e., 76' north, 50' east, 60' west, and 30' south. A site delineation map is included in Attachment I. Selected samples analyzed for TPH^{8015m} and BTEX by Cardinal Laboratories in Hobbs, New Mexico were below instrument detection limits and attest to the volatility of the source term. It also suggests that the VOC headspace readings collected well away from the leak origin clamp during the subsurface delineation were actually due to vapor phase hydrocarbon in the pore space that is dissipating from the liquid phase atop the ground water rather than having been inundated by the condensate liquid similar to the soil beneath the leak origin where the contaminants were adsorbed to the soil. The vapor pressure of the condensate has not been determined. Analyses of hydrocarbon contaminated soil samples from the leak origin did not indicate that sulfate or chloride will be issues at this site.

In February 2003, Environmental Plus, Inc. (EPI), with direction and supervision from Duke Energy Field Services, implemented the <u>Duke NMG-148 C-Line Site Characterization and Soil Remediation Proposal</u>, <u>January 2003</u>. The site characterization information and soil remediation strategies presented in the document should be referenced as a part of this closure proposal. The January 2003 remediation proposal

was approved on February 4, 2003 by Mr. William C. Olson, New Mexico Oil Conservation Division (NMOCD) Environmental Bureau Hydrologist with the following stipulations;

- 1. Duke shall take final soil confirmation samples from the bottom and sidewalls of the excavated area for laboratory analysis upon completion of the excavation activities. The samples will be obtained and analyzed for concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) and total petroleum hydrocarbons (TPH) using EPA approved methods and quality assurance/quality control (QA/QC) procedures.
- 2. Duke shall take final soil confirmation samples for laboratory analysis from every 200 yards of landfarmed soils returned to the excavated area to verify that the soils meet the proposed remediation levels. The samples will be obtained and analyzed for concentrations of BTEX and TPH using EPA approved methods and QA/QC procedures. A field soil vapor headspace measurement of less than 100 ppm may be substituted for a laboratory analysis of BTEX for the purposes of compliance with the proposed BTEX soil remediation limits.
- 3. Duke shall submit a soil remediation report upon completion of the remedial activities. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and shall include:
  - a. A description of the investigation and remediation activities which occurred including conclusions and recommendations.
  - b. Maps showing the locations of all pipelines, excavated areas, landfarmed areas, sample locations and release areas as well as any other pertinent features.
  - c. Summary tables of all soil sampling results and copies of all laboratory analytical data sheets and associated QA/QC data.
  - d. Photographs of the various phases of the remedial activities.
  - e. The disposition of all wastes generated.
  - f. Any other relevant information generated during implementation of the work plans.
- 4. Duke shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

From February to March 2003, soil contaminated above the NMOCD CoC remedial goals was excavated and shredded to aerate and separate the landfarmable soil from the rock. Volatile Organic Constituent (VOC) headspace survey monitoring was conducted with a calibrated Photoionization Detector (PID) and confirmed with laboratory analyses. The soil and rock were stockpiled on site. The more contaminated soil was spread into a 6" thick lift east of the excavation, tilled weekly, and monitored. Duke received "Right of Entry" permit #707 from the New Mexico State Land Commissioner and allowed for landspreading of contaminated soil for remediation purposes.

In a letter dated October 7, 2004, the NMOCD approved the <u>Duke NMG-148C Line Soil Remediation</u> <u>Status and Closure Proposal, January 2004</u>, with similar soil stipulations and is included in Attachment VI. In October 2004, the closure proposal was implemented consistent with the NMOCD stipulations. The field surveys and laboratory results for all samples from the excavation sidewalls and every 200 yd³ batch of backfill material surveyed in the field and analyzed in the laboratory were less than the CoC remedial goals and were deemed acceptable. This report documents the implementation of the approved plans consistent with the NMOCD stipulations and provides specific soil analytical information supporting closure of the soil issues at this site justifying a "no further action required" declaration by the NMOCD.

#### 2.0 Soil Remediation

Beginning in February 2003, approximately 18,156 cubic yards (yd³) of soil was excavated, shredded, i.e., rock and soil separated, and aerated. Because the excavation exceeded 20'bgs, a site specific excavation safety plan was developed and approved by a Professional Engineer registered in New Mexico. The volatility of the hydrocarbon source term, breezy days, and the warm daytime temperatures during the project contributed to the attenuation of the soil to acceptable levels. With approval from the NMOCD and the New Mexico State Land Office, soil was landspread in an area east of excavation with the segregated soil and rock stockpiled to the north. A 4-wire barbed wire fence with lockable entrance gate secured(s) the site. Photographs are attached.

With approval from the NMOCD, a landspread area, i.e., 350' x 100', for the more contaminated soil, was established east of the excavation inside of the secured area boundary fence. Approximately  $1,500 \text{ yd}^3$  of soil was spread and disked at 2 week intervals until attenuated to below the NMOCD remedial goals.

The remaining shredded soil and rock were stored in segregated stockpiles north of the excavation. Testing before and after the shredding process indicated the soil had been adequately remediated and did not require landspreading.

### 3.0 CLOSURE PLAN IMPLEMENTATION DOCUMENTATION

Consistent with the conditions set forth by the NMOCD in February 2003, Duke obtained laboratory samples of the sides of the excavation to confirm achievement of the NMOCD remedial goals for the CoCs, i.e., TPH^{8015m}, benzene, and BTEX. Groundwater precluded a bottom sample. All sampling was conducted in accordance with the EPI Standard Operating Procedures and Quality Assurance/Quality Control Plan. The backfilling process monitored soil Volatile Organic Constituents Headspace (VOCH) of every 200 yd³ of soil as it was being emplaced. The VOCH survey data is being submitted "in lieu" of laboratory benzene and BTEX analyses. Prior to surveying the excavation sidewall and backfill samples for organic vapors, the laboratory samples were jarred and refrigerated. The laboratory reports are provided and summarized in Attachment IV.

A photographic chronolog of the project is provided in Attachment II.

Five-point composite samples were collected from each sidewall in the 28 foot deep excavation on October 22, 2004 from the following vertical locations;

- Center of the sidewall at approximately 14 feet below ground surface ('bgs)
- Lower left quadrant at approximately 20'bgs
- Lower right quadrant at approximately 20'bgs

- Upper left quadrant at approximately 8'bgs
- Upper right quadrant at approximately 8'bgs

The 5-point samples were collected into a clean Ziplock[®] bag, gently blended and the laboratory sample jarred and refrigerated. The remaining bagged sample was allowed to equilibrate to approximately 70°F and the VOCH measured and recorded.

All samples collected were less than 100 ppm VOCH and deemed acceptable.

Laboratory results from all samples were less than the 100 mg/Kg TPH^{8015m} remedial goal and deemed acceptable.

Discrete samples of each 200 yd³ batch of soil were collected, allowed to equilibrate to approximately 70°F, and the VOCH measured and recorded. The VOCH will be submitted to the NMOCD "in-lieu" of laboratory benzene and BTEX analyses. The laboratory analytical reports are included and summarized in Attachment IV.

All samples collected were less than 100 ppm VOCH and deemed acceptable

Laboratory results from all samples were less than the 100 mg/Kg TPH^{8015m} remedial goal and deemed acceptable.

Backfilling begin with emplacement of the rock in the bottom of the excavation and overlayed with the soil. The front-end loaders spread and compacted the matrix in approximately 1-foot thick lifts. After the excavation was backfilled, the clean topsoil stockpiled on site was spread over the area and contoured to grade.

4.0 CLOSURE JUSTIFICATION

This report documents the implementation of the approved plan consistent with the NMOCD stipulations and provides specific soil analytical information supporting closure of the soil issues at this site justifying a "no further action required" declaration by the NMOCD. The final form C-141 is included in Attachment VII.

# 5.0 FOLLOW-UP

The site will be reseeded in the spring of 2005 with a seed blend acceptable to the New Mexico State Land Office.

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NMG-148C RELEASE SOIL REMEDIATION CLOSURE DOCUMENTATION December 2004





NMG-148C RELEASE Soil Remediation Closure Documentation December 2004



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	Incident	Note and NIMOCD Notified?	
Duke Energy Field Services Site		vate and INMOCD Notified?	
Information and Metrics	12-23-02	NMOCD notified imm	iediately
SITE: NMG-148 C-Line		Assigned Site Reference #:	
Company: Duke Energy Field Services			
Street Address: 11525 West Carlsbad Hig	hway		
Mailing Address: 11525 West Carlsbad Hi	ghway		
City, State, Zip: Hobbs, NM 88240			
Representative: Paul Mulkey/Stan Shaver/	Ronnie Gilchr	est	
Representative Telephone: 505.397.5716	/ 505.397.556	61	
Telephone:			
Fluid volume released (bbls): >25 bbls		Recovered (bbls): 0	
>25 bbls: Notify	NMOCD verbal	ly within 24 hrs and submit form C-141 wit	hin 15 days.
(A	lso applies to unau	uthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-1-	11 within 15 days	(Also applies to unauthorized releases of 5	0-500 mcf Natural Gas)
Leak, Spill, or Pit (LSP) Name: NMG-14	8 C-Line		
Source of contamination: Natural Gas Gat	hering Line		
Land Owner, i.e., BLM, ST, Fee, Other.: St	ate of New M	exico leased by Foley	
LSP Dimensions $\sim 95^{\circ} \times 40^{\circ}$			
LSP Area: 2,536 ft ²			<u></u>
Location of Reference Point (RP)			······································
Location distance and direction from RP			
Latitude: 32°39'21.32" N			
Longitude: 103°15'32.90"W			
Elevation above mean sea level: 3,648'a	amsl		
Feet from South Section Line			
Feet from West Section Line			
Location- Unit or 1/41/4: SE1/4 of the SW	1/4	Unit Letter: N	
Location- Section: 16			
Location- Township: 19S			
Location- Range: 37E			······································
		·····	
Surface water body within 1000 ' radius of	site: None		······································
Domestic water wells within 1000' radius of	f site: None		
Agricultural water wells within 1000' radius	of site: None	2	
Public water supply wells within 1000' radi	us of site: No	ne	
Depth from land surface to ground water (	DG ~28'bg	S	· · · · · · · · · · · · · · · · · · ·
Depth of contamination (DC) –			·····-
Depth to ground water $(DG - DC = DtG)$	$W_{1} = 0.0$		· · · · · · · · · · · · · · · · · · ·
Depin to ground water (DO DO DEO		· · ·	· · · · · ·
If Depth to $GW < 50$ feet: 20 points	If < 1000' from the second	m water source or < 200' from	<200 horizontal feet: 20 points
If Depth to GW 50 to 99 feet: 10 points	nrivate dome	estic water source: 20 points	200-100 horizontal feet: 10 paints
	If $>1000$ ' from	m water source or $>200'$ from	200 100 Holizontai reet. 10 points
If Depth to GW >100 feet: $0$ points	nrivate dome	stic water source: 0 points	>1000 horizontal feet: 0 points
Ground water Score - 20	Wallhead Prot	ection Area Score - 0	Surface Water Score 0
Site Rank $(1+2+3) = -20$	vvinicau 1 100		
Total Site Danking Score and Accentable (	oncontrations	<u></u>	
Dammeter		$10.10$ (curface to $42^{2}$ b = -)	
		10-13 (Sufface to 45 Dgs)	10
Denzene ⁴		10 ppm	10 ppm
		30 ppm	50 ppm
		1000 ppm	5000 ppm
1 100 ppm field VOC headspace measurem	ent may be sul	ostituted for lab analysis	

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NMG-148C RELEASE SOIL REMEDIATION CLOSURE DOCUMENTATION December 2004

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Sample Description	SAMPLE ID#	Sample Date	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ (8015M.) mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ehtyl Benzene mg/Kg	Total Xylenes mg/Kg
Backfill	SDNMG1	10/14/2004	Caliche	0.0	pu	pu	pu	na	па	na	na	na
Backfill	SDNMG2	10/14/2004	Caliche	0.1	pu	pu	pu	na	na	na	па	na
Backfill	SDNMG3	10/14/2004	Caliche	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG4	10/15/2004	Caliche	0.0	0.08	pu	0.08	na	na	na	na	na
Backfill	SDNMG5	10/15/2004	Caliche	0.1	0.20	pu	0.20	na	na	na	na	na
Backfill	SDNMG6	10/15/2004	Caliche	0.6	0.14	pu	0.14	na	na	na	na	na
Backfill	SDNMG7	10/15/2004	Caliche	0.1	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG8	10/15/2004	Caliche	0.0	pu	pu	pu	na	na	na	па	na
Backfill	SDNMG9	10/15/2004	Caliche	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10	10/15/2004	Caliche	0.4	pu	pu	pu	na	na	na	na	па
Backfill	SDNMG11	10/18/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG12	10/18/2004	Caliche Sand	0.9	pu	pu	pu	na	na	na	na	па
Backfill	SDNMG13	10/18/2004	Caliche Sand	1.2	pu	pu	pu	na	na	na	па	na
Backfill	SDNMG14	10/18/2004	Caliche Sand	0.5	pu	pu	pu	na	иа	na	na	na
Backfill	SDNMG15	10/18/2004	Caliche Sand	0.1	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG16	10/18/2004	Caliche Sand	1.5	pu	pu	pu	na	na	na	па	na
Backfill	SDNMG17	10/19/2004	Caliche Sand	0.3	pu	pu	pu	na	па	na	na	na
Backfill	SDNMG18	10/19/2004	Caliche Sand	0.2	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG19	10/19/2004	Caliche Sand	0.9	0.36	pu	0.36	па	па	па	na	na
Backfill	SDNMG20	10/19/2004	Caliche Sand	0.7	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG21	10/19/2004	Caliche Sand	0.1	pu	pu	pu	na	na	па	па	na
Backfill	SDNMG22	10/20/2004	Caliche Sand	0.1	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG23	10/20/2004	Caliche Sand	0.9	pu	pu	pu	na	na	па	na	па
Backfill	SDNMG24	10/20/2004	Caliche Sand	0.1	pu	pu	pu	na	na	па	na	na
Backfill	SDNMG25	10/20/2004	Caliche Sand	0.7	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG26	10/20/2004	Caliche Sand	0.0	pu	pu	pu	na	па	na	na	na
	New Mexic	o Oil Conservati	on Division Remedial Goals	100.0			100.00	50.000	10	;	;	ł
¹ bgs – below ground surf.	ace											
² VOC-Volatile Organic (	Contaminants/Constituents		~	nd - not detected	above the	instrumen	t detection limit	_				
³ GRO-Gasoline Range O	rganics (C ₆ -C ₁₀ )		20	na - Not Analyzed	-							
⁴ DRO-Diesel Range Org,	anics (>C ₁₀ -C ₂₈ )											
⁵ TPH(8015 Mod.)-Total 1	Petroleum Hydrocarbon =	GRO+DRO.										

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Laboratory analyses were performed by Assaigai Laboratories of Albuquerque, New Mexico

NMG-148C RELEASE SOIL REMEDIATION CLOSURE DOCUMENTATION December 2004

MPLE ID#         Sample Date         Lithology           DNMG27         10/21/2004         Caliche Sanc           DNMG28         10/21/2004         Caliche Sanc           DNMG29         10/21/2004         Caliche Sanc           DNMG30         10/21/2004         Caliche Sanc           DNMG31         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG36         10/22/2004         Caliche Sanc           DNMG36         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sanc           DNMG36         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sanc	HEADSPAC VOC ² (ppm) 0.7 0.7 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E GRO ³ mg/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	DRO ⁴ mg/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	TPH ⁵ (8015M.) ng/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	ВТЕХ mg/Kg па па па па па па па па	Benzene mg/Kg na na na na na na na na na na na na na	Toluene mg/Kg na na na na na na na na na na na na	Ehtyll Benzene mg/Kg na na na na na na na na na na na na na	Total Xylenes mg/Kg na na na na na na na na na na na na na
MPLE ID#         Sample Date         Lithology           NNMG27         10/21/2004         Caliche Sanc           NNMG28         10/21/2004         Caliche Sanc           NNMG29         10/21/2004         Caliche Sanc           NNMG30         10/21/2004         Caliche Sanc           NNMG31         10/21/2004         Caliche Sanc           NNMG31         10/21/2004         Caliche Sanc           NNMG33         10/21/2004         Caliche Sanc           NNMG33         10/22/2004         Caliche Sanc           NMG33         10/22/2004         Caliche Sanc           NMG33         10/22/2004         Caliche Sanc           NMG35         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand	HEADSPACI VOC ² (ppm) (ppm) 0.7 0.7 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E GRO ³ mg/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	DRO ⁴ mg/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	TPH ⁵ (8015M.) mg/Kg nd nd nd nd nd nd nd nd floo 51.00	ВТЕХ mg/Kg na na na na na na na na na na na na	Benzene mg/Kg na na na na na na na na na	Toluene mg/Kg na na na na na na na na na na na	Ehtyl Benzene mg/Kg na na na na na na na na na na na na na	Total Xylenes ng/Kg na na na na na na na na na na na na na
MPLE ID#         Sample Date         Lithology           NIMG27         10/21/2004         Caliche Sanc           NIMG28         10/21/2004         Caliche Sanc           NIMG29         10/21/2004         Caliche Sanc           NIMG29         10/21/2004         Caliche Sanc           NIMG30         10/21/2004         Caliche Sanc           NIMG31         10/21/2004         Caliche Sanc           NIMG31         10/21/2004         Caliche Sanc           NIMG32         10/22/2004         Caliche Sanc           NIMG33         10/22/2004         Caliche Sanc           NIMG33         10/22/2004         Caliche Sanc           NIMG35         10/22/2004         Caliche Sanc           NIMG36         10/22/2004         Caliche Sanc           NIMG37         10/22/2004         Caliche Sanc           NIMG37         10/22/2004         Caliche Sand           NIMG37         10/22/2004         Caliche Sand           NIMG37         10/22/2004         Caliche Sand	HEADSPACI VOC ² (ppm) 0.7 0.7 0.1 0.1 0.1 0.0 0.3 0.3 0.0 0.0	E GRO ³ mg/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	DRO ⁴ mg/Kg nd nd nd nd nd nd nd nd nd nd nd nd nd	TPH ⁵ (8015M) (8015M) mg/Kg nd nd nd nd nd nd nd nd f100 51.00	BTEX mg/Kg na na na na na na na na na na na na na	Benzene mg/Kg na na na na na na na na na na na na na	Toluene mg/Kg na na na na na na na na na na na na na	Ehtyl Benzene mg/Kg na na na na na na na na na na na na na	Total Xylenes mg/Kg na na na na na na na na na na na na na
DNMG27         10/21/2004         Caliche Sanc           DNMG28         10/21/2004         Caliche Sanc           DNMG29         10/21/2004         Caliche Sanc           DNMG30         10/21/2004         Caliche Sanc           DNMG31         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG35         10/22/2004         Caliche Sanc           DNMG36         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand	0.7 0.2 0.0 0.0 0.3 0.3 0.0 0.0	hu bu	nd nd nd nd nd 51.00	nd nd nd nd nd 51.00 51.00	па па па па па па па па па	па па па па	Па Па Па Па Па Па Па	ла Па Па Па Па Па Па	na na na na na na na na
DNMG28         10/21/2004         Caliche Sanc           DNMG29         10/21/2004         Caliche Sanc           DNMG30         10/21/2004         Caliche Sanc           DNMG31         10/21/2004         Caliche Sanc           DNMG32         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/21/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG33         10/22/2004         Caliche Sanc           DNMG35         10/22/2004         Caliche Sanc           DNMG36         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sanc           DNMG37         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand	0.2 0.0 0.1 0.5 0.3 0.3 0.0	bu bu bu bu bu bu bu bu bu bu bu	nd nd nd nd f1.00 51.00	nd nd nd nd 51.00 51.00	ла па па па па па па па	ла па па па ла	na na na na na na na	Па Па Па Па Па Па	na na na na na na na
NMG29         10/21/2004         Caliche Sand           NMG30         10/21/2004         Caliche Sand           NMG31         10/21/2004         Caliche Sand           NMG32         10/21/2004         Caliche Sand           NMG33         10/21/2004         Caliche Sand           NMG33         10/21/2004         Caliche Sand           NMG33         10/22/2004         Caliche Sand           NMG34         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand	0.0 0.1 0.5 0.3 0.0 0.0	nd hu hu hu hu hu hu hu hu hu hu hu hu hu	nd nd nd nd nd 51.00	nd nd nd nd 51.00 51.00	па па па па па па па	па па па па	па па па па па па	Па Па Па Па Па Па	na na na na na na na
NMG30         10/21/2004         Caliche Sand           NMG31         10/21/2004         Caliche Sand           NMG32         10/21/2004         Caliche Sand           NMG33         10/22/2004         Caliche Sand           NMG33         10/22/2004         Caliche Sand           NMG33         10/22/2004         Caliche Sand           NMG34         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand	0.1 0.0 0.3 0.3 0.0	nd bu bu bu bu bu bu bu bu bu bu bu bu bu	nd nd nd nd f1.00	nd nd nd 51.00 51.00	па па па па па па	па па па па па	na na na na na na	ла па па па па па	na na na na na na
DNMG31         10/21/2004         Caliche Sand           DNMG32         10/21/2004         Caliche Sand           DNMG33         10/22/2004         Caliche Sand           DNMG33         10/22/2004         Caliche Sand           DNMG34         10/22/2004         Caliche Sand           DNMG35         10/22/2004         Caliche Sand           DNMG35         10/22/2004         Caliche Sand           DNMG36         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand	0.0 0.5 0.3 0.0 0.0	bu bu bu bu bu bu	nd nd nd nd 51.00	nd nd nd 51.00	na na na na na	na na na	na na na na	па па па па па	na na na na na
NMG32         10/21/2004         Caliche Sand           NMG33         10/22/2004         Caliche Sand           NMG34         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand	0.5 0.0 0.0	bn bn bn bn bn	nd nd nd 51.00	nd nd 51.00	na na na na	na na na	na na na na	na na na	na na na na
NMG33         10/22/2004         Caliche Sand           NMG34         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG35         10/22/2004         Caliche Sand           NMG36         10/22/2004         Caliche Sand           NMG37         10/22/2004         Caliche Sand	0.3 0.0 0.0	pu pu pu	nd nd 51.00	nd nd 51.00	na na na	na na na	na na na	na na na	na na na na
DNMG34         10/22/2004         Caliche Sand           DNMG35         10/22/2004         Caliche Sand           DNMG36         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand	0.0	pu pu pu	nd 51.00	nd nd 51.00	na na na	na	na na na	na na	na na na
DNMG35         10/22/2004         Caliche Sand           DNMG36         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand	0.0	pu pu	nd 51.00	nd 51.00	na na	na	na na	na na	na na
DNMG36         10/22/2004         Caliche Sand           DNMG37         10/22/2004         Caliche Sand	0.0	pu pu	51.00	51.00	na		na	na	na
DNMG37 10/22/2004 Caliche Sand		pu .	-	ب ر		na		5	na
	0.0	-	na	111	na	na	na	l la	
JINIVIG38 10/22/2004 Caliche Sand	0.3	pu	pu	pu	na	na	na	na	па
AG39 NSWC 10/22/2004 Caliche	4.6	pu	pu	pu	na	na	na	na	na
AG40 WSWC 10/22/2004 Caliche	6.0	pu	pu	pu	па	па	na	na	na
AG41 NSWC 10/22/2004 Caliche	3.6	pu	pu	pu	na	na	na	na	na
MG42 SSWC 10/22/2004 Caliche	5.8	pu	pu	pu	na	na	na	na	na
MG10250443 10/25/2004 Caliche Sand	1.0	pu	pu	pu	na	na	na	na	na
MG10250444   10/25/2004   Caliche Sand	0.9	pu	pu	pu	na	na	na	ра	na
MG10250445 10/25/2004 Caliche Sand	0.4	pu	pu	pu	na	na	na	na	na
MG10250446 10/25/2004 Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
MG10250447 10/25/2004 Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
MG10250448 10/25/2004 Caliche Sand	0.1	pu	pu	pu	na	na	na	na	na
New Mexico Oil Conservation Division Remedi	d Goals 100.0			100.00	50.000	10	1	:	;
nts/Constituents	⁷ nd - not detect	ted above the	instrument	detection limi	نہ				
6-C1(s)	na - Ivot Analy	yzed							
0 ^{-C} 28)									
Hydrocarbon = $GRO+DRO$ ,									

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NMG-148C RELEASE SOIL REMEDIATION CLOSURE DOCUMENTATION December 2004

			 :	•			• •					
Sample Description	SAMPLE ID#	Sample Date	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ (8015M.) mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ehtyl Benzene mg/Kg	Total Xylenes mg/Kg
Backfill	SDNMG10260449	10/26/2004	Caliche Sand	3.7	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10260450	10/26/2004	Caliche Sand	0.7	pu	pu	pu	na	na	na	na	Па
Backfill	SDNMG10260451	10/26/2004	Caliche Sand	0.0	pu	pu	pu	па	na	na	na	na
Backfill	SDNMG10260452	10/26/2004	Caliche Sand	0.0	pu	nd	pu	па	na	na	na	na
Backfill	SDNMG10260453	10/26/2004	Caliche Sand	0.7	pu	pu	pu	па	na	na	na	na
Backfill	SDNMG10270454	10/27/2004	Caliche Sand	0.0	pu	pu	pu	na	па	na	па	па
Backfill	SDNMG10270455	10/27/2004	Caliche Sand	0.0	pu	pu	pu	па	na	na	na	na
Backfill	SDNMG10270456	10/27/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10270457	10/27/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	па	na
Backfill	SDNMG10270458	10/27/2004	Caliche Sand	0.0	pu	pu	pu	na	па	па	па	na
Backfill	SDNMG10270459	10/27/2004	Caliche Sand	2.9	pu	pu	pu	na	na	па	па	na
Backfill	SDNMG10280460	10/28/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10280461	10/28/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	па	па
Backfill	SDNMG10280462	10/28/2004	Caliche Sand	0.9	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10280463	10/28/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	па	na
Backfill	SDNMG10280464	10/28/2004	Caliche Sand	0.5	pu	pu	pu	na	na	na	па	па
Backfill	SDNMG10280465	10/28/2004	Caliche Sand	1.0	pu	nd	pu	na	na	na	па	na
Backfill	SDNMG10290466	10/29/2004	Caliche Sand	0.0	pu	pu	pu	na	na	па	na	na
Backfill	SDNMG10290467	10/29/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10290468	10/29/2004	Caliche Sand	0.0	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10290469	10/29/2004	Caliche Sand	0.8	pu	pu	pu	na	na	na	na	na
Backfill	SDNMG10290470	10/29/2004	Caliche Sand	0.0	pu	pu	pu	na	па	na	па	па
Backfill	SDNMG11010471	11/1/2004	Brown Clay Loam	0.0	pu	pu	pu	na	па	na	па	па
Backfill	SDNMG11010472	11/1/2004	Brown Clay Loam	0.3	pu	pu	pu	na	па	na	па	na
Backfill	SDNMG11010473	11/1/2004	Brown Clay Loam	0.0	pu	pu	pu	na	na	na	па	na
	New Mexico	Oil Conservatic	in Division Remedial Goals	100.0			100.00	50.000	10	+		ł
¹ bgs – below ground sur	face											
*VOC-Volatile Organic	Contaminants/Constituents		~ ~	nd - not detected	above the	instrument	detection limit.					
GRO-Gasoline Range (	Drganics (C ₆ -C ₁₀ )		•	na - Not Analyzec								
"DRU-Diesel Kange Urg	ganics (>C ₁₀ -C ₂₈ )											
³ TPH(8015 Mod.)-Total	Petroleum Hydrocarbon = G	RO+DRO.										

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Duke Energy. Field Services

Laboratory analyses were performed by Assaigai Laboratories of Albuquerque, New Mexico

NMG-148C RELEASE SOIL REMEDIATION CLOSURE DOCUMENTATION December 2004

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ASSAIGAI ANALYTICAL LABORATORIES, INC. 4301 Mosthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N + El Paso, Texas 79925 + (915) 593-6000 + FAX (915) 593-7820 127 Eastgate Drive, 212-C + Las Alamos, New Maxico 87544 + (505) 662-2558

ENVIRONMENTAL PLUS, INC. attn: PAT McCASLAND P.O. BOX 1558 EUNICE NM 88231

	Explanation of codes	
8	analyte detected in Method Blank	į
E	rosult is estimated	-
H	analyzed out of hold time	
N	ientatively identified compound	
Ś	subcontracted	
1-9	see foomote	ź

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Assaigal Analytical Laboratories, Inc.

# **Certificate of Analysis**

Client:	EN	VIRONMEN	TAL PLUS,	ING,		حر	<b></b>	$\sim$			
Project: Order:	NM 041	G 148 0577 E	NV03	Receipt: 10-26-04	44%barr	FRANK	CCT Sant of Assarg	N Ansyster Lad	overones, in	2	
Sample:	SD	NMG1		от таклония и торийн так тор	Collected: 10-1	4-04 10:30	00 By: /	en			
Matrix	С	······						s			
OC Govern	'n	Prici Questian	~~ CAS#	Analuta	Recuit	l inits	Dilution	Detection	Code	Prep Date	Run Date
	5-12-144 		under som men ander her En en	STR TRACTOR TO THE MADE TO THE		·····					
0410577-0	DÏA	1400 man + 140 mm	SW846 50	358/6015B GRO by GC/FID		1		By:	TRS	10.00 0	10.22.82
X041387		AU 2004, 1903.	)	Gasoline Range Organics	ND	mg / Kg		0.05		10,20-01	10-20-09
0410577-0	01A		SW846 80	158 Diesel Range Organics b	y GC/FID	سمىيارىدى رايون	%v	By:	MDE		
X041403		XG 2004, 1922.5	<b>i</b>	Diesel Range Organics	ND	mg / Kg	1	25		10-29-04	10-29-04
Sampie. Matrix:	SD C	NMG2		nethale water an	Collected: 70-1	4-04 12:25:	00 By: /	N9		****	
QC Group	р	Run Sequen	ce CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prop Date	Run Date
0440577.0	02à	1.72.7. 19939.9603.00	S14/9 Å 8 60	TERMALE COOL COED				By	TRS		
X641367	VAR	XG.2004 1903.1	0	Gasoline Range Organics	ND	mg / Kg	1	0.05		10-26-04	10-28-04
0410577-0	02A		SW846 80	156 Diesel Ranne Organics b	v GC/FID	. /		Β̈́ν:	MDE		
X041403		XG.2004.1922.0	F	Desel Range Organics	ND	mg / Kg	. <b>1</b>	25	:	10-29-06	10-29-04
Sample:	SD.	NMG3	- C	······································	Collected: 10-1	4-04 14.00.	00 By: /	N9		e nama à am	
Matrix:	С	· · · ·					and and a state of the state of				
							Dilution	Detection		Prep	Run
QC Grout	P	Run Sequen	ce CAS#	Analyte	Result	Units	Factor	Limit	Code	Date	Date
0410577-4	03A		SW846 50	35B/8015B GRO by GC/FID				By:	TRS		
X041397		XG.2004.1903.	0	Gasciine Range Organics	ŅD	mg / Kg	1	0.05		10-28-04	10-28-04
Fage 1 of	· 11			SOLCoyole: Reports 1	1.0410200936XX			Report Da	11/2	2/2004 5	33:55 PM

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#### Assalgal Analytical Laboratories, Inc. Certificate of Analysis

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Project:	NMG	148	um ("Lebidy II	a na huf e									
Order:	04105	577 EN	/03	Receipt:	10-26-04								
Sample:	SDNA	//G3	****** · I' ******* *****		ayınının	Collect	ed: 10-1	14-04 14:00:0	ю ву: J	Me		222.2	
Mətrix:	С												
QC Group	f	Wn Sequence	CAS #	····	Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-0	3A		SW846.80	158 Diesel	Range Organic	s by GC/FIL			5	By:	MOE		
X041403	)	G,2004, 1922.9		Dies	el Range Organi	cs	ND	mg / Kg	1	. 25		10-29-04	10-29-0
Sample:	SDNI	NG4		a a na a a a a a a a a a a a a a a a a		Collect	od; 10-	15-04 8:30:00	) By: /	MB			
Matrix:	С												
QC Group		Wn Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
• • • • •						•				Pir	TRS	1	
0410577-0 X041397	4A )	(G.2004,1903.12	577846 50	Gasol	ine Range Ordar	nics	0.078	mg / Kg	1	0.05		10-28-04	10-28-0
0440573 0	я.к.		C16/04C 06		Dance Octable	- NUCCER		kikidasiki. <del>M</del> rista wila .	6	Be:	MDE		
94105/7-0 X041403	4A )	(0,2004-1922.10	S44940 00	Des	el Range Organi	CS SCITT	ND	mg / Kg	1	25		10-20-04	10-29-0
				n jà vuissa - ma	nnesen en er	·		45 04 B-45 0	1 <b>D</b> .c	i AC			
Sample; Matrix	SDNI C	NG5				Coneci	ea. 10~	13-04 9. raju	у Б <u>у</u> , 1	• • • • • • • • • • • • • • • • • • •			
									Oilution	Detection		Prep	Run
QC Group		Run Sequence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0410577-0	5A		SW846 50	358/80158	GRO by GC/FI	2				By:	TRS		
X041397	,	(G.2004, 1903, 13		Gasol	line Range Organ	nics	0.29	mg / Kg	1	0.05	,	10-28-64	10-28-0
0410677-0	5A		SW846 80	15B Diesel	Range Organic	s by GC/Fil	)			By:	MDE		
X041403	,	(G.2004.1922.11		Qies	el Range Organi	<b>čs</b>	ND	mg / Kg	1	25	į	10-29-04	10-29-0
Sample:	SDN	NG6			-2.000000000000000000000000000000000000	Collect	ed: 10-	15-04 9/40:00	7 By;	MB	··		
Matrix	C												x, :
QC Group	ł	Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-0	6A		SW846 50	358/80158	GRO by GC/FI	D				By:	TRS		
K04 1397	)	(G.2004.1903.16		Gaso	line Range Orgai	nics	0.14	mg / Kg	1	Q,05		10-28-04	10-28-0
0410577-0	6A		SW846 80	158 Diese	l Range Órganic	s by GC/Fil	<b>)</b>	and the state of the	•••**	By:	MDE		
X041403	)	G:2004 1922.12	5 × 50000000000000000000000000000000000	Dies	el Range Organi	l <b>cs</b>	ND	mg / Kg	1	25		10-29-04	10-29-0
Sample:	SDNI	VIG7			·····	Collect	ed: 10-	15-04 10:151	20 By:	MB	********		
Matrix	С												
QC Group	**************************************	Run Sequence	CAS#	- Ardiana - elefile	Analyto		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Rim Date
		11.1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	"، تتقديد ديني. 	المراجعة المراجعة الم المحمد مالية بمرسية								. *****	
0410577-0 X041397	17 <b>A</b>	KG.2004,1963.17	SW846 50	35B/8015B Gaso	GRD by GC/FII line Range Orga	nice	ND	mg / Kg	· · · · · · · · · · · · · · · · · · ·	0.05	(KS	10-28-04	10-28-0

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NUMBER 1490         NUMBER 10-26-04           Sample:         SDNMGGT         ENVEQ         Delection:         P6-75-04 10:75:00 By: M8           Mask:         C         Dilution:         Delection:         Prep Run           OC Group:         Run Sequence         CAS #         Anatyte         Result         Units         Factor         Limit         Code Date         Date           Sample:         SDNMGG         No. 1622-16         Deset Range Organics by CCRID         By: M6E         Disection:         Prep Run           Sample:         SDNMGGB         Codected:         ND         mg /Kg         1         25         T0.2044         10.2           Sample:         SDNMGGB         Codected:         ND         mg /Kg         1         25         T0.2044         10.2           Sample:         SDNMGGB         Codected:         ND         mg /Kg         1         25         T0.2044         10.2           Actistar         XG 300, 1602.17         Gasolise Frange Organics by CCFD         By: MSE         10.2054         10.2         10.2054         10.2         10.2054         10.2054         10.2054         10.2         10.2054         10.2054         10.2054         10.2054         10.2054         10.2054	Name         Name <th< th=""><th>Circlash</th><th></th><th>CNIA</th><th>L MLUS, I</th><th>NU.</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	Circlash		CNIA	L MLUS, I	NU.									
Sample:         SDNMG7         Delected:         70-15-04 10:13:00 By:         Md           Matrix:         C         Dilution         Delection         Prep         Run           OC Group:         Run Sequence         CAS #         Analyte         Result         Units:         Factor         Limit         Code         Date	ample:         SDMMG7         Collected:         1/1/5/04 10:75:00         By:         MSE           taria:         C         Dilution         Detection         Prep         Run           CG Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date <td< th=""><th>Order: (</th><th>0410577</th><th>ENV</th><th>03</th><th>Receipt.</th><th>10-26-04</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	Order: (	0410577	ENV	03	Receipt.	10-26-04								
Matrix:         C           QC Group         Run Seguence         CAS #         Analyte         Rosult         Units         Factor         Linit         Code         Date         Da	Isinic         C           CGroup         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Prep         Run           CGroup         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Prep         Run           CGroup         SWA46 80158         Diseel Range Organics by GC/FID         By:         MdB         1         2.5         MdB           CGroup         Run Bequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date         Date           CGroup         Run Bequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date	Sample:	SDNMG7					Collecte	sd: 10-	15-04 10:15.	00 By:	MØ			
Dilution         Detection         Prep         Run           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Linit         Code         Date           Date G77747A         SW246 5015B         Diesel Range Organics         by         MD         mg /Kg         1         25         MDE         Diston         By         MDE           Simple:         SDNMG3         Collected:         10-15-04 12 10 00         By         MPE         NDE	CC Group Run Sequence         CAS #         Analyte         Betuil         Units         Pactor         Limit         Code Date         Date           6/077-07A served         SWA46 8015B         Diesel Range Organics by GCFID         By:         MDE         1         25         10.289.4         18-28           ample         SDNM66 8         Collected:         10.150.0         By:         MDE         10.289.4         18-28           ample         SDNM66 8         Collected:         10.150.0         By:         MDE         10.289.4         18-28           ample         SDNM66 8         Status         Collected:         10.150.0         By:         MDE         10.289.4         18-28           410677-084         SW946 8015B         Gasoline Range Organics         ND         mg/Kg         1         0.05         10.289.4         19-28           410677-084         SW946 8015B         Diesel Range Organics         ND         mg/Kg         1         0.05         10.289.4         19-28           410577-054         SW946 8015B         Diesel Range Organics         ND         mg/Kg         1         0.05         10.280.4         19-28           410577-054         SUM46 8015B         Diesel Range Organics         ND	Matrix: (	с								u ili kananin umaa		New 30 7460 4 2027		
Build 577-07A Kon 1453         SWE46 6015B         Diesel Range Organics         V QC/FID         By/         MDE         T02904         10-25         10-2904         10-2           Simple:         SD/MIG8         Collected:         10-764         21000         By/         MB         10-25         10-2904         10-2           QC Group         Run Bequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date<	SW346 8015B Diesel Range Organics by GC/FID         By:         MDE           ample:         SDNMAGS         Diesel Range Organics         ND         mg / Kg         1         25         Diesel Range Organics         ND         mg / Kg         1         25         Diesel Range Organics         ND         mg / Kg         1         25         Diesel Range Organics         ND         mg / Kg         1         25         Diesel Range Organics         ND         mg / Kg         1         25         Diesel Range Organics         ND         mg / Kg         1         25         Diesel Range Organics         ND         MD         mg / Kg         1         25         Diesel Range Organics         ND         MD	QC Group	Run Seq	uence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
NOL1403         XX3 2004.1922.15         Diesel Range Organica         ND         mg /Kg         1         25         10.280.4         10.2           Sample:         SDNMC3         Colincided:         10.75.04 12:10:00 By:         M3           GG Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Dilution         Detection         Prep         Run           X613677-08A         SW946 50359/40158         GRO by GC/FID         By:         TKS         10.280.4         10.02           X61367         X6 2004 1502 16         SW946 50158/100 168 Range Organics         ND         mg /Kg         1         0.06         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         10.280.4         1	Contract         XC 2004.1922.15         Diesel Range Organicas         ND         mp / Kg         1         25         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4         10.259.4	0410577-07/	4		SW846 80	158 Diese	I Range Örgani	cs by GC/FID				By:	MDE		
Sample:         SDMMG8         Collected:         10-15-04 12:10:00         By:         MB           Matrix:         C         Dilution         Doctron         Prep         Run           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date           XG 204 1503.16         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-94         18-2           XG 2034 1503.16         Disesil Range Organics         ND         mg / Kg         1         2.6         10-38-94         18-2           Sample:         SD/MAG9         Collected:         70-15-04 13:45:00 By:         MB         MB           Math:         C         C         Dilution         Detection         Prep         Run           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date	ample:       SDNMG8       Collected:       10.475.04 12.70.00 By:       M8         tation:       C       Dilution Detection       Prep Run         CG Group       Run Sequence       CAS #       Analyte       Result       Units       Factor       Linit.       Code       Dilution Detection       Prep Run         Art6577-08A       SW946 50350/60158 GRO by GC/FID       By:       M7       10.05       to.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       10.28-04       <	X041403	XG 2004.1	922.15		Dies	iel Range Organ	kus	ND	mg / Kg	1	25	·	10-29-04	10-29
Matrix:         C         Dilution         Detection         Prep         Run           DC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Linit         Code         Date           M10577-08A         SW946 50359/6015B         GRO by GC/FID         By         TRS         10-28-04         10-27           M10577-08A         SW946 8015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-2           M010577-08A         SW946 8015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-2           Sample:         SD/M/GG9         Collected:         10-15-04 13:45:00         By         MD         MD         mg / Kg         1         2.5         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04	Listic         C           CC Group         Run Sequence         CAS #         Analyto         Result         Units         Factor         Limit         Code         Ditution         Detection         Prep         Run           610577-08A         SW946 50358/6015B         GRo by CC/FID         By:         TRS         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94	Sample:	SDNMG8	aaaa,	, e y constantina estata de la	:	······	Collecte	:d: 10-1	15-04 12:10:	00 By: 1	N8		149 Y 1 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	·······
QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           0410577-056A         SW946 50350/6015B GR0 by GC/FID         By:         TRS         10-38-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-	C Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           C40577-88A         SW946 50358/46158         Gasoline Range Organics. ND         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-	Matrix: (	Ċ												
QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Linit         Code         Date         Date           b410577-05A         SW346 50358/6015B         Gasoline Range Organics         ND         mg / Kg         1         0.05         10.38-04         10.2           b410577-05A         SW346 50358/6015B         Diesel Range Organics         ND         mg / Kg         1         0.05         10.38-04         10.2           b410577-05A         SW346 5015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10.38-04         10.2           b410577-05A         SW346 5015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10.28-04         10.2           CG Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Linit         Code         Date         Da	CL Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           410677-084         SW946 501550/60150         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94         10-28-94 <td>,</td> <td></td> <td>• • • • • • • • • • • • • • • • • • •</td> <td></td> <td>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</td> <td></td> <td></td> <td></td> <td></td> <td>Dilution</td> <td>Detection</td> <td></td> <td>Prep</td> <td>Run</td>	,		• • • • • • • • • • • • • • • • • • •		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Dilution	Detection		Prep	Run
bit 1657-08A KKe 1867         SW346 50158/B0158 GRO by GC/FID         By: Max 1803         TRS 10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-	stiss77-03A         SW346 50350/6015B GRO by GC/FID         By:         TRS           set1967         X0 2004 t003.16         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04<	QC Group	Run Seq	uence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
XGe1367         XG 2004 1503.18         Gasoline Range Organics         ND         mg / Kg         1         0.05         10.28-04         10-2           D410577-0BA         XG 2004 1922.16         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-2           Sample:         SD/MGG         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-2           GC Group         Run Sequence         CAS #         Anatyte         Result         Units         Factor         Limit         Code         Date Date           QC Group         Run Sequence         CAS #         Anatyte         Result         Units         Factor         Limit         Code         Date	Cartile?         XG 2004 1503 18         Gasoline frange Organics         ND         mg / Kg         1         0.05         10:28:44         19:28- 10:28:44           440577-08A         SW946 8015B         Diesel Range Organics         ND         mg / Kg         1         2.6         10:28:44         19:28- 10:28:44           ample:         SD/MIG9         Collected:         10:45:00         By:         MB           latik:         C         Collected:         10:45:00         By:         MB           cf: Group         Run Sequence         CAS #         Ansityte         Result         Units         Factor         Limit         Code         Diate         Date	0410577-08/	4		SW846 50	158/6015B	GRO by GC/FI	D				By:	TRS		
B416577-85A K041433         SW546 50158         Diesel Range Organics by GC/FID         By: MDE         MDE           Sample:         SDNMG9         Collected:         10-15-04 13/45:00 By: M9         M9         10-28-04         16-2           QC Group QC Group Run Sequence         CAS #         Ansityto         Result         Units         Factor         Limit         Code         Date         Date         Date           QC Group QC Group QC Group         Run Sequence         CAS #         Ansityto         Result         Units         Factor         Limit         Code         Date	419577-08A         SW846 80158 Diesel Range Organics by GC/FID         By:         MDE           051403         XG 2031.122.18         Diesel Range Organics         ND         mg / Kg         1         25         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-2	X341397	XG 2004.1	503.18		Gaso	line Range Orga	inics	ND	mg / Kg	1	0.05		10-28-04	10-29-
X624043         X62404192216         Diesel Range Organics         ND         ng / Kg         1         25         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34         10-28/34 <th< td=""><td>XG 2004 1922 16         Diesel Range Organics         ND         mg / Kg         1         25         10.39.04         16.39.           ample:         SDNMG9         Collected:         ?0.15.04         13.45:00         By:         MB           tettix:         C         Dilution         Detection         Prop         Ruin           cC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         <t< td=""><td>0410577-08/</td><td>4</td><td></td><td>SW846 80</td><td>158 Diese</td><td>I Range Organi</td><td>cs by GC/FID</td><td></td><td></td><td></td><td>By:</td><td>MDE</td><td></td><td></td></t<></td></th<>	XG 2004 1922 16         Diesel Range Organics         ND         mg / Kg         1         25         10.39.04         16.39.           ample:         SDNMG9         Collected:         ?0.15.04         13.45:00         By:         MB           tettix:         C         Dilution         Detection         Prop         Ruin           cC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date <t< td=""><td>0410577-08/</td><td>4</td><td></td><td>SW846 80</td><td>158 Diese</td><td>I Range Organi</td><td>cs by GC/FID</td><td></td><td></td><td></td><td>By:</td><td>MDE</td><td></td><td></td></t<>	0410577-08/	4		SW846 80	158 Diese	I Range Organi	cs by GC/FID				By:	MDE		
Sample:     SDNMG9     Collected:     10-15-04     13-48:00     By:     MB       Matrix:     C     Dilution     Detection     Prep     Ruit       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       0410577-09A     SW846 5035B/8015B     GRO by GC/FID     By:     TRS     10-28-04     19-25       0410577-09A     SW846 6015B     Diesel Range Organics     ND     mg / Kg     1     2.5     10-28-04     19-25       0410577-09A     SW846 6015B     Diesel Range Organics     ND     mg / Kg     1     2.5     10-28-04     10-25       0410577-09A     SW846 6015B     Diesel Range Organics     ND     mg / Kg     1     2.5     10-28-04     10-25       Sample:     SDNMG10     Collected.     70-75-04 14.45.09     By:     MD     MD     MD       CG Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       D410677-10A     SW846 6035B/8015B     Gesoline Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-25       D410677-10A     SW846 6035B     Diesel Range Organics     ND     mg / K	Simple:         SDNMG9         Collected:         10-15-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04         13-45-04	X04 1403	XG 2004, 1	922.15		Dies	el Range Organ	1008	ND	mg / Kg	1	25		10-29-04	10-29
Mathic         C           DCG Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Linkt         Code         Date         Da	Listik:       C         Dilution       Detection       Prep       Run         At 0577-09A       SWR46 50358/8015B       GRO by GC/FID       By:       TRS         Dilution       Detection       Prep       Run       Duite       Duite <t< td=""><td>Sample;</td><td>SDNMG9</td><td></td><td></td><td></td><td></td><td>Collecte</td><td>ed: 10-1</td><td>15-04 13:45:1</td><td>00 By: 1</td><td><b>V</b>8</td><td>,</td><td></td><td>#ii</td></t<>	Sample;	SDNMG9					Collecte	ed: 10-1	15-04 13:45:1	00 By: 1	<b>V</b> 8	,		#ii
Dilution     Detection     Prop     Ruit       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       0410577-09A     SW846 50358/80158     GRO by GC/FID     By:     TRS       0410577-09A     XG-2004.1903.18     Gasolino Range Organics     MD     mg / Kg     1     0.05     10-28-04     19-20       0410577-09A     SW846 50358/80158     Diesel Range Organics     ND     mg / Kg     1     25     10-28-04     10-28-04       0410577-09A     SW846 50158     Diesel Range Organics     ND     mg / Kg     1     25     10-28-04     10-28-04       0410577-09A     XG-2004.1922.17     Diesel Range Organics     ND     mg / Kg     1     25     10-28-04     10-28       Sample:     SD/M/G10     Collected.     70-75-04 14/45.00     By:     MD       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     26       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     26       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     L	Dilution     Detection     Prep     Run       CG Group     Run Sequence     CAS #     Anatyte     Result     Units     Factor     Limit     Code     Date     Date       410577-09A     SWB46 6035B/8015B     GRO by GC/FID     By:     TRS       410577-09A     SWB46 6035B/8015B     GRO by GC/FID     By:     MDE       410577-09A     SWB46 6015B     Diesel Range Organics by GC/FID     By:     MDE       410577-09A     SWB46 6015B     Diesel Range Organics     ND     mg / Kg     1     0.05       amplo:     SDNMG70     Collected.     10-15-04 14.45.00     By:     MDE       amplo:     SDNMG70     Collected.     10-15-04 14.45.00     By:     MDE       attic:     C     C     Dilution     Detection     Prep     Run       C Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       SW346 6035B/B015B     GRO by GC/FID     By:     MDE     10-26-04     10-28-04     10-28-04       Attact     C     Gasoline Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-28-04       Attact     C     Gasoline Range Organics     ND     mg / Kg	Metrix: (	<b>C</b>												
QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           bd10577-09A         SW946 5035B/8015B         GRO by GC/FID         By:         TRS           x061387         XG 2004.1903.19         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-25           bd10577-09A         SW846 6015B         Diesel Range Organics         ND         mg / Kg         1         2.05         10-28-04         10-25         10-28-04         10-25           bd10577-09A         SW846 6015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-25           Sample:         SDNMG70         Collected.         10-15-04 14:45.00         By:         MD           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date         Date         Date         Date         Date	Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date           410577-09A         SWB46 50358/80158         GRO by GC/FiD         By:         TRS           641387         XG 2004 1903.19         Gasolino Range Organics         ND         mg / Kg         1         0.05         10-28-04         19-28-           410577-09A         SWB46 6015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         19-28-           410577-09A         SWB46 6015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-28-           ample:         SDNMG10         Collected.         70-15-04 14-45.00         By:         MB           latik:         C         C         Dilution         Detection         Prep         Run           C Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date										Dilution	Detection		Prep	Ruń
De10577-09A         SW646 50358/80158 GRO by GC/FID         By: TRS           K061387         XG 2004,1903.19         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         19-2           Dd10577-09A         SW846 8015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         19-2           Dd10577-09A         SW846 8015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-2           Sample:         SDNMG10         Collected.         10-15-04 14:45:00         By: MD         MB           Matrix:         C         C         Dilution         Detection         Prep         Run           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         Date<	410577-09A         SW846 5035B/8015B GRO by GC/FID         By:         TRS           0e1387         XG 2004.1903.19         Gasoline Range Organics         MD         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04 <td>QC Group</td> <td>Run Seq</td> <td>uence</td> <td>CAS #</td> <td></td> <td>Analyte</td> <td>,</td> <td>lesuit</td> <td>Units</td> <td>Factor</td> <td>Limit</td> <td>Code</td> <td>Date</td> <td>Date</td>	QC Group	Run Seq	uence	CAS #		Analyte	,	lesuit	Units	Factor	Limit	Code	Date	Date
K061397         XG 2004.1903.19         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-28           Dd10577-09A         SW846 6015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-25           Dd10577-09A         SW846 6015B         Diesel Range Organics         ND         mg / Kg         1         2.5         10-28-04         10-25           Sample:         SDNMG10         Collected.         10-15-04 14:45:00         By:         MB           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date         <	Decision         XG 2004.1903.19         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04	0410577-09/	4		SWB46 50	358/80158	GRO by GC/FI	D				By:	TRS		
Dd10577-09A K041403         SW846 8015B         Diesel Range Organics by GC/FiD         By:         MDE           Sample:         SDNMG10         Collected.         10-15-04 14:45:00         By:         MB           Matrix:         C         C         Difution         Detection         Prep         Run           2C Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date	SW846 8015B         Diesel Range Organics by GC/FID         By:         MDE           ample:         SDNMG10         Collected.         10-15-04 14:45:00 By:         MB           ample:         SDNMG10         Collected.         10-15-04 14:45:00 By:         MB           cC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date	K041397	XG.2004.3	903.19	<u> </u>	Gəso	line Range Orga	irics	ND	mg≀Kg	1	0.05		10-28-04	10-28-
X041403         X62404.1922.17         Diosici Range Organics         ND         mg / Kg         1         25         10-26-44         10-25           Sample:         SDNMG10         Collected.         10-15-04         14/45.00         By:         MB           Matrix:         C         Dilution         Detection         Prep         Run           QC Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date	Data         XG.2004.1922.17         Diesel Range Organics         ND         mg / Kg         1         25         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04 <th< td=""><td>0410577-09/</td><td>4</td><td></td><td>SW846 60</td><td>158 Diese</td><td>I Range Organi</td><td>cs by GC/FID</td><td></td><td></td><td></td><td>By:</td><td>MDE</td><td></td><td></td></th<>	0410577-09/	4		SW846 60	158 Diese	I Range Organi	cs by GC/FID				By:	MDE		
Sample:       SDNMG10       Collected.       10-15-04 14:45:60       By:       MB         Matrix:       C       Dilution       Detection       Prep       Run         QC Group       Run Sequence       CAS #       Analyte       Result       Units       Factor       Limit       Code       Date       Date<	sample:       SDNMG10       Collected.       10-15-04 14:45:60       By:       MB         tatix:       C       Dilution       Detection       Prep       Run         tC Group       Run Sequence       CAS #       Analyte       Result       Units       Factor       Limit       Code       Date       Date       Date         416577-10A       SW846 50358/8015B       GRO by GC/FID       By:       TRS       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28-04       10-28	X041403	XG.2004.1	922.17		Dies	iel Range Organ	ics	ND	mg / Kg	1	25		10-26-04	10-29
Matrix       C         QC Group       Run Sequence       CAS #       Analyte       Result       Units       Factor       Limit       Code       Date	Itatix     C       IC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       1410577-10A     SW846 6035B/8015B     GRo by GC/FID     By:     TRS       1410577-10A     SW846 6015B     Dissel Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-28-       14103     XG.2004.1922.18     Gesoline Range Organics     ND     mg / Kg     1     25     10-29-04     10-29-       14103     XG.2004.1922.18     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-29-       14103     XG.2004.1922.18     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-29-       14103     XG.2004.1922.18     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-29-       14103     XG.2004.1963.21     Collected: 70-18-04 8:00:00     By:     MB       1410577-11A     SW846 5035B:/8015B     GRO by GC/FID     Ey:     TRS       1410577-11A     SW846 5035B:/8015B     GRO by GC/FID     Ey:     TRS       1410577-11A     SW846 5035B:/8015B     GRO by GC/FID     Ey:     TRS       1410577     XG.2004.1953.21 <t< td=""><td>Sample:</td><td>SDNMG10</td><td></td><td></td><td></td><td><u></u></td><td>Collectr</td><td>id. 10-7</td><td>15-04 14:45:</td><td>00 By: 1</td><td>หย</td><td></td><td></td><td></td></t<>	Sample:	SDNMG10				<u></u>	Collectr	id. 10-7	15-04 14:45:	00 By: 1	หย			
Dilution     Detection     Prep     Run       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date	Dilution     Detection     Prep     Run       1C Group     Rin Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date     Date     Date       410577-10A     SW846 6035B/E015B     GRO by GC/FID     By:     TRS     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-	Matrix: (	C							1 1990-00-00-00-00-00-00-00-00-00-00-00-00-			e en e 123		
QC Group     Rin Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date     Date       0410577-10A     SW846 5035B/8015B     GRO by GC/FID     By:     TRS       X041257     XG2004.1903.20     Gesoline Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-28       0410577-10A     SW846 6035B/8015B     Diesel Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-28       0410577-10A     SW846 8015B     Diesel Range Organics     ND     mg / Kg     1     25     10-28-04     10-28       X041403     XG.2004.1922.18     Diesel Range Organics     ND     mg / Kg     1     25     10-28-04     10-28-04       Sample:     SDNMG11     Collected:     10-18-04     8:00:00     By:     MB       Matrix:     C     C     Difution     Detection     Prep     Run       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       QC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       QC Group     Run Sequence     CAS #     Analyte<	Run Sequence       CAS #       Analyte       Result       Units       Factor       Limit       Code       Date       Date         410677-10A       SW946 50358/80158       GRO by GC/FID       By:       TRS         ba1387       XG.2004.1903.20       Gesoline Range Organics       ND       mg / Kg       1       0.05       10-28-04       10-28-04         410677-10A       SW846 80158       Diesel Range Organics       ND       mg / Kg       1       25       10-28-04       10-28-04         41003       XG.2004.1922.16       SW846 80158       Diesel Range Organics       ND       mg / Kg       1       25       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04       10-29-04 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Dilution</td> <td>Detection</td> <td></td> <td>Prep</td> <td>Run</td>										Dilution	Detection		Prep	Run
D410577-10A         SW846 5035B/8015B GRO by GC/FID         By:         TRS           K041257         XG.2004.1903.20         Gesoline Range Organics         ND         mg / Kg         1         0.05         10.28-04         10-2           0410577-10A         SW846 8015B Diesel Range Organics         ND         mg / Kg         1         2.05         10.28-04         10-2           0410577-10A         SW846 8015B Diesel Range Organics         ND         mg / Kg         1         25         10-29-04         10-2           0410577-10A         XG.2004.1922.16         Diesel Range Organics         ND         mg / Kg         1         25         10-29-04         10-2           Sample:         SDNMG11         Collected:         10-18-04 8:00.00         By:         MB           Vlatikx:         C         C         Dilution Detection         Prep Run           2C Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           2C Group         Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           2410577-11A         SW846 50350A150 Dib         Gasoline Ra	A10677-10A         SW846 503SB/8015B GRO by GC/FID         By:         TRS           041397         XG.2004.1903.20         Gesoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04 <td>QC Group</td> <td>Rùn Seq</td> <td>wence</td> <td>CAS #</td> <td></td> <td>Analyte</td> <td>1</td> <td>Result</td> <td>Units</td> <td>Factor</td> <td>Limit</td> <td>Code</td> <td>Date</td> <td>Oate</td>	QC Group	Rùn Seq	wence	CAS #		Analyte	1	Result	Units	Factor	Limit	Code	Date	Oate
K041357         XG.2004.1903.20         Gesoline Range Organics         ND         mg / Kg         1         0.05         10.28-04         10-28-04         10-28-04         10-28         10-28-04         10-28         10-28-04         10-28         10-28-04         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-28         10-	Datass7         XG2004.1993.20         Gesoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04	1410577-104			SW846 50	358/80158	GRO IN GC/FI	n				Bv:	TRS		
D418577-10A     SW846 8015B Diesel Range Organics by GC/FID     By: MDE       XG.2004.1922.16     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-29-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     10-28-04     <	SW846 8015B     Diesel Range Organics by GC/FID     By:     MDE       041403     XG.2004.1922.16     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-29-04       ample:     SDNMG11     Collected:     10-18-04 8:00:00     By:     MB       atrix:     C       C Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code       \$W846 5035B16015B     GRO by GC/FID     By:     TRS	(041897	XG 2004.1	903.20		Gaso	line Range Orge	nics	ND	mg / Kg	1	0.05		10-28-04	10-28-
K04 1403     XG.2004.1922.16     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-2       Sample:     SDNMG11     Collected:     10-18-04 8:00:00     By:     MB       Vlatilix:     C       2C Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code       2C Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code       2410577-11A     SW846 5035B/8016B     GRO by GC/FID     Ey:     TRS       Gasoline Range Organics     ND     mg / Kg     1     0.05     10-28/04     10-28/04	De1403     XG.2004.1922.16     Diesel Range Organics     ND     mg / Kg     1     25     10-29-04     10-26-04       emple:     SDNMG11     Collected:     10-18-04     8:00:00     By:     MB       latiox:     C       C Group     Run Sequence     CAS #     Analyte     Result     Difution     Detection     Prep     Run       410577-11A     SW846     5035E/8015B     GRO by GC/FID     Ey:     TRS       41387     XG:2004     1903.21     Gasoling Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-28-04	0410577-10/			SW846 80	15B Diese	I Range Organi	cs by GC/FID				By:	MDE		
Dample:     SDNMG11     Collected:     10-18-04 8:00:00     By:     M8       Matrix:     C       DC Group     Run Sequence     CAS #     Analyte     Dilution     Detection     Prep     Run       DC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       D410577-11A     SW846 5035B/8016B     GRO by GC/FID     By:     TRS       col 1387     XG.2004.1903.21     Gasoline Range Organics     ND     mg / Kg     1     0.05     10-28/04     10-28/04	ample: SDNMG11 Collected: 10-18-04 8:00:00 By: M8 latik: C C Group Run Sequence CAS # Analyte Result Units Factor Limit Code Date Date \$10577-11A SW846 5035E/8016B GRO by GC/FID Ey: TRS \$41387 XG:2004.1903.21 Gasoline Range Organics ND mg / Kg 1 0.05 10-28-04 10-28-04	KB4 1403	XG.2004.1	822.16		Dies	el Range Organ	ics	ND	mg / Kg	<u> </u>	25		10-29-04	\$0-29-
Valtik: C Dilution Detection Prep Run DC Group Run Sequence CAS # Analyte Result Units Factor Limit Code Date Date D410577-11A SW846 5035B/8015B GRO by GC/FID By: TRS K041387 XG:2004.1953.21 Gasoline Range Organics ND mg / Kg 1 0.05 10-28/04 10-28	latilik. C C Group Run Sequence CAS # Analyte Result Units Factor Limit Code Date Date \$10577-11A SW846 5035B18015B GRO by GC/FID By: TRS \$41387 XG-2204-1903-21 Gasoline Range Organics ND mg / Kg 1 0.05 10-28-04 10-28-04	Sample: 9	SDNMG11					Collecti	id: 10-1	8-04 8:00:0	0 By: /	W8	. станьжара		
Dilution     Detection     Prep     Run       2C Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date       2410577-11A     SW846 5035B/8016B     GRO by GC/FID     Ey:     TRS       641397     XG-2004-1903-21     Gasoline Range Organics     ND     mg / Kg     1     0.05     10-28-04     10-28-04	C Group Run Sequence CAS # Analyte Result Units Factor Limit Code Date Date 410577-11A SW846 50356/80156 GRO by GC/FID By: TRS 41387 X(3.2004.1503.21 Gasoline Range Organics ND mg / Kg 1 0.05 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04	viat,ñx. (	c												
Ditution     Detection     Frep     Run       DC Group     Run Sequence     CAS #     Analyte     Result     Units     Factor     Limit     Code     Date     Date       D410577-11A     SW846 5035B/8016B     GRO by GC/FID     Ey:     TRS       K041387     X032004 1950 21     Gasoline Range Organics     ND     mg / Kg     1     0.05     10-28/04     10-28/04	C Group Run Sequence CAS # Analyte Result Units Factor Limit Code Date t10577-11A SW846 503565/80166 GRO by GC/FID Ey: TRS Strange Organics ND mg / Kg 1 0.05 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-04 10-28-0	nana taran Salah			4							Patadaa		Denne in	Ø
SW846         5035B/8015B         GRO by GC/FID         By:         TRS           641397         XG-2004-1903-21         Gasoline Range Organics         ND         mg / Kg         1         0.05         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28-04         10-28	\$10577-11A         SW846 5035E/8015B         GRO by GC/FID         By:         TRS           x1387         KG:2004.1903.21         Gasoline Range Organics         ND         mg / Kg         1         0.05         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04         10:28:04	2C Group	Run Seq	uence	CAS #		Analyte	F	tesult	Units	Factor	Limit	Code	Date	Date
A 10377411A SYNEHE BUSBENIAUTED GRU by GUTHD 59, 113 6041387 XG-2004-1503-21 Gasoline Range Organics ND mg / Kg 1 0.05 10-28-04 10-26	Club (14) (A         Sweete bid selise internet         Club (14) (A         Club (14) (A <th< td=""><td></td><td></td><td>******</td><td>614/022 FA</td><td>750/064<i>5</i>0</td><td>ARR IN CAM</td><td></td><td></td><td>·</td><td></td><td>Bá</td><td>TOC</td><td></td><td></td></th<>			******	614/022 FA	750/064 <i>5</i> 0	ARR IN CAM			·		Bá	TOC		
		14710377-778 1041397	NG.2004.1	903 21	399848 50	ddrusuaee Aaso	ence by Guiri	u nics	NÖ	mo / Ka	1	0.05	:50	10-28-04	10-28-4
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Sampie: Matrix:	SDN C	IMG11					AANGLAED. JU-	10-04 0.000	n est: «				
QC Group		Run Seq	uence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-1 X041403	1A	XG.2004.11	922,15	SW846 80	158 Diesel Dies	Range Organics el Range Organic	s by GC/FID	mg/Kg	1	Ву. 25	MDE	18-29-04	10-79-0
Sample:	SDN	IMG12					Collected: 10-	18-04 8:20:0	0 By: /	XB			2181-12-22
Matrix:	С			• • • • • • • • • • • • • • • • • • • •	**	· ···				···· orogen from			antanina alitera
QC Group		Run Seq	neure	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-1	2A			SW846 50	15B/8015B	GRO by GC/FID			•	By:	TRS	10. 30. 64	*****
X041397		XG.2004.1	903.22	-	Gasol	line Range Organ		mg / Kg		0.00 	. earis	10-20-04	*0-28-0
0410577-1 X841403	2A	XG.2004.11	822.20	SVV846 601	Diesel	el Range Organics	s ND	mğ/Kg	< <b>1</b>	25	##1L/K_	10-29-04	10-29-0
Sample: Matrix	SDA C	IMG13		e a mare de la construcción	<b></b>		Collected: 10-	18-04 10:45	20 Ву: И	AB			, 1000000000
				•••••••••••••••••••••••••••••••••••••••			argenigen of a state of the sta		Ditution	Detection		Prep	Ruń
QC Group	*1****	Run Sequ	uence	CAS #	a	Analyte	Result	Units	Factor	Limit	Coda	Date	Date
0410577-1 X041397	3A	XG.2004.11	903,23	SW846 503	SB/8015B Gasol	GRO by GC/FID line Range Organi	os. ND	mg / Kg	1	By: 0.05	TRS	10-23-04	10-28-0
0410577-1	3A			SW846 80-	158 Diesel	l Range Organics	by GC/FID			By:	MDE		
X641403		XG.2004.11	822.23		Dies	el Range Organic	s ND	mg / Kg	1	25		10-29-84	10-28-0
Sample: Matrix:	SDN C	IMG14					Collected: 10-	18-04 11:15.4	00 By: A	NB			credecte
QC Group		Run Seq	liénce	CAS ₽		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-1	4A			SW846 50:	\$8/8015B	GRO by GC/FID				By:	TRS		
K041397		XG.2004.15	903.24		Gasol	line Rançe Organi	cs ND	mg / Kg	A.c. Lasserseyers	0.05		10-28-04	10-28-0
0410577-1- X041403	4A	XG.2004.18	a22.22	SW846 801	ISB Diesel Dies	I Range Organics el Range Organico	by GC/FID s ND	mg / Kg		Βγ 25	MDE	10-29-04	10-29-0
Sample: Matrix:	SDA C	MG15		ite a adata			Collected: 10-	18-04 12:40 1	10 By: A	<b>4</b> 5		ing ann anna	¹
QC Group	×	Run Sequ	lenc <b>e</b>	ĆAS 8		Analyte	Result	Units	Ditution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-1	5A	****		SW846 503	15B/8015B	GRO by GC/FID		· martica	4	By	TRS	50.29.A4	10-29-0

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Project:	NMG 148										
Order:	0410577	ENV0	3 Rx	accept: 10-26-04							
Sampke:	SDNMG15				Collected: 10-1	8-04 12:40-0	io By: 1	WB	5-5-5		
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QC Group	Rün Seg	uence	CAS Ø	Analyte	Result	Units	Factor	Limit	Code	Date	Date
0410577-18	iA		SW846 80158	Diesel Range Organics	BY GC/FID			-8y:	MOE		
041403	XG 2004.1	922,23	· · · · · · · · · · · · · · · · · · ·	Diesel Range Organic	s ND	mg / Kg	1	25		10-29-94	10-29-0
Sample:	SONNCIE			· · · · · · · · · · · · · · · · · · ·	Collected: 10-1	8-04 15:05:0	10 By: 1	ИB	*	. · ·	
Matrix	C C										
				And Accession and a second		Vergegerenen,	Dibution	Detection	<b>1</b> 000	Piners	Run
OC Group	Run Sea	BROCE	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
			13-12 ⁻¹ 1-12 ⁻¹ 1-12-11-1		landa a sa na na na sa	ang trangersy			7750		
0410577-10 88434772	A vanicati	0130	SW846 50368	M80158 GRO by GC/FID		mn / Ka		аў. 0.25	,	10-29-04	10-29-0
								Êv	NETE		
0410577-11 X041403	XG.2004.1	922.24	SW645 80155	Diesel Range Organics		ma / Ka	,	25	580%ind fan 3.	10-28-04	10-29-0
								tanan an	·		
Sample:	SDNMG17				Collected: 10-1	9-04 8:16:00	r ey: r	ме			
Malrix:	C		andre sin an	······					·		
							Dilution	Detection		Prep	Run
QC Group	Run Seq	uence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
0410577-17	'A		SW846 5035B	Weo15B GRO by GC/FID			www.co.co.ee	By:	TRS		
X041402	XG 2004.1	913,10		Gasoline Range Organi	ica MO	mg / Kg	i . <b>i</b>	0.25		10-29-04	10-29-0
0410577-11	'A		SW846 8015B	3 Diesel Range Organics	; by GC/FID	nana çakı nanananının de ordendi oldu.		By:	MDE		
X04 1403	XG.2004.1	922.27		Diesel Rangé Organic	s NO	mg / Kg	1	25	,	10-29-04	10-29-0
Sample:	\$DNMG18				Collected: 10-1	9-04 9:38 00	By: /	мө			
Mairix:	Ċ										
	····			alaanaa oo sa ta			Dilution	Detection		Prep	Run
QC Group	Run Seq	uence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
0640577 <u>.</u> 45	14		CWRAR RADER		6			Bv:	TRS		
X041402	т ХG 2004.1	(913, 11		Gasoline Range Organ	ics ND	mg / Kg	1	0.25		10-29-04	4 10-29-0
0410577-18	A		SW846 80158	Olesel Range Órganic:	s by GC/FID			By;	MOE		
X041403	XG.2004.1	922.28		Diesel Range Organic	xa ND	mg / Kg	1	25		10-29-04	6 10-29-0
Samale	SAME AN			William Martine and a state of the state of	Collected: 10-	9-04 f1:20.0	10 Bv: /		lata soci	V/0/0007	
Matrix:	SDNMG13				en antigen anna an		y				
	<b>`</b>	****		······································	-00000 · · · · · · · · · · · · · · · · ·				·		
00.0	<b>n</b>			6 m = 8 6 m	Dairest	linita	Dilution	Detection	Code	Prép Data	Run Nato
	NUT Sec	insuce.	UK3 #	Matalytta		Units	1 00101				5.75.000.7 1 1
ur Group											
0410677-11	ia,		SW846 5035E	WED15B GRO by GC/FID	, ,	marker in the		By:	TRS		م يوبد مربع
0410677-11 K041402	ж ХС 2004.1	1913.12	5W846 50356	3/6015B GRO by GC/FID Gasoline Range Organi	ica 0.38	mg / Kg	: 1	Ву: 0.25	TRS	10-29-04	10-29-0

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Client:	ENVIRONME	ENTAL PLU	JS, INC.								
Order:	NMG 148 0410577	ENV03	Receipt	10-26-04							
Sample:	SDNMG19				Collected: 10-1	9-04 11:20.0	X) By:	MB			
Metrix	С										
QC Gröup	Run Sequ	ience CA	\$ #	Analyin	Result	Unks	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-10	ň.	SWA	15 BÖ15R DIAGA	I Ranne Organics i	w GC/FID			By:	MDE		
KO41403	XG 2004.15	22.29	Die	sel Range Orgánics	ND	mg / Kg	1 1	25		10-29-64	16-294
Sample:	SDNMG20				Collected: 10-1	9-04 13:30.0	20 By:	MŠ		angigari shisisani 1 n	
Metrixi	Ċ										·····
QC Group	Riin Segu	ience CA	S #	Analyte,	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
	44194 (* 1777) 2	#3276.	***					Rue	TPS		
X0410077-20, X041482	я - XG 2084.19	13.13	Gase	line Range Organics	ND ND	mg / Kg	1	0.25		10-29-04	10-29-
0410577-20.	4	SW8	16 80158 Diese	I Range Organics t	w GC/FID			<b>By</b> :	MDE		
X041403	XG.2004.16	22.30	Die	sel Range Organics	ND	mg / Kg	1	25		10-29-04	16-29-
Sample: Matrix:	SDNMG21 C	**************************************			Collocted: 10-1	9-04 15:12:0	20 By:	MB			
QC Group	Run Sequ	ience CA	8.#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-21,	4	SWS	46 50358/80158	GRO by GCAFID				By:	TRS		
(341402	XG 2004.19	13.15	Gase	line Range Organica	ND:	mg / Kg	1	0,25		10-29-04	16-29-0
0410577-21, K041414	4 XG 2004.11	SW84 24.5	46 80158 Diese Die	l Range Organics t sel Range Organics	ny GC/FID ND	.mg / Kg	1	By:	MDE	11-01-04	11-01-
Samala	CO1440-33		· · · · · · · · · · · · · · · · · · ·		Collected 19.2	0.04 8 78 0/	) Ře	á.49			Luci creni en egi
Matrix ,	C										
OC Groub	Run Sequ	ience CA	<b>S #</b>	Analyte	Result	Unlis	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-52	4	SW8	46 50358/8015E	GRO by GC/FID				By	TRS		
X044402	XG.2004.11	115.16	Gase	line Range Organics	; ND	mg / Kg	• • • • • • • • • • • • • • • • • • •	0.25	: :	10-29-04	10-294
0410577-22 xc41414	A XG.2004.11	SW8	46 89158 Diese Die	el Range Organics t sel Range Organics	ND	mg / Kg	< <b>1</b>	By: 25	MDE.	11-01-84	t2-01.j
Sample: Matrix:	SDNMG23 C				Collected: 10-2	0-04 9:38:00	) By:	MS		'	
QC Group	Run Seq	zence CA	<b>S</b> #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
\$648577.**		Cis/B	68 Engedinaart				. ,	Rur	TRS		
v= 10377-23, X041402	* XG.2004.19	113.17	vo əurəbrəv 155 Gası	bine Range Organics	s ND	mg / Kg	*	0.25	41100	10-23-04	10-25-0
Prov 6 6t 1	ŕ		SOLC	number Reports	1 1 0410200836XX			Report Dal	is 11/2	2/2004 5.:	33.55 F

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	RIMO 140											
Orden	0410577	ENV	03 (	Receipt:	10-26-04							
Sample	SDNMG23		y		·	Collected: 1	0-20-04 9:38:0	10 By:	MB			
Matrix	C											
•••••	U	cii × 1	· · · · · · · · · · · · · · · · · · ·						······	·	······	
QC Group	Run Seq	Jence	CAS #		Analyte	Result	t Units	Dilution Factor	Limit	Code	Prep Date	Date
0410577-23	IA		SW846 801!	58 Diesel	Range Organic	s by GC/FID			By:	MDE		
X041414	XG.2004.1	924.10		Dics	sl Range Organii	es NO	i mg / Kg		25		11-01-04	11-01-0
Sample:	SDNMG24					Collected: 1	0-20-04 11:20	:00 By:	MB			
Matrix	с											
					haanaan ahaa ka k			Dilution	Detection	a na kana na kalanci i Na dangana	Pren	สินต่
0C Grown	Bun Sun	14000	CáSit	a	Analyta	Resul	t Units	Factor	Limit	Code	Date	Date
ac aroup	for sed	861106	1		ter:	ter en forme de la c						
0410577-24	ia		SW846 5035	SB/8015B	GRO by GC/FID	>		1	By	TRS		·
X043402	XG.2004.1	913,18		Gasoli	ne Range Organ	iićs <u>ND</u>	mg / Kg		0.25		3D-29-04	10-29-0
0410577-24	іÄ.		SW846 801	SB Diesel	Range Organic	s by GC/FID			By:	MDE		
X041414	XG.2004.1	924.11	The second se	Dieś	al Range Organi	cs ND	mg / Kg	1	25		11-91-04	11-02-0
Samola .	enuucos				· · · · · · · · · · · · · · · · · · ·	Collected: 1	0-20-04 13:30	00 8v:	146 146			
Lánteir	GDINNIGZU											
	C.		· · •• · • • • • • • • • • • • • • • •						······································			
								Dilution	Detection		Prep	Run
QC Group	Run Seq	uence	CAS Ø		Analyte	Result	L Units	Factor	Limit	Code	Uate	Date
0410577-25	ăA		SW846 503:	5B/8015B	GRO by GC/FIC	>			B ₇ :	TRS		
XC4 1402	XG.2004.1	913.10		Gasoli	ne Range Organ	nics ND	mg / Kg	\$	0.25		10-28-04	10-29-0
0410577-25	iA		SW846 801:	56 Diesel	Range Organic	s by GC/FID			Ву	MDE		
X041414	XG.2004.1	924, 12		Dies	si Range Organlı	cs ND	mg / Kg	*	25		11-01-04	11.05-0
		anna reacas	and the second		ananadesti piilee 24	Collowiani, a	A 66 64 48 66	-00 Bro			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Sample:	SDNMG26					Conected; 1	0-20-04 35.00	.00 ay: .	MB			
Matrix	C											A - 0.5.5.0.000 YO
								Dilution	Detection		Prep	Run
DC Group	Run Seq	uence	CAS #		Analyte	Result	t Units	Factor	Limit	Code	Oate	Date
	**		CHARAC BASI	EB/00488	686				Re	TPS		
x041402	/A XG 2004.1	113.20	0110-000	Gasol	ne Range Orgar	nics ND	mg / Kg	1	0.25		tio-29-04	10-29-0-
					<b>O O</b>					A COST		
			511640-8015	Diper	Nange Organic N Ranne Organic		ma / Ka		25		11-01-04	11-01-0
0410577-26 X041414	а ХG 2004-1	24.13				and the second		······	the strength of the			
0410577-26 X041414	ж XG.2004.1	924 13			3.4.302000 3ds // common common com	What for a second s			2.20			
0410577-26 K041414 Sample:	xG.2004.1 SDNMG27	924 13	••••••••••••••••••••••••••••••••••••••	а. с	Ster MMMer aductioner von , on ook op oor	Collected: 1	0-21-04 7:30	20 By:	MB			
0410577-26 ((41414 Sample: Matrix:	xG.2004.1 SDNMG27 C	924 15	د د د د د د د د د د د د د د د د د د د	н	(he.)99996: Mariane	Collected: 1	0-21-04 7:30 (	X) By: .	MB			
0410577-26 X(41414 Sample: Matrix:	xG.2004.1 SDNMG27 C	924 1S		п., <u>2</u> 969	(347)999999 2012(2000)9999-, 44400, 4970 	Collected: 1	0-21-04 7:30 (	Oilution	Detection		Dran	Puin
9410577-26 Kitalala Sample: Metrix:	XG.2004.1 SDNMG27 C	924.13 	••••••••••••••••••••••••••••••••••••••	п., учбля	Anahuta	Collectéd: 1	0-21-04 7:30(	Dilution	Detection	Code	Prop	Run Date
0410577-26 X(41414 Sample: Matrix: 20 Grosep	XG.2004.1 SDNMG27 C Run Seq	uence	CAS #	пул учбяў	Analyte	Collected 1	0-21-04 7:30(	Dilution Factor	Detection Limit	Code	Prop Date	Run Date
0410577-26 X041414 Sample: Matrix: QC Grossp 0410577-27	XG.2004.1 SDNMG27 C Run Seq	924.13 	CAS #	58/60158	Analyte GRO by GC/FIC	Collected: 1 Result	0-21-04 7:30:(	Dilution Factor	Detection Limit By:	Code TRS	Prop Date	Run Date
9410577-26 xici 1414 Sample: Matrix: 2C Grosip 2410577-27 xisi 1402	XG.2004.1 SDNMG27 C Run Seq XG.2864.1	924.13 	CAS # SW846 503:	58/60158 Gasol	Analyte GRO by GC/FiD rd Range Organ	Collected: 1 Result 3 3cs ND	0-21-04 7:30() t Units mg / Kg	Dilution Factor	Extection Limit By: 0.25	Code	Prop Date	Run Date 10-29-0

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	NMG 148											
Order:	0410577	ENV	03	Receipt;	10-26-04							
Sample:	SDNMG22				, y lanaa a Garan a	Collected: 10-	21-04 7:30:0	0 By:	M8		annapan ni salara	
Matrix:	<u>с</u>											
			n				····,· •····					<b>**</b>
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0410577-2	7A		SW846 801	SB Diesel	Range Organics	by GC/FID			By:	MDE		
X041414	XG.200	4.1924.16	(	Dies	sl Range Organica	s ND	mg / Kg		25		11-01-04	11-01-0
Sample:	SONIACO	1			and the second	Collected: 10-	21-04 9:12:01	) By: /	MB			
Mabrix:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•										
· · · · · · · · · · · · · · · · · · ·	<b>~~</b> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			······								
								Dilution	Detection		Prep	Run
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor		CODE	LX85E	Date
0410577-2	8A		SW846 503	5B/8015B	GRO by GC/FID				8y:	TRS		
X041402	XG.200	4.1915.22		Gasof	ine Range Organi	os NO	mg / Kg	: <b>.1</b>	0.25		10-29-04	10-29-0
0410577.2	RA		SWRAE 801	SR Dissel	Range Organics	by GCIFID			₿¥≎	MDE		
X04 14 14	XG.200	(. 1924, 17		Dies	el Range Organic	, NO	mg / Kg	XX	25		11-91-04	11-01-0
				······	·····	300000 ·····		0.0 0.000				. ·
Sample:	SDNMG29	1				Collected: 10-	21-04 30:41:1	no RA: 1	ME			
Matrix:	¢		ang ang the state of the					antata ayaahayaa				
								Dilution	Detection		Prep	Run
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
									D ₁₀	THE		
U480377*23 X841402	88. XG 200	4 1013 23	244848 203	Stara015E	GRO by GUIFID	né NN	mo / Ko		0.25	11/6	10-29-04	10-29-0
			·		ne vange organi			,				
0410577-21 X041414	BA VC 100	4 4004 18	SW846 801	5B Diesel	Range Organics	by GC/FID	- mailka	*	оў. 25	MDE	\$1-01-04	11-01-0
ALM 11() 14	XG.200	*, I D 2 94, HO		Dies	a Range Organica	s	1.0000					
Sample:	\$DNMG30	)				Cottected: 10-	21-04 12:45	00 By: .	MB	- <b>2000 22 22 2</b> 2 2000 2000	67   51.1 W 11/08000	~
Matrix	¢											
								Philip and an an	Matantina	••••		£74.1m
AC Group	Data C		C10 4		A in which a	Daguit	i teriitez	Factor	Limit	Code	Ргер Пага	Date
	nut a	nen ome			Polacyce	Church and a second sec		( Elector)	1	·********		
0410577-3	A0		SW846 503	5B/9015B	GRO by GC/FID		*****	ور مع محمد من مع	By	TRS		
XC41402	XG.200	4,1913.24		Gasol	ine Range Organi	cs ND	( mg./ Kg	l	0.25		10-29-04	10-29-0
	ňá		SW846 801	5B Diesel	Range Organics	by GC/FID			By:	MDE		
0410577-3	νņ.		· ····································	Dies	el Range Organicr	s NO	mg /.Kg	<u>[</u> . 1	25		71-01-04	11-01-0
0410577-3 X041414	×0 X.0.200	4.1924.19	personal qui i anno anno	Per ry			1				فينتقه فدرجادة	ia nichiad Merere
0410577-3  x041414 Semale:	X0.200	4.1924.19	197997, S	**************************************		Collected th	21.04 13.37	10 Rv: 1	MB			
0410577-3 x041414 Sample:	xā.200 \$DNMG31	4.1924.19 [		**************************************		Collected: 10-	21.04 (3.33)	00 By: 1	MB			
0410577-3 x041414 Sample: Màtrix:	x0.200 \$DNMG31 C	4.1924.19 [	eesemenen on offing dragestee 	5 ···· ·		Collected: 10-	21-04 13 33	00 By: 1	MB			
0410577-3 x041414 Sample: Mätrix:	xa 200 \$DNMG31 C	4.1924.19 [	2000	*************************************		Collected: 18-	21-04 (3:33)	00 By: 1	M8 Detection		Prep	Run
0410577-3 x041414 Sample: Mätrix: QC Grossp	xā 200 SDNMG31 C Run S	4.1924.19 [ equence	۲۳۲ ۲۳۳ ۲۳۳ ۲۳۳ ۲۳۳ ۲۳۳ ۲۳۳ ۲۳۳ ۲۳۳ ۲۳۳	€	Analyte	Collected: 10- Result	21-04 (3:33) Units	00 By: Dilution Factor	MB Detection Limit	Code	Prep Date	Run Date
0410577-3 x041414 Sample: Mätrix: QC Group	xa.200 \$DNMG31 C Run S	4.1924.19 [ equence	CAS #	**************************************		Collected: fd- Result	21-04 (3:33) Units	00 By: 1 Dilution Factor	M8 Detection Limit	Code	Prep Date	Run Date
0410577-30 x041414 Sample: Mätrix: QC Grossp 0410577-3 K045405	xa.200 SDNMG31 C Run S 14 xa.200	4.1924.19 f equence 4.1921.6	CAS #	59/8015B	Analyte GRO by GC/FID ine Bance Omaria	Collected: fd Result	21-04 (3-33) Units	00 By: 1 Dilution Factor	MB Detection Limit By: 0.5	Code TRIS	Prep Date	Run Date 10-30-0

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Prevent	CINVIN MINO	440 (')irined	.19 I ML	- F 1- 64+3 f 1	****									
Order:	04105	140 77	ENV	)3	Receipt.	10-26-04								
Sample:	SDNN	1031				22.72 °. 275 932394 99994 44.44 44	Collect	sd: 10-2	1-04 13:33:0	10 By: 1	WB	Yana 100 Yana 1000		
Mahix	C													
QC Group	R	un Sequ	ience	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prop Date	Run Date
0410577-31	4			SW846 80	158. Diese	I Rance Organic	s by GC/FiD				By:	MDE		
X041414	XI	G,2004.19	24,20		Die	sel Range Organio	35	ND	mg / Kg	1	25		13-01-04	11-01-0
Sample:	SDNN	IG32				*******	Çollect	ed: 10-2	1-04 14:55:0	10 By: 1	NB			
Matsix:	Ċ													
QC Group	R	un Séqu	NETICO	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0440677.33	۶4			SWARE 50	35R/8016F	GRO IN GOIFIO	ł				By:	TRS		
X041406	X	G:2004:19	21.8		Gaso	line Range Organ	ics	ND	mg / Kg	1	0.5		18-30-04	10-30-0
0410677-32	24			SW846 50	168 Diese	el Rance Organic	s by GC/FiC				By:	MDE		
XD41414	X	G.2004. 19	24.21		Die	sel Range Organie	3	ND	mg / Kg	1	25		11-01-04	11-01-0
Sampie: Matrix:	SDNN C	1G33					Collect	ed: 10-2	2-04 8:00:00	) By: ,	<b>WB</b>	uu uudaaan ee ee	······································	
QC Group	R	un Sequ	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
			• • • • • • • • • •			0001.0000			n da ya shi na s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Bu	TRC		
0410577-33 K041406	ia Xi	G 2004 19	21.10	SW046 00	Gase	s GRU by GUPID	lics	ND	ma / Ka	1	0,5		10-30-64	0-06-01
0110577 22	5 <i>8</i> .			C16/040 00	eco nien.		- Hu COICIP		uninen en The territoria		ton maininte Bur	MOF		
X841414	sn Xi	0.2004.19	24.22		Die	sel Range Organik	3	ND	mg / Kg	1	25		11-01-64	\$\$×01-0
·	~~~~~			ana an a an a			(* albane		2 11 1 10.15.1	N Ekc				
Seinpe.	SUNN	IG34					009604	057 <i>11</i> 7-6	6-9 <b>-</b> 4 10. 10/9	io by: i	*****			
IVIGLELA.	C						.ta.X189.990.000.000 00			******	·····			
QC Group		un Seq:	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-34	la			SW846 50	35B/8015E	GRO by GCAFIC	•				By:	TRS		
K041406	X	G.2004.19	21.51	Ļ.,	Gasi	oline Range Organ	lics	ND	mg / Kg	and an	0.5		10-30-04	1 10-50-0
0410577-34	IA.			SW846 80	158 Dies	el Range Organic	s by GC/FIL				By:	MDE		
X041414	X	G.2004.15	24,23	L	Die	sel Range Organie	*	ND	mg / Kġ	• •	25	6.838. 7. a.a.	11-01-04	31-01-0
Sample: Mal <i>i</i> ix	SDNN C	1G35	ner forst bere before				Collect	ed: 10-2	2-04 11:30:0	Ю Ву.	W3			
QC Group	R	un Sequ	ience	CAS #	····	Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-35 X041405	SA XI	Ġ.2004.10	21.12	SW846 50	358/80158 Gase	GRO by GC/FIC time Range Organ	ica	ND	mg / Kġ	1	By: 0.5	TRS	10-30-04	10-30-0

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Glient: Project:	ENVIE	RONMENTA 148	L PLUS, II	VC.								
Order:	04105	140 177 ENV	'03	Receipt	10-26-04							
Sample: Matrix:	SDNN C	(G35				Collected: 1	10-22-04 11:30	:00 By:	MB			
QC Group		lun Sequence	CAS #		Analyte	Rosul	t Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410377-35 X041414	A X	G.2004 1924 24	SW846 801	58 Dissel Diese	Range Organic el Range Organic	s by GC/FID cs ND	mg / Kg	: 1	By: 25	MDE	11-01-04	11:01-C
Şarrışılı: Mətrix	SDNA	1G36				Collected: 1	10-22-04 13:40	:00 By:	W8	18.95		
OC Group	С в		CAS #	95 m - 18 2000	Analyte		i Units	Dilution Factor	Detection	Code	Prep Date	Run Date
0410577-36	A	aas ang sarara	SW846 503	58/60158	GRO by GC/FID	) 			Byt	TRS		
x041405 0410577-36	X	G 2004.1921.13	SW846 601	Gasol 58 Diesel	ine Range Organ Range Organic	s by GC/FID	mg / Kg	1	0.5 By:	MDE	10-30-04	10-30-0
X041414	X	G 2004 1924 25		Dies	el Range Orĝank	cs 51	mg / Kg	1	25		11-01-04	11-01-0
Sample: Matrix:	SDNA C	1G37				Collected	····22··/4 14:30	.uu by:				
QC Group	R	un Sequence	CAS #	·	Analyte	Resul	t Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-37 X041412	A. X	G 2004.1935.8	SW846 503	SB/60168 Gasol	GRO by GC/FID ine Range Organ	) sics ND	mg / Kg	1	By: 0.5	TRS	11-02-04	11-02-0
0410577-37 X041414	A X	G 2004 1924 28	SW846 801	58 Diesel Diese	Range Organic el Range Organic	s by GC/FiD ⇔ ND	mg / Ko	1	By: 25	MDE	11-01-04	61-01-0
Sample.	SDNN	1G38			a gaaan Taan da ah	Collected:	10-22-04 15:15	:00 By:	Ma Ma			
Matrix:	C	,					18.4.7.400.1.1	Dilution	Detection	e one can a constant a	Prep	Run
QC Group 0410577-38	A R	lun Sequence	CAS # SW846 50:	58/60158	GRO by GC/FID	)	t Units	Pacior	Estint By:	TRS	Crare	1968
X041412 0410577-38	X	G 2004.1933.11	SW846 801	Gasol	ine Range Organ Range Organic	s by GC/FID	mg / Kg	1	0.5 By:	MDE	11-02-04	11-02-0
X041414	X	G 2004.1924.29		Dies	el Rønge Organik	cs <u>ND</u>	ng / Kg	1 <b></b>	25		11-01-04	11-01-6
Sample: Matrix	SDNA C	/G39 NSWC	*		••••••••••••••••••••••••••••••••••••••	Collected	10-22-04 15:20	100 By:	MAB		q <b>aa</b> aaa	
QC Group	F	tun Sequence	CAS#	ee.	Analyte	Resu	ll Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Daie
0410677-39 X041412	A X	G.2004.1953.12	SW846 50:	SB/8015B Gasol	GRO by GC/FID ine Range Organ	) NCs ND	mq / Kg	·	By: 0.5	TRS	11-02-04	11-02-0
•• ·· · · · ·				<u> </u>		4 4 244200000	· · · · · · · · · · · · · · · · · · ·		Renort Cal	ha 112	2004.5	11-56 PA

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Project: Order:	NM 041	IG 148 10577 ENV	03 P	leceipt:	10-26-04							
Sample:	SD	NMG39 NSWC	······		an a	Collected 10-2	2-04 15:201	20 By: /	AB .	~		
Matrix:	С								· · · · · · · · · · · · · · · · · · ·	. Januar		
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prop Date	Run Date
1440ETT-36	Б.А		SWARIE BOIS	9 Dises	Paince Oceanics h	N GC/FID			Bv.	MDE		
041414		XG.2004.1924.30		Dies	el Range Organics	ND	mg / Kg	1	25	in nanistaan '	11-01-04	11-82-0
Sarriple: Matrix:	SD C	NMG40 ESWC	**********		1001111	Collected: 10-2	2-04 15:253	хо Ву; Л	19	gggador of the region		
QC Group		Run Sequence	CAS #	:	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0410577-40 K041412	<b>A</b>	XG 2004.1903.13	SW846 5035	8/60158 Gaso	GRO by GC/FID line Range Organics	ND	mg / Kg	1	By: 0.5	TRS	11-02-04	11-82-0
0410577-40 X041414	0 <b>A</b>	XG.2004.1824.31	SW846 8015	B Diese Dies	l Range Organics b el Range Organics	y GC/FID ND	mg / Kg	1	By: 25	MĎE	11-01-04	11(02)0
0410577-40 x041414 Samplo: Matrix:	SD C	XG.2004.1824.31 NMG41 SSWC	SW846 8015	9 Diese Dies	1 Range Organics b el Range Organics	y GC/FID ND Collected: 10-2	mg / Kg 2-04 15:30 t	1 X7 By: A	By: 25 48	MDE	11-01-04	11(02.0
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Sample: SDNMG10250443	У., жаралада т		Collected: 70-26	5-04 7.30.0	) By: /	/8		1	· · · · •
grapex C			, m						
QC Group Run Sequence	CAS #	Analyte	Result	Units.	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0411146-01A X041417 X05 2004 1985 7	SW646 5035B/6015	8 GRO by GC/FID	ND	inn / Ko	1	By: 0.5	TRS	11.09.64	11-09-04
0411146-01A X03-2804-1968-8	SW846 8015B. Die	sel Range Organics by eset Range Organics	SC/FID ND	mg / Kg	,	Юу: 25	MDE	11-11-04	11/11-04
Sample: SDNMG10250444		nan sama na sama na sa	Collected: 10-24	5-04 8:38:0	) By; /	MB .			
Matrix: C	·	an Yaya yandaajadhaa - '							
QC Group Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0411146-02A X041437 X03.2004.1905.10	SW646 5035B/8015 Ga	B GRO by GC/FID sobno Range Organica	ND	mg / Kg	1	Ву: 0.5	TRS	: 1-09-04	11-05-04
0411146-02A	SW846 80158 Die	el Range Organics by	GC/FID	mini í Kri	1	By:	MDE	\$1,13,04	11-11-04
			And the second sec				······		
Sample SDNMG10250445 Matrix C			10-23 10-23	-04 8:40:0	n på: v	w0			
QC Group Run Sequence	CAS #	Analyte	Result	Units	Oilution Factor	Oetection Limit	Code	Prep Date	Run Date
0411146-03A	SW846 5035B/801	B GRO by GC/FID				Êy.	TRS		
x(41407 X(3.2064.1886.5)	GB	solina Renga Organics	ND	mg / Kg	1 1 1	0.5		11-09-04	11-09-04

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3C Graup	Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Oate	Dalo
¥11146-03/	۹.	SW846 8015B	Jiesel Range Organics by	GC/FID			By:	MOE		
0041461	Çi. anıt xooloox		Diesei Range Organica	ND	mg / Kg	1	25	l	11-11-04	11.114
sample:	SDNMG10250446			Collected 70-2	5-04 11:24	X0 By: 6		.n: or vbu-redgey;		
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1C Group	Run Sequence	CAS #	Analyle	Result	Onte	ractor	8., 858 J×8	1.009	in all the	1.341.14
411146-04.	۵.	SW846 5036B/8	015B GRO by GC/FID				By:	TRS		
0041437	XG.2004.1986.12		Gasoline Range Organics	ND	mg-/ Kg	1	0.5		11-09-04	11-09-4
1411146-04.	٩	SW846 8015B	Jiesel Range Organics by	GC/FID			By:	MOE		
(041461	XG.2004.1996.21		Diesel Range Organics	ND	mg / Kg	. 1	25	× .	18-11-04	11.11.
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Sampla:	SDNMG10250447			Collected 10-3	25-04 13.16:0	20 By: 1	8N			
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C Group	Run Sectionce	CAS #	Analyle	Result	Units	Factor	Limit	Code	Date	Date
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1411146-Q5/	<b>۵</b>	SW846 5035B/8	015B GRO by GC/FID		,		By:	TRS	44 00 01	
1041437	XG.2004,1985.13		Gasoline Range Organics	(IX	mg / Kg	<u> </u>	U,3	8,,,	ورسلانه ۱۱	11-1201
X11146-05	۹.	SW846 8016B	Diesel Range Organics by	GC/FID			By;	MDE		
(041481	XG.2004.1998.12	1	Diesel Range Organics	ND	mg i Kg	1	25		11-11-04	11-11-4
Someta:	00.11140040020440			Collected: 703	?R.Ad 18-A9-1	10 Rv 1				
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2C Group 3411146-06.	C Run Sequence A XG 2004 1985 14	CAS #	Analyte 015B GRO by GC/FID Gasoline Range Omanics	Result	Units mg/Kg	Dilution Factor	Detection Limit Ry: 0.5	Code	Prep Date	Ruñ Date
DC Group N411146-06. (041437	C Run Sequence A XG 2004 1985.14	CAS #	Analyte 015B GRO by GC/FID Gesoline Range Organics	Result	Units	Dilution Factor	Detection Limit Ry: 0,5	Code	Prep Date 11-09-04	Ruñ Date 11-054
DC Group Na11146-06/ Na1437 Na1437	C Run Sequence A xG.2004 1935.14 A	CAS # SW846 5035B/6 SW846 8015B [	Analyte 015B GRO by GC/FID Gasoline Range Organics Diesel Range Organics by	Result	Units	Dilution Factor	Detection Limit 0.5 Dy:	Code TRŞ MDE	Prep Date 11-09-04	Ruñ Date 11.004
2C Group 3411146-06. 3341437 3411146-06. 3361481	C Run Sequence 4 xG.2004 1985.14 A xG.2004 1998.15	CAS # SW646 5035B/8 SW646 8015B (	Analyte 015B GRO by GC/FID Gasoline Range Organics Diesel Range Organics by Diesel Range Organics	Result ND ( GC/FLD ND	Units   mg / Kg   mg / Kg	Dilution Factor	Detection Limit 0.5 By: 25	Code TRŞ MDE	Prep Date 11-09-04	Ruñ Date 11-004
DC Group N414146-060 N41437 N411146-060 N361461 Samplan	C Run Sequence A xG 2004 1985 14 A xG 2004 1986 15 SDNMG 10260449	CAS # \$W646 5035B/8 \$W646 8015B [	Analyte 015B GRO by GC/FID Gasoline Range Organics Diesel Range Organics by Diesel Range Organics	Result ND (GC/FID ND Collected: 10-3	Units   mg / Kg   mg / Kg 26-04 8:20 00	Dilution Factor	Detection Limit 0.5 Øy: 25 WØ	Code TRŞ MDE	Prep Date 11-09-04 13-11-04	Ruñ Date 11.004
DC Group Na11146-06, 1041437 Na1146-06, 1061461 Samplan Samplan Matrix:	C Run Sequence A XG 2004 1935 14 A XG 2004 1995 15 SDNMG10260449 C	CAS # \$W\$46 5035B/5 \$W\$46 8015B [	Analyte 915B GRO by GC/FID Gasoline Range Organics Diesel Range Organics by Diesel Range Organics	Result ND (GC/FtD ND Collected: 10-2	Units   mg / Kg   mg / Kg 26-04 8:20:0:	Dilution Factor 1 1 2 By: (	Detection Limit 0.5 By: 25	Code TRS MDE	Prep Date 11-09-04 17-11-04	Ruñ Date 11-09-/ 11-11-
DC Group 3411146-06, 0341437 3411146-06, 0301461 Samplan Matrix:	C Run Sequence A XG 2004 1935 14 A XG 2004 1995 15 SDNMG 10260449 C	CAS # \$₩846 5035B/8 \$₩846 8015B [	Analyte 015B GRO by GC/FID Gasoline Range Organics Diesel Range Organics by Diesel Range Organics	Result ND (GC/FtD ND Collected: 10-2	Units   mg / Kg   mg / Kg 26-04 8:20:0:	Dilution Factor 1 1 2 By: (	Detection Limit 0.5 By: 25 MB	Code TRS MDE	Prep Date 11-09-04	Ruñ Date 11-09-
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Projeca: Order:	DUKE ENE 0411146	RGY N FNVI	MG 148 13	Receipt:	11-05-04							
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Sample:	SDNMG102	260449				Collected: 70-2	6-04 8:20;00	φ¥.	ms			
Matrix	С.						·	',		v, t.itt.		
OC Group	Run See	lisence	CAS#		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0411148-07	3		SWRAE 80	158 Diese	l Ranne Ornanics b	w GC/FID			8v.	MDE		
XE41461	XG 2004	1998,76		Die:	el Range Organics	NO	mg / Kg	\$	26	]	11-11-04	11-11-06
Sample:	SDNMG102	60450	in the second	Suburrik e		Collociad: 10-2	6-04 9:33:00	) Øy:	ME	ф. и	- 1-0000000 - 00000000000000	
1468611X. · ·								······				
QC Group	Run Sör	mance	CAS #	· . e · e w · ·	Anslyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0411146-08 X841437	A XG.2004.	1985.17	SW846 50	358/30158 Gaso	GRO by GC/FID	NO	mg / Kg		Βγ: 0.5	TRS	11-09-04	11-09-04
0411146-08	A		SW846 80	15B Diese	l Range Organics t	W GCIFIÓ			By:	MDE		
X041461	XG. 2004.	1998.17	······································	Dies	sel Rangé Organics	NO	-mg / Kg	1	25	]	11:11:04	11.1.0
Sample	SDNMG102	160451			<ol> <li>Alter and particular approximation of the second sec</li></ol>	Collected: 10-2	6-04 11:21:0	90 By:	MB	· · · ··		
Matrix:	С											
								Dilution	Detection		Prep	Run
QC Group	Run See	juence	CAS #		Analytø	Result	Units	Factor	Limit	Code	Date	Date
0411146-09	A		SW846 50	359/80158	GRO by GC/FID	transfer and the second se		yanna a san a	By:	TRS		
8043437	XG.2004.	1985.18		Gaso	line Range Organics	NO NO	mg / Kg		0.5	, 	11-09-04	11-09-04
0411146-09	A		SW846 80	15B Diese	Range Organics t	w GC/FID			Βγ:	MDE	** ** **	** ** **
X641491	XG.2004.	1998.18		Lyet	sal Range Organics	. NŲ	_ mg r Kg		· 25		11+11×D4	. 1[-11-04
Sample:	SDNMG10;	260452				Collected: 10-2	6-04 13:10.0	10 By:	мв		~~~~~	
Matrix:	С							•	c. mc			
QC Group	Run See	puence	CAS #		Analyle	Resutt	Units	Dilution Factor	Detection	Code	Prep Date	Run Date
0411146-10	A		SW846 50	35B/3015B	GRO by GC/FID				By:	TRS		
8041437	XG, 2004.	1985.19		Gase	lline Range Organic:	ND ND	mg / Kg	1	0.5		11-09-04	1143-04
0411146-10	IA		SW646 80	15B Diese	I Range Organics t	y GC/FID		ç	By:	MOE		
1811208	XG 2664	1998.19		Die	sel Range Organics	ND	mg / Kg	· · · · · · · · · · · · · · · · · · ·	25	L	11-11-04	11-11-0-
Sample:	SDNMG102	260453	"Styleste" od owned for g			Collected: 10-2	6-64 14:31.0	X) By:	648 8			
Mətrix:	C				17 1111-1-121. god (1995) g goon (1, 177, 171, 171, 171, 171, 171, 171,							<b></b>
GC Group	Run Se	quence	CAS#		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Dale
0411546-11	A		SW846 50	35B/8015E	I GRO by GCIFID				Bv:	TRS		
XU41437	XG 2004	1985.20		Gase	xine Rangé Organic	ND	] mg / Kg	: <b>1</b>	0.5		\$ 1×08×04	17-08-04
tundant ta minta video de la compañía												
Page 3 of 1	9			SQLC	oyota: Réports	1. 1.0411031209XX			Ropórt Da	0 11/12/	2004 11:	30:44 AM

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Orden	0411146	ENV	03	Receipt.	11-05-04							
Gample:	SDNMG	10260453			11 11 11 11 11 11 11 11 11 11 11 11 11	Collected: 10-3	26-04 T4 31-0	20 By: (	Mê	<i></i>		
Matrix	С											
		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -				······································	····· ·	Dilution	Detection		Preo	Run
QC Group	Run	Sequence	CAS#		Analyto	Result	Units	Factor	Limit	Code	Date	Date
041146.11	۵		RWRLE SO	15R Diese	i Ranne Ormanica b	w GC/FID			By:	MDE		
XQ4:461	r xg à	034.1998.30		Dies	el Range Organics	ND	mg i Kg	· *	25	··· · ···	11-11-04	11-11-0
			······			Colladarly 19.1	27.01 7.35.00	5 Sec. 1		jana se		
Sampæ.	SUNMG	10270454				Latraciulium tana		, say	¥7840			
1871 (\$1171 K.)	L.	···· strandormer - v								······	a na na ^{na s} istere eg	
		<i></i>	<b></b>			Desult	Linder	Dilution	Detection	Carla	Prep	Run
QC Group	Run	Sequence	CAS #		Analyte	Resurt	Qnas	ractor		~000	Date	Locstw.
0411146-12	A		SW846 50	35 <b>8/8015</b> 8	GRO by GC/FID		in and the second second		By:	TRS		
X041437	XCI.2	004.1985.21	÷	Gaso	lino Range Organica	<u>NO</u>	mg (Kg	<b>\$</b> 284-200-1-1	0.5		11-09-04	11-09-0
0411146-12	A		SW846 80	158 Diese	I Range Organics L	w ocrfib			87	MOE		
X041464	-KG,Z	034, 1999, 8		Dier	el Range Organics	ND ND	mg / Kg	1	25		11-11-04	11-11-0
Sample:	SDNMG	10270455		itaaaa aaab		Collected; 10-3	27-04 8:37:0	D By:	MB	······································		
Maltix	C.											
••		hðannar v						in the second			· · · ·	·····
00 0000	13.14	Sannanea	C 4 5 #		6001010	Result	Units	Factor	Limit	Code	Prep Date	in Nate
ac alogh	15483	ocqueine		- 2012200 - 11	·····							
0411146-13	iA 		SW846 50	358/80158	GRO by GC/FID		and a star		By:	TRS	11.00.04	14 80:0
x043427	8,63 2	104.1985.23		Usano Line	nue wange Organica		11191110		<u>v.</u> 3		11428-04	11-03-0
0411146-13	а 		SW846 80	158 Diese	A Rango Organics t	y GC/FID	ninininini a s	· · · · · · · · · · · · · · · · · · ·	By:	MOE	11.51.M	11.31.0
X04 (484	862	134.1299.8		Une	iei kange organica		nig i Ng				11.1	6 8 8 ° 5 8 ° 0
Sample	SDNMG	10270456				Collected: f0-3	27-04 9:50:01	) By: .	MB			
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QC Group	Run	Sequence	CAS#		Analyte	Result	Units	Factor	Limit	Code	Date	Date
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0411146-14 X041437	A 80.2	04 1985 23	SW846 50	35530158 Gase	I GRO by GC/FiD	ND	mn / Ka		0.5	1150	11-09-04	11-00-0
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6411146-14 XN41484	ід ХС-2	102 1000.10	5W846 8L	Die Diese	il Kange Organics i se: Ronce Organics	ND ND	me / Ke	1	25 CY2	PARTAT:	11-11-04	11.114
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Sample:	SDNMG	10270457	-			Collected: 10-	27-04 11:44)	00 By:	MB			
Mətrix:	C					,	NUMBER OF CONSISTENCE					
								Dilution	Detection		Prep	Run
CC Group	Run	Sequence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
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1	*		CLAPRING # 0 000	1 7 K 1 2 2 8 8 7 7 K 5 1	5 9 X 49 X PUID X				2207			
0411146-15 X041437	ia Xg.2	304,1585.24	SW846 50	Gaw	i GRO by GOPIO	ND	ma / Kri		0.5	ina T	11-08-04	11-65-0

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Client: Project:	ENVIRONMENTA DUKE ENERGY N	L PLUS, INC. MG 148							
Order:	0411146 ENV	/03 Receipt:	11-05-04						
Sample: Matrix:	SDNMG10270457 C			Collectod: 10-2	7-04 11:44:0	X2 Ву; ∧		······································	
GC Group	Run Sequence	CAS#	Analyto	Result	Units	Dilution Factor	Detection Limit Co	Prep de Date	Run Date
0411146-1! X041484	6A XG. 2004, 1999, 11	SW845 80158 Dies	el Range Organics by Isol Range Organics	GC/FID ND	mg / Kg		By: N 25	IDE 	-04 11-11-04
Sample. Matrix	SDNMG10270458 C	8		Collecter: 10-2	7-04 13:20 (	20 Ву: Л	йБ		
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit Co	Prep de Date	Run Date
0411146-11 XD41439	6A XG,2004.1979.7	SW846 50358/8016	3 GRO by GC/FID olitie Range Organics	ND	mg ( Kg	1	By: 1	RS 11-00	-04 \1-00-04
0411146-11 Xoataba	5A X0.2004,1998.12	SW846 8015B Dies	el Range Organics by sel Range Organics	GC/FID ND	mġ / Kg		By: N 25	IDE 11-11	-04 \$1-11-04
Sampte; Mətrix:	SDNMG10270459 C	·	ina iléa Millitim ain a Buaia basana ana ana ana ana ana ana ana ana an	Collacted: 10-2	7-04 15:00 (	0,9 By: A			
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Oilution Factor	Detection Limit Co	Prep de Data	n Run Date
0411146-1; XD41439	7 <b>A</b> XG:2004.1979.10	SW848 50358/8015	B GRO by GC/FID come Range Organics	NO	mġ / Kg	<u> </u>	By: 1	TRS 11-08	-84 11-08-04
0411146-1: X041464	7A XQ.2004, 1999, 13	SW846 80158 Dies	el Range Organics by seel Range Organics	GC/FID NO	mg / Kg	1	By: N 25	10E 11-11	.84 (1-11-04
Sample: Matrix	SDNMG10280460 C	2	ganganan dipana ang ang ang ang ang ang ang ang ang	Collected: 10-2	8-04 8.04.01	) Ву: И	VB		
OC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit Co	Prep de Date	e Run Date
<b>0411146-1</b> 1 XB43439	8A XG.2084.1978.11	SW846 5035E/8015 Ges	B GRO by GC/FID oline Range Organics	NO	∫ mg í Kg	1	By: 0.5	irits 11-84	-04 11-56-04
0411146-11 x0414/34	8A XG.2864.1998.16	SW846.8015B Dies	el Rango Organics by ssel Range Organics	SC/FID ND	mg ( Kg	1	By N 25	©E , 11-11	-04 11-11-04
Sample Matrix:	SDNMG1028046 C			Collected: 70-7	8-049-11:0	0 By: J			x
QC Group	Run Sequence	CAS #	Analyta	Result	Units	Dilution Factor	Detection Limit Co	Prep Ide Date	Run Date
0411146-1 X041439	9A XG.2004.1976_12	SW846 5035B/8015	B GRO by GC/FiD office Range Organics	ND	; mg / Kg	; *	0.5	IRS 11-38	LC4 11-08-04
Page 6 of	8	SOI	Corole: Recons 1.1	6411031200XX			Report Date 1	1/12/2004 1	11:30:44 AM

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Sample SD	VMG10280461				Collected: 10-2	9-04 9:11:0X	9 89: 1	MB			
Matrix C											
· · · · · · · · · · · · · · · · · · ·			······				Dilution	Detection		Pren	สินท
QC Group	Run Sequence	CAS#		Analyte	Result	Units	Factor	Limit	Codø	Cate	Date
NARAAAD ADA	200 C 0 C 0 C 0 C	C16/04/C 20		( Baera Oreanies	w ac/FIA			By:	MDE		
0431340×18A X041484	XG,2004.1999-17		Dies	el Range Organics	ND	mg í Kg		25	y	11-11-04	11-11-0
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Semple: SD.	VMG10280462				1,00mcdett. 10-2	anter strates	ne ag i	445			
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_				<b>.</b>	Pro weid	f dan Satar	Dilution	Detection	Cartin	Prep	Run
QC Group	Run Sequence	GAS #		Anatyte	Result	Orista-	racior	4,,,,,,,,,,,	0000	<b>U</b> ate	- Oald
0411146-20A		SW846 50	358/50158	GRO by GC/FID			3	By:	TRS		
X04:439	XG.2004.1979.13		Gaso	line Rånge Organiz	13 ND	mg í Kg	1 1	9.5		11-02-04	11-08-5
0411146-20A		SW846 80	15B Diese	I Range Organics	by GC/FID			By:	NOE	** ** 84	1 web web 25
X041464	XQ.2304.1990:16		Oea	ct Range Organics		ang i Ng	\$ 	. 20 		()") ()"(")	1 11-11-1-1-1-1
Sample: SD	NMG10280463	· · · · · · · · · · · · · · · · · · ·			Collected: 10-2	8-04 11-50.0	00 Əy: J	MB			Annun 11 An
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···. ·································	a source i source is the source of the sourc	· · ·					Dilution	Detection		Prop	Run
QC Group	Run Sequence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Oate	Date
644446 316		SWRAG 50	35R/8015B	GRO IN GORIO				BY:	TRS		
X)41439	XG 2004 1972 14		Gaso	line Ranga Organia	;s ND	mg i Kg	4	0,5	1	11-08-02	11-08-0
0411146-21A		ŚW846 80	16B Diese	I Range Organics	by GC/FID			By:	MDE		
2041464	XG:2004.1999.19		Dies	sel Range Organics	ND	mg / Kg	1	26		11-11-04	4 11-73-D
Samela CO	NARCADIROAEA	oran, assessment of a second		· · ·	Collected 30-2	8-04 13:451	00 By:	M3			
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0411146-22A	X-0 4000 4000 45	SW846 50	35B/8015B	GRO by GC/FID	- Ko	innin E Ken	\$ <b>1</b>	By:	TRS	13.88.04	6 15-06-0
8941498	X9,2004.1819.10	j - s ts programski tre	6880	alle Range Organi		109139	* * * 	3 <b>5</b> 3.500	ة	2.1 <b></b> .	· • • • • • •
0411148-22A	XC 2004 1009 56	SW846 80	158 Diese	A Range Organics	by GC/FID	i na 7.Ka	: 1	E32 1 25	MUSE	\$1-1%Q	d i1-:1-C
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Sample: SD	NMG10280465	ž.			Céllecies: 10-2	9-04 15:203	00 By:	MG			
Matox: C							. •		ing and a second		
							Dilution	Detection		Prep	Run
QC Group	Run Sequence	CAS#		Analyte	Result	Units	Factor	Limit	Code	Date	Date
		SW846 50	35B/8015B	GRO by GC/FID				By:	TRS		
0411148-23A		- Wald of the state of the state									

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Client   Project	ENVIRONMENTA DUKE ENERGY M	L PLUS, INC. IMG 148								
Order. (	0411146 ENV	03 Reo	ept 11-05-04							
Sample:	SDNMG10280465		ana an anna a' 2000 Saortain an a' an anna	Collected: 10-2	8-04 15:20:0	0 By: 1	MB			
Matrix: (	C									
				•		Dilution	Detection		Prep	Run
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Factor	L imit	Code	Date	Date
0411146-23/	Ą	SW846 8015B	Diesel Range Organics I	y GC/FID			By:	MÓE		
X043464	XG.2004.1999.21		Diesel Range Organics	ND	mg i Kg	1	25		11-11-04	11-12-34
Sample	SDNMG10290466	, ,,		Collected: 10-2	0-04 7:58:00	By: I	MB	···· · ··· · · ·		
Matrix	с									
••••••••••••••••					<b>.</b>	Dilution	Detectión		Preb	Run
QC Group	Run Seguence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
		DIAM IN FORTON					But	TRS		
0411148-24/ X041439	A. XG 2004, 1979, 18	544846 5035Elic	Gasoline Range Organics	s ND	: mg / Kg	1	0.5	1 5 5 6	15-05-04	11-05-04
0.41114dK741	ô	SWEES ROISE	Diesel Ranne Ormanics I	w GC/FID	alian ni jaannin	- Marina da	8v:	MDE		
X041464	XG 2004.1999.22		Diese Range Organics	ND	mg?Kg	1	25		11-11-04	11-12-04
Same	CDM804030048	· · · · · · · · · · · · · · · · · · ·	2006.27/11.11.11.11.11.11.11.11.11.11.11.11.11.	Collected: 76-2	5-049-31:00	By: I	MB		an a stan din ne ak	
bainpar.	5DNWG10290401 C			100,000 Kind Market Star 40.		· · · · · ·				
	<b>~</b>					mr. 1				Desve
QC Group	Run Seónence	CAS #	Analyto	Result	Units	Factor	Limit	Code	Date	Date
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0411146-25/ X041439	A XG.2804.1879.19	SW846 5035B/2	Gasoline Range Organic	s ND	mg / Ka	1	ыу. 0,5	1 PGD	11-08-04	11-08-04
A	*	Civore onteo	Niecol Paggo Őrganics I	w còrn		L	in en	MOE		
X041454	* XG.2004.1999.23		Oksel Range Organics	ND	mg / Kg	1	25		15-11-Ö4	11-12-04
Consta	PRIMA ANDA AN	· · · · · · · · · · · · · · · · · · ·	a se	Collected 10.2	0.01 11 187	Xî Rw	0.4R			_e
Bangae.	SDNMG10290468 C	ŝ		10-10-10-10-10-10-10-10-10-10-10-10-10-1	00000 1000000	·w •org, ·	4 % 4 <b>6</b> % 5			
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60 Group	Due Casuanas	~** #	á na kvite	Secult	theits	Dilution	Detection	Code	Prep Dute	Run Date
den tel cenh	sents marinan	1							y , y ⁴ , y ¹	del esta de
0411146-25	A XO 2004 4070 28	SW846 5035B/(	015B GRO by GC/FID	e ND	: ma / Ka	1	By:	TRS	11-08-64	11-08-04
								kane	`	
0411145-26 X041454	A XG.2004.1690.24	500845 60150	Diesel Range Organics	ND ND	mg / Kg	. <b>1</b>		1932.1CC.	11.11.00	1-12-64
		1		Andrew States	and and a set of the set		* 25'7			
Sampe:	SDNMG1029046!	<i>}</i>		LANCORU, 10-2	læ⊷kr¥ rt.læxt	N DY.	1910D			
(#31) LX:	C		······································	·····						
			5 <b>.</b>	Prese la	1 8 Sam	Dilution	Detection	(Cara) a	Prep	Ram
QC Group	Run Sequence	CAS#	Analyte	Resul	UNITS	ración	E ANTIE	-C008	Dall¢	Gaue
0411146-27	A	SW846 50358/	1015B GRO by GC/FID			· · ·	By:	TRS		
X041439	XG.2004. \979.21	·	Gesoline Range Organic	s ND	mgt í Kg		<u>0.5</u>		73-08 <del>8-</del> 84	13-88-CH
S	1		001 Cassiter Parhety	1 1 64110310000			Bannat Pari	10. 44787W		Weak All
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Client:	EN	VIRONME	ENTAI	L PLUS, II	NC.									
Project:	DUI	KE ENER	GYN	MG 148										
Criter	041	1146	ENV	03	Receipt:	11-05-04								
Sample:	SD	NMG1029	0469				Collo	cted: 70-	29-04 11.55:0	X0 By: (	MB			
Matrix:	С						N. 1							
	~~~~									Oilution	Detection		Prep	Run
QC Group	•	Run Seqi	ience	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0411146-2	7A			SW846 801	15B Diese	al Range Organics b	y GC/F	D			By:	MOE		
X04 1464		XG.2064.18	199,25		Die	sel Rance Organics		ND	mg / Kg		25	, ,	11-11-04	11-12-04
Sample: Matrix:	SD	NMG1029	0470				Colle	cted: 70-	29-64 13:20 (M By: i	MØ		. competition	
								1. (/w		Rozzitaw			D: 12
QC Group	,	Run Sequ	ience	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0411146-2	8A			SW846 50	35B/8015E	GRO by GC/FID	- ;···ir		S	· · · · · · · · · · · · · · · · · · ·	By:	TRS	15 00 01	** 500,000
X041437		XG.2004.11	165.25	- 	Gase	oline Range Organics		ND	mg / Kg		¥.5	[i	ા રેન્પશ્ચન કર	11-02-64
0411146-2 X041404	8A	XG-2004,18	199.28	SWB46 80*	158 Diese Dic	al Rangé Organics b sel Range Organics	y GC/F		mg / Kg	1	By: 25	MDE	13-11-04	11:12-04
Sample:	SD	NMG1101	10471				Colle	cted; 11-	01-04 9:41:0) By:	M9			
Matrix:	С													
					a k en municipitisien es le	a contraction of the second of				Dilution	Detection		Prep	Run
QC Group	1	Run Seqi	Jence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0411146-2	9A			SW848 50:	35B/80156	3 GRO by GC/FID					By:	TRS		
X041439		XG.2004.11	979 23		Gase	sline Range Organics		NÜ	mg/Kg	1	0.5		11-00-04	11-08-04
0411146-2	9A			SW846 80	15B Diese	el Range Órganics b	y GC/F	ID			By:	MDE		
-XQ41484		XG,2004.11	XF 29	1 	Die	sel Range Organics	c	ND	mg / Kg	1	25		11.11.04	11:12-04
Sample:	SD	NMG1101	10472				Colle	cted: 17-	01-04 10.49	20 By:	Me			
Matrix:	C									•				
										Dilution	Detection		Prep	Run
QC Group)	Run Sequ	leuçe	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0411146-3	0A			SW846 50	35B/6015E	S GRO by GC/FID					By:	TRS		
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Assaigal Analytical Laboratories, Inc.

Certificate of Analysis

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NMG-148C RELEASE SOIL REMEDIATION CLOSURE DOCUMENTATION December 2004

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NEW MEXICO STATE LAND OFFICE Ray B. Powell, Commissioner of Public Lands New Mexico State Land Office Building P.O. Box 1148, Santa Fe, NM 87504-1148

RIGHT OF ENTRY PERMIT CONTRACT NO. 707

1. RIGHT OF ENTRY PERMIT

This permit is hereby issued under the authority established by Section 19-1-2 NMSA (1985).

Therefore, and in consideration of and subject to the terms, covenants, conditions, agreements, obligations and reservations contained in the permit and all other existing rights, the Commissioner of Public Lands, New Mexico State Land Office, State of New Mexico, hereinafter called "COMMISSIONER," grants to Duke Energy Field Services c/o Environmental Plus, Inc. of PO Box 1558, Eunice, NM 88231 hereinafter called "PERMITTEE," authorized use of a specific tract(s) of state trust land described in this permit.

2. TERM AND LAND DESCRIPTION

Right of entry is granted for a term of 3 months commencing December 18, 2002 to March 18, 2003 to the following state lands: NE4SW4 of Section 16, Township 19 South, Range 37 East.

3. FEE.

\$300.00 (Three Hundred Dollars)

4. PERMITTED USE

Permitted use is for the purpose of: Delineate and characterize the extent pipeline fluid contamination and excavate soil for remediation purposes, i.e., off-site disposal, mechanically shred/aerate, land spread, blend and treat the released pipeline fluids. An undetermined number of ground water observation monitor wells will be installed. <u>The granting of this permit does not allow access across private lands.</u>

5. IMPROVEMENTS

No improvements shall be placed on the premises without the prior written consent of the Commissioner.

6. RESERVATIONS

Commissioner reserves the right to execute permits on the land granted by this permit for mining purposes and for the extraction of oil, gas, salt, geothermal resources, and other mineral deposits therefrom and the right to go upon, explore for, mine, remove and self same. Commissioner further reserves the right to sell or dispose of natural surface products of said lands and to grant such other right-of-way and easements as provided for by law.

7. COMPLIANCE WITH LAWS

Permittee shall at its own expense comply fully with and be subject to all regulations, rules, ordinances, and requirements of the Commissioner including, but not limited to the Cultural Properties Act, NMSA 1978 as amended. It is illegal for any person or his agent to appropriate, excavate, injure, or destroy any historic, or prehistoric ruin or monument, or any object of historical, archaeological, architectural, or scientific value situated on lands owned or controlled by the State Land Office without a valid permit issued by the Cultural Properties Review Committee and approved by the Commissioner of Public Lands.

8. HOLD HARMLESS

Permittee shall have, save, and hold harmless, indemnify and defend Commissioner and the State of New Mexico, and their agent or agents, in their official and individual capacities, of and from any and all liability claims, losses, or damages arising out of or alleged to arise out of or indirectly connected with the operations of Permittee under this permit off or on the Commissioner's premises or arising out of the presence on the Commissioner's premises of any agent, contractor or subcontractor of Permittee.

9. AMENDMENT

This permit shall not be altered, changed or amended except by an instrument in writing executed by Commissioner and Permittee.

10. WITHDRAWAL

Commissioner reserves the right to withdraw any or all of the land authorized for use under this permit. If applicable, Permittee shall vacate the acreage specified within 30 days after receipt of written notification of withdrawal from the Commissioner.

11. CANCELLATION

The violation by Permittee of any of the terms, conditions or covenants of this permit or the nonpayment by Permittee of the fees due under this permit shall at the option of the Commissioner be considered a default and shall cause the cancellation of this permit 30 days after Permittee has been sent written notice of such.

12. PRESERVE AND PROTECT

The Permittee agrees to preserve and protect the natural environmental conditions of the land encompassed in this permit, and to take those reelamation or corrective actions that are accepted soil and water conservation practices and that are deemed necessary by the Commissioner to protect the land from pollution, erosion, or other environmental degradation,

13. RECLAMATION

The Permittee agrees to reclaim those areas that may be damaged by activities conducted thereon.

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14. SPECIAL INSTRUCTIONS AND OR RESTRICTIONS

1. No off road traffic allowed

2. No wood collection or tree cutting allowed.

3. Disturbing, dislodging, damaging, defacing, destroying or removing historical archaeological, paleontological or cultural sites or artifacts is prohibited.

4. Disturbing, dislodging, damaging, defacing, destroying any improvement. fixture, item, object or thing placed or located in, under or upon the land is prohibited.

5. Entries to lands are limited to those State Lands with public access.

6. Any other activities not listed are not allowed unless prior written approval from the Commissioner of Public Lands is granted.

WITNESS the hands and seals of PERMITTEE and COMMISSIONER on the day and year first above written.

Telephone: 505 394 3 PERMITTEE

ACKNOWLEDGMENT

STATE OF NEW MEXICO

COUNTY OF <u>Lea</u>;

The foregoing instrument was acknowledged before me this $\frac{27^{2}}{2000}$ day of $\frac{2000}{2000}$

My Commission Expires: 8 21 30

NOTARY

COMMISSIONER OF F (IBL**K**

Closure Proposal Approval Letter - October 7, 2004

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Gatering Juanum Prokup Calizet Servicey Lori Wratenbery Director Oil Contervation Division

October 7, 2004

Mr. Stephen Weathers Duke Energy Field Services, Inc. 370 17th St., Suite 900 Denver, Colorado 80202

RE: NMG-148C PIPELINE RELEASE SITE ELDRIDGE RANCH ABATEMENT PLAN AP-33 MONUMENT, NEW MEXICO

Dear Mr. Weathers:

The New Mexico Oil Conservation Division (OCD) has reviewed the following Duke Energy Field Services' (Duke) February 25, 2004 "SOIL REMEDIATION STATUS AND CLOSURE PROPOSAL, NMG-148C PIPELINE RELEASE, LEA COUNTY, NEW MEXICO (UNIT N, SECTION 16, T19S R37E)" and accompanying January 2004 "NMG-148C RELEASE SITE, SOIL REMEDIATION STATUS AND CLOSURE PROPOSAL." These documents contain Duke's proposal for the remediation of soils and closure of the excavation at the NMG-148C Pipeline Release Site located at the north end of the Eldridge Ranch Abatement Plan (AP-33) Site.

The above-referenced proposal is approved with the following conditions:

- Duke shall obtain a composite sample from each 200 yards of backfill to demonstrate that the soils have been remediated to OCD soil guidance levels. The samples shall be analyzed for concentrations of BTEX (benzene, toluene, ethylbenzene and xylene) and total petroleum hydrocarbons (TPH) using EPA approved methods and quality assurance/quality control (QA/QC) procedures. A field PID reading of less than 100 ppm of organic vapor may be substituted for a laboratory measurement of BTEX.
- Only soils that meet the OCD's recommended soil remediation levels shall be placed back in the excavation.

Cill Conservation Division * 1220 South S. Prancis Drive * Santa Fe, New Maniso 87505 Photo: (505) 476-3440 * Fak (505) 476-3462 * <u>http://www.amard.state.on.us</u>

- 3. Upon completion of the excavation activities, Duke shall install a ground water monitoring well directly adjacent to and downgradient of the excavated area to demonstrate that ground water in the source area has been remediated to New Mexico Water Quality Control Commission (WQCC) ground water standards.
- 4. The monitor well shall be installed and developed in accordance with OCD's prior investigation work plan approval.
- 5. No less than 24 hours after well development, ground water from the newly installed monitor well shall be purged, sampled and analyzed for concentrations of BTEX and polynuclear aromatic hydrocarbons using EPA approved methods and QA/QC procedures.
- 6. In order to provide a point in time snapshot of overall ground water conditions throughout the site, water quality sampling of the newly installed wells shall be coordinated to coincide with a sampling event of all previously installed monitoring wells.
- All wastes generated shall be disposed of at an OCD approved facility or in an OCD approved manner.
- 8. A comprehensive report containing the results of all remediation and investigation activities shall be submitted to the OCD Santa Fe Office by December 31, 2004 with a copy provided to the OCD Hobbs District Office. The report shall contain:
 - a. A comprehensive description and summary of the results of all past and present soil and ground water investigation, remediation and monitoring activities.
 - b. A site map showing the location of pipelines, excavations, spills, monitoring wells, recovery wells, and any other pertinent site features.
 - c. Summary tables of all past and present soil and ground water quality sampling results including copies of all recent laboratory analytical data sheets and associated QA/QC data.
 - d. The disposition of all wastes generated.
- 9. Duke shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

Please be advised that OCD approval does not relieve Duke of responsibility if the plan fails to adequately remediate and investigate the extent of contamination related to Duke's activities, or if contamination exists which is outside the scope of the plan. In addition, OCD approval does not relieve Duke of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,

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Original signed by William C. Olson

William C. Olson Hydrologist Environmental Bureau

cc: Chris Williams, OCD Hobbs District Office
 Frank Eldridge
 Gene Samberson, Heidel, Samberson, Newell, Cox & McMahon
 Robert G. McCorkle, Rodey, Dickason, Sloan, Akin & Robb

Final form C-141

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