1R - 334

REPORTS

DATE:

6/04 GROUNDWATER

Remediacon Incorporated
Geological and Engineering Services
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PO Box 302, Evergreen, Colorado 80437
Telephone: 303.674.4370
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June 29, 2004

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

Re: June 2004 Quarterly Groundwater Monitoring Summary for the NMG-148C Release, Lea County New Mexico
(Unit N, Section 16, Township 19 South Range 37 East)

Dear Mr. Weathers:

This letter summarizes the results of the June 2004 quarterly groundwater monitoring episode that was completed at the NMG-148C release site. The site is located approximately 2 miles north and 0.75 miles east of Monument in Lea County (Figure 1). The affected source materials at this location were removed by Environmental Plus Incorporated (EPI) in January and February 2003. The excavation remains open pending New Mexico Oil Conservation Division approval of the site closure plan. The excavation is fenced, and the original pipeline has been removed.

There are three monitoring wells on the site (Figure 2). Well NMG MW-1 was destroyed during the site remediation activities. Well NMG MW-3 is upgradient (north) of the affected area. Well NMG MW-2 is located in the drainage south of the excavation. Well NMG MW-4 is located directly beneath a leak that was located in the NMG-148C pipeline in January 2003.

WELL GAUGING, DEVELOPMENT AND SAMPLING

Wells NMG MW-2, NMG MW-3 and NMG MW-4 were purged and sampled on June 21, 2004. Sampling was completed in the following fashion:

1. The depth to water in the three wells was measured;
2. The saturated water column data was used to calculate each well's casing volume;
3. The wells were then purged using disposable bailers for a minimum of three casing volumes and until the field parameters of temperature, pH and conductivity equilibrated;
4. Samples were collected upon equilibration using the disposable bailer; and
5. The samples were placed in an ice-filled cooler immediately after collection.
6. A duplicate sample was collected from well NMG MW-2.
7. The samples remained in the cooler until they were delivered directly to Environmental Labs of Texas in Midland Texas for analysis for benzene, toluene, ethylbenzene and xylenes (BTEX). The well development forms and laboratory report are included as Attachment A.

One grab sample was also collected from the southeast corner of the excavation to evaluate attenuation. No odors or sheen were noted.

The June 2004 and the historical water-table elevations are summarized in Table 2. The data shows that groundwater has a southerly flow component because the heads decline southward from MW-3 to MW-2 and then to MW-4.

Hydrographs for the three wells are included in Figure 3. The hydrographs indicate that the prolonged precipitation in April 2004 resulted in a rise in the groundwater levels in all three wells since measurements began in February 2003.

The BTEX concentrations are summarized in Table 3. The BTEX concentrations from the three monitoring wells were all below the 0.001 mg/l method detection limits. Toluene and ethylbenzene were not detected in the excavation sample. The benzene and xylenes concentrations continued to decline between March and June 2004. All four BTEX constituents are now below their respective drinking water standards.

The next quarterly monitoring episode will be completed in September 2004. Thank you for allowing me to complete this work. Do not hesitate to contact me if you have any questions or comments on this report.

Respectfully Submitted,
REMEDIACON INCORPORATED

Michael H. Stewart

Michael H. Stewart, P.E.
Principal Engineer

TABLES

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

All units are feet
MW-1 destroyed during remediation in Jan/Feb 2003

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

Well	2/7/03	6/2/03	9/23/03	12/15/03	3/22/04	6/21/04
NMG MW-2	3,617.05	3,617.00	3,616.93	3,616.89	3,616.84	3,618.06
NMG MW-3	3,620.02	3,619.99	3,619.94	3,619.94	3,619.89	3,620.43
NMG MW-4	3,615.77	3,615.71	3,615.64	3,615.57	3,615.52	3,616.34

All units are feet

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

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Excavation	2/14/03	4.25/4.46	3.15/3.01	1.63/1.54	0.463/0.436
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
NMG MW-2	12/17/02	<0.001	<0.001	<0.001	<0.001
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-3	2/7/03	<0.001	<0.001	<0.001	<0.001
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-4	2/7/03	<0.001	<0.001	<0.001	<0.001
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

All units mg/l

FIGURES

Figure 2 – NMG-148C Release Site Layout and Well Locations

NMG-148C RELEASE SITE

Duke Energy Field Services

DRAWN BY: MHS

DATE: 10/03

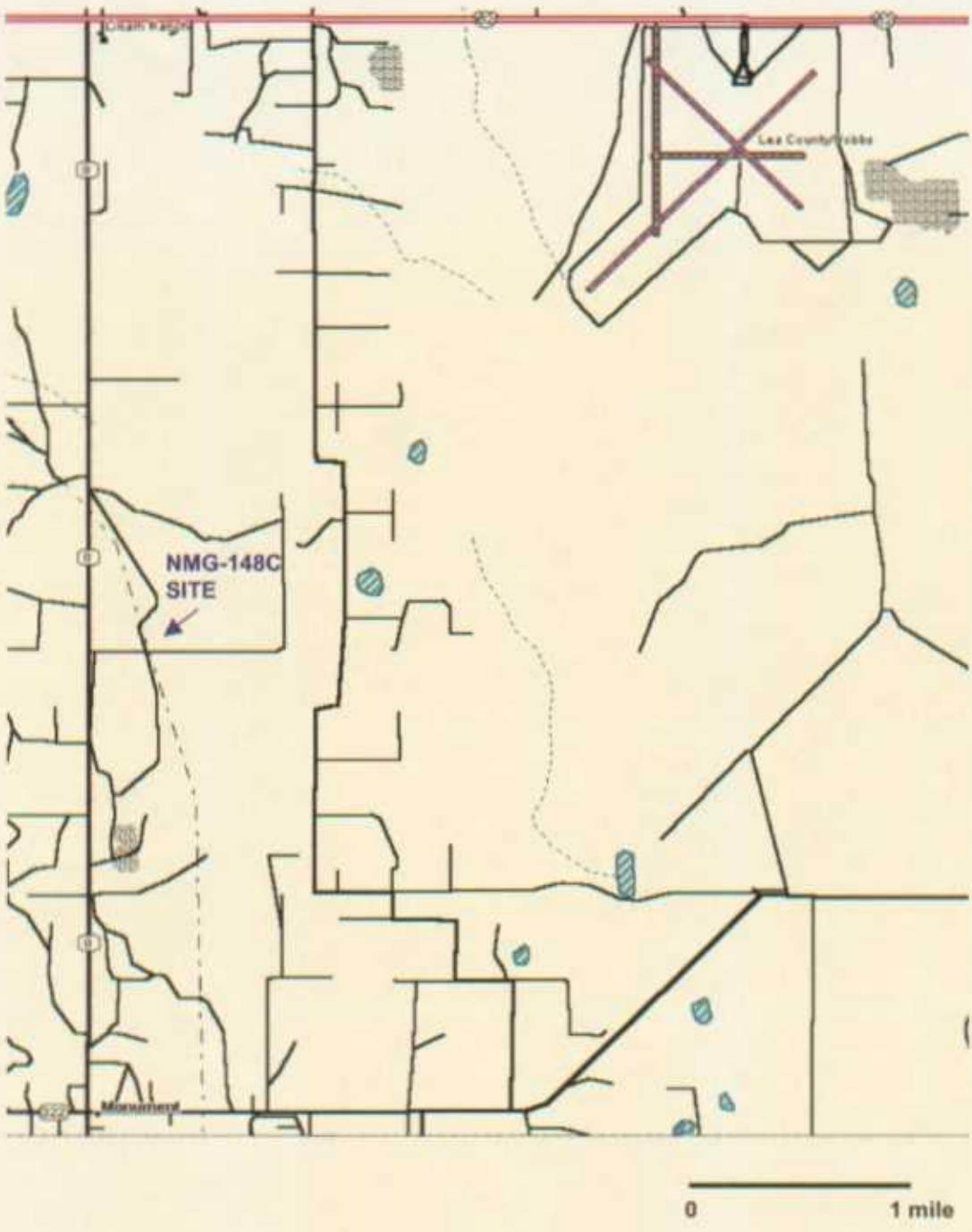

Figure 1 – Site Location Map
NMG-148C RELEASE SITE

Duke Energy Field Services

DRAWN BY: MHS	
REVISED:	
DATE: 10/03	

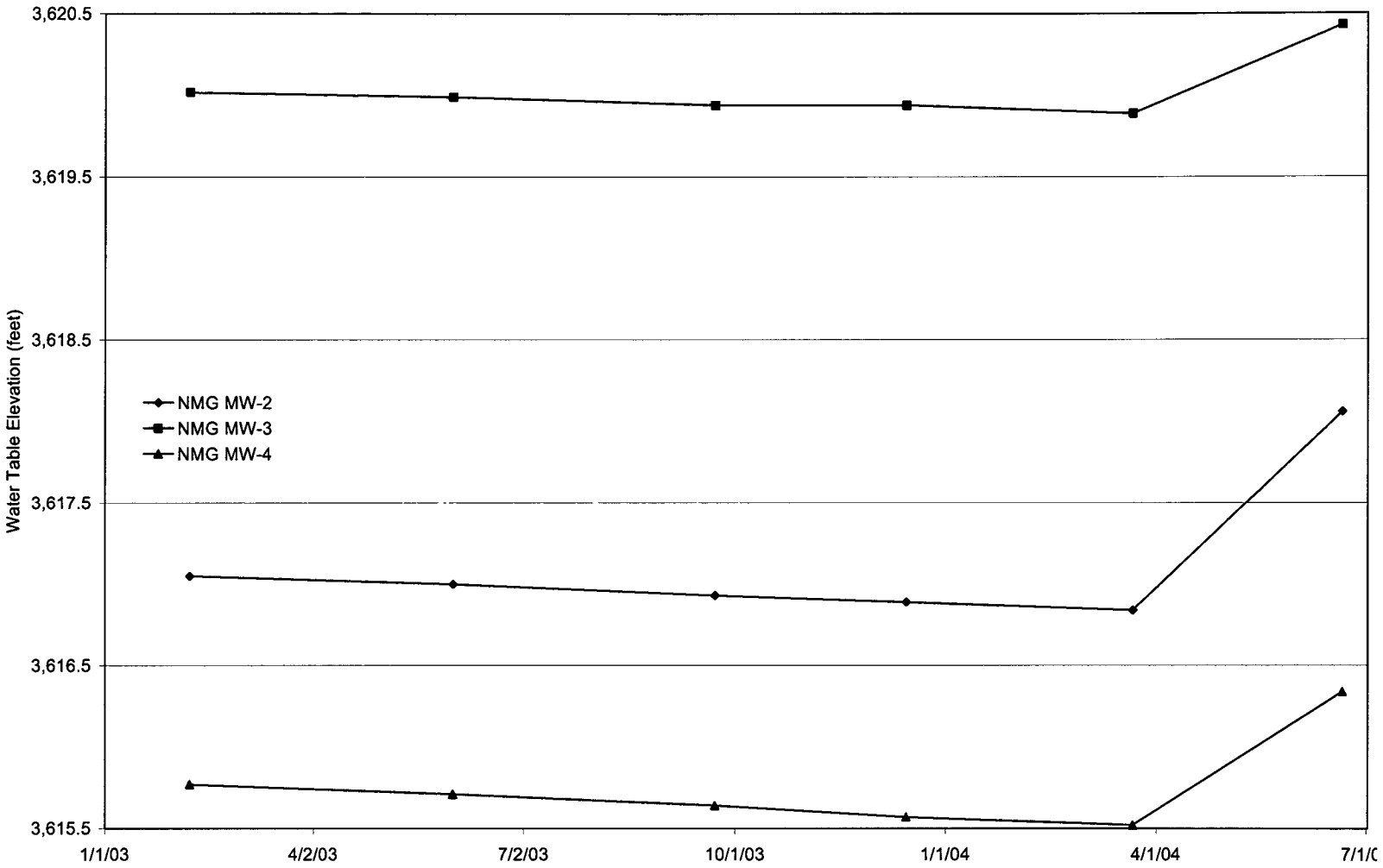

Figure 3 – NMG-148C Monitoring Well Hydrographs

NMG-148C RELEASE SITE

Duke Energy Field Services

DRAWN BY: MHS

DATE: 10/03

ATTACHMENT A

JUNE 2004 SAMPLING FORMS AND ANALYTICAL RESULTS

WELL PURGE & SAMPLE DATA FORM

CLIENT: Duke Energy Field Services
WELL ID: **MW-2**
SITE NAME: NMG-148C
DATE: 6/21/2004
PROJECT NO.
SAMPLER: M. STEWART

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE PURGING & SAMPLING THE WELL:
☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 37.75 Feet
DEPTH TO WATER: 28.84 Feet
HEIGHT OF WATER COLUMN: 8.91 Feet
WELL DIAMETER: 2.0 Inch

4.4 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO ppm	Turb	PHYSICAL APPEARANCE AND REMARKS
	2	74.1	0.53	7.46			
	4	72.3	0.53	7.42			
	6	71.4	0.52	7.46			Clear, no odor
:Total Time (hr:min)			:Total Vol (gal)			**6**	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.:
ANALYSES: BTEX (8021-B)
COMMENTS: Sample collected at 1340, duplicate sample collected

WELL PURGE & SAMPLE DATA FORM

CLIENT: Duke Energy Field Services
WELL ID: **MW-3**
SITE NAME: NMG-148C
DATE: 6/21/2004
PROJECT NO. _____
SAMPLER: M. STEWART

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE PURGING & SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 39.40 Feet
DEPTH TO WATER: 29.37 Feet
HEIGHT OF WATER COLUMN: 10.03 Feet
WELL DIAMETER: 2.0 Inch

4.9 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2	70.8	0.60	7.36			
	4	69.5	0.58	7.39			
	6	69.5	0.59	7.36			Clear, no odor
:Total Time (hr:min)			:Total Vol (gal)			**6**	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.: _____

ANALYSES: BTEX (8021-B)

COMMENTS: Sample collected at 1305

WELL PURGE & SAMPLE DATA FORM

CLIENT: Duke Energy Field Services
WELL ID: **MW-4**
SITE NAME: NMG-148C
DATE: 6/21/2004
PROJECT NO.
SAMPLER: M. STEWART

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE PURGING & SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 37.92 Feet
DEPTH TO WATER: 29.74 Feet
HEIGHT OF WATER COLUMN: 8.18 Feet
WELL DIAMETER: 2.0 Inch

4.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2	77.0	0.58	7.48			
	4	72.6	0.56	7.44			
	6	71.6	0.56	7.45			Clear, no odor
:Total Time (hr:min)			:Total Vol (gal)			**6**	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.:
ANALYSES: BTEX (8021-B)
COMMENTS: Sample collected at 1330

WELL PURGE & SAMPLE DATA FORM

CLIENT: Duke Energy Field Services
WELL ID: **Excavation**
SITE NAME: NMG-148C
DATE: 6/21/2004
PROJECT NO. _____
SAMPLER: M. STEWART

PURGING METHOD: ☐ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE PURGING & SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: _____ Feet
DEPTH TO WATER: _____ Feet
HEIGHT OF WATER COLUMN: 0.00 Feet
WELL DIAMETER: 2.0 Inch

0.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	0	87.5	0.19	7.96			green (algae) color, no odor
:Total Time (hr:min)			:Total Vol (gal)			**0**	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.:
ANALYSES: BTEX (8021-B)
COMMENTS: Sample collected at 1240

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

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: 4F23001

Report Date: 06/28/04

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	06/28/04 12:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SE Corner of Excavation	4F23001-01	Water	06/21/04 12:40	06/22/04 16:30
MW-3	4F23001-02	Water	06/21/04 13:05	06/22/04 16:30
MW-4	4F23001-03	Water	06/21/04 13:30	06/22/04 16:30
MW-2	4F23001-04	Water	06/21/04 13:40	06/22/04 16:30
Duplicate	4F23001-05	Water	06/21/04 13:45	06/22/04 16:30
Trip Blank	4F23001-06	Water	06/21/04 00:00	06/22/04 16:30

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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	06/28/04 12:22

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SE Corner of Excavation (4F23001-01) Water									
Benzene	**0.000457]**	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.000659]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	
MW-3 (4F23001-02) Water									
Benzene	ND	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	
MW-4 (4F23001-03) Water									
Benzene	ND	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
MW-2 (4F23001-04) Water									
Benzene	ND	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*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	06/28/04 12:22

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Duplicate (4F23001-05) Water									
Benzene	ND	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
Trip Blank (4F23001-06) Water									
Benzene	ND	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*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	06/28/04 12:22

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42508 - EPA 5030C (GC)										
Blank (EF42508-BLK1)				Prepared & Analyzed: 06/25/04						
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	*24.0*		*ug/l*	*20.0*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*17.7*		"	*20.0*		*88.5*	*80-120*			
LCS (EF42508-BS1)				Prepared & Analyzed: 06/25/04						
Benzene	91.2		ug/l	100		91.2	80-120			
Toluene	100		"	100		100	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	218		"	200		109	80-120			
Xylene (o)	96.5		"	100		96.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*22.4*		"	*20.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.8*		"	*20.0*		*109*	*80-120*			
Calibration Check (EF42508-CCV1)				Prepared & Analyzed: 06/25/04						
Benzene	95.0		ug/l	100		95.0	80-120			
Toluene	104		"	100		104	80-120			
Ethylbenzene	108		"	100		108	80-120			
Xylene (p/m)	221		"	200		110	80-120			
Xylene (o)	102		"	100		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.5*		"	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.8*		"	*20.0*		*114*	*80-120*			
Duplicate (EF42508-DUP1)	**Source: 4F23002-14**			Prepared & Analyzed: 06/25/04						
Benzene	3.71	0.0100	mg/L		3.40			8.72	20	
Toluene	1.36	0.0100	"		1.23			10.0	20	
Ethylbenzene	0.0803	0.0100	"		0.0732			9.25	20	
Xylene (p/m)	0.120	0.0100	"		0.111			7.79	20	
Xylene (o)	0.0402	0.0100	"		0.0394			2.01	20	
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/l*	*20.0*		*224*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*20.7*		"	*20.0*		*104*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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	06/28/04 12:22

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 6-28-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Michael H. Stewart
Company Name: Remediacon, Inc.
Company Address: P. O. Box 302
City/State/Zip: Evergreen, Colorado 80437
Telephone No: (303) 674-4370
Fax No: (720) 528-8132
Sampler Signature: D. T. [signature]

Project Name: DEFS - NMG-148C (4" Line)
Project #:
Project Loc: Lea County, New Mexico
PO #:

HF23001

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For (TOTAL: / TCLP:): TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX (8021B/5030) or BTEX 8260 (X)	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
-01	SE Corner of Excavation	6/21/04	1240	2	✓		✓					✓											✓				
-02	MW-3	6/21/04	1305	2	✓		✓					✓											✓				
-03	MW-4	6/21/04	1330	2	✓		✓					✓											✓				
-04	MW-2	6/21/04	1340	2	✓		✓					✓											✓				
-05	Duplicate	6/21/04	1345	2	✓		✓					✓											✓				
-06	Trip Blank	6/21/04	—	2	✓		✓					✓											✓				

40ml glass

Special Instructions: Send fax copy of lab report to Michael Stewart, sent original lab report and invoice to Stephen Weathers, Duke Energy Field Services, 303 17th Street, Suite 2500, Denver, CO 80202

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
0.5 °C

Relinquished by:	Date	Time	Received by:	Date	Time
D. T. [signature]	6/21/04	4:30			
Relinquished by:	Date	Time	Received by ELOT: [signature]	6-22-04	1030