

Oil Conservation District
1301 W Grand
Artesia, NM 88210

MAR 13 2008
OCD-ARTESIA

Attention Ron Harvey
Inspection # iREH0727843167
Chi Operating
Munchkin Fed # 005 Q

30-015-33725
12-19-30e

This is to notify you that we have resolved the issues on this location.

We corrected all leaks, steamed cleaned the tanks, Moved tanks out of the way so we could excavate all contaminated soil until we were able to get clean analytical data. Hauled in clean soil, Laid 20 mil plastic then rebuilt tank battery. See attached data.

Thank you,
Sonny Mann

Chi Operating
432-634-7062

Sonny Mann

Accepted for record
NMOCD

MAR 24 2008

Signed By

Mike Brown

Roadrunner Environmental
P.O. Box 1238
Carlsbad N.M. 88220

Oil Conservation Division
1301 W Grand
Artesia N.M. 88210

Attention Mr Ron Harvey
Inspection No 1REH0727843167
Chi Operating Inc
MUNCHKIN FEDERAL NO.005Q

Roadrunner is submitting a plan of action to remediate the area surrounding the tank battery and the areas through the firewalls to the south and east sides of battery.

- 1st) Steam clean tanks and all piping on battery
- 2nd) Excavate all-obvious signs of hydrocarbons around tank area
- 3rd) Take soil samples of area, see attached diagram
- 4th) Take soil samples outside of firewall, see attached diagram
- 5th) Deliver soil samples to an accredited lab for hydrocarbon analyses
- 6th) Upon results of samples: A) excavate until limits are acceptable B) move to step 7
- 7th) Saturate area with "ELIMINATOR" microbial cleaner, add layer of clean soil and roto-till
- 8th) Saturate area a second time with "ELIMINATOR", add a final layer of soil to bring to original grade and roto-till
- 9th) Once every 6, days sprinkle the area with clean fresh well water to aid in growth of the microbes and help with digestion of the hydrocarbons
- 10th) Continue to spray with well water for 6 weeks

All contaminated material picked up on location will be hauled to a properly licensed disposal facility and disposed of in accordance with O.C.D. and B.L.M. requirements.

Please feel free to contact me if you have any questions or concerns.

Thank You,

Mike Felkins
Roadrunner Env.
Off 505-887-6067
Cell. 505-361-2774



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS NM 88240

ANALYTICAL RESULTS FOR
ROAD RUNNER ENVIRONMENTAL
ATTN. MIKE FELKINS
P.O. BOX 1238
CARLSBAD, NM 88220
FAX TO (575) 887-2057

Receiving Date: 12/20/07
Reporting Date: 12/21/07
Project Owner: CHI
Project Name: MUNCHKIN #5
Project Location: EDDY COUNTY, NM

Sampling Date: 12/20/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: NF
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₂) (mg/kg)	DRO (>C ₁₂ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		12/20/07	12/20/07	12/21/07
H13961-1	G-1	<10.0	<10.0	<16
H13961-2	G-2	<10.0	<10.0	16
H13961-3	G-3	<10.0	<10.0	<16
H13961-4	H-1	<10.0	1300	128
H13961-5	H-2	<10.0	<10.0	160
H13961-6	H-3	<10.0	<10.0	96
H13961-7	CENTER-1	<10.0	<10.0	64
H13961-8	CENTER-2	<10.0	<10.0	32
H13961-9	CENTER-3	<10.0	<10.0	64
H13961-10	CENTER-4	<10.0	<10.0	112
H13961-11	A-1	<10.0	<10.0	96
H13961-12	A-2	<10.0	<10.0	<16
H13961-13	A-3	<10.0	<10.0	<16
H13961-14	B-1	<10.0	<10.0	64
Quality Control		528	484	500
True Value QC		500	500	500
% Recovery		106	96.8	100
Relative Percent Difference		5.6	18.7	<0.1

METHODS: TPH GRO & DRO, EPA SW-846 8015 M; Std. Methods 4500-CF/B

*Analyses performed on 1:4 w/v aqueous extracts.

Chemist

Date

H13961TCL RR

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (575) 395-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ROAD RUNNER ENVIRONMENTAL
ATTN: MIKE FELKINS
P O BOX 1238
CARLSBAD, NM 88220
FAX TO (575) 887-2057

Receiving Date 12/20/07
Reporting Date 12/21/07
Project Owner CHI
Project Name MUNCHKIN #5
Project Location EDDY COUNTY NM

Sampling Date 12/20/07
Sample Type SOIL
Sample Condition INTACT
Sample Received By NF
Analyzed By CK/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₂) (mg/kg)	DRO (>C ₁₂ -C ₂₈) (mg/kg)	CI* (mg/kg)
		12/21/07	12/21/07	12/21/07
H13961-15	B-2	<10.0	<10.0	64
H13961-16	B-3	<10.0	<10.0	<16
H13961-17	C-1	<10.0	<10.0	32
H13961-18	C-2	<10.0	<10.0	128
H13961-19	C-3	<10.0	<10.0	32
H13961-20	D-1	<10.0	<10.0	<16
H13961-21	D-2	<10.0	<10.0	<16
H13961-22	D-3	<10.0	<10.0	32
H13961-23	E-1	<10.0	<10.0	64
H13961-24	E-2	<10.0	<10.0	32
H13961-25	E-3	<10.0	<10.0	<16
H13961-26	F-1	<10.0	<10.0	48
H13961-27	F-2	<10.0	<10.0	96
H13961-28	F-3	<10.0	<10.0	<16
Quality Control		476	418	500
True Value QC		500	500	500
% Recovery		95.2	83.6	100
Relative Percent Difference		7.5	1.0	<0.1

METHODS TPH GRO & DRO EPA SW-846 8015 M, Std. Methods 4500-CFB

*Analyses performed on 1:4 w/v aqueous extracts


Chemist


Date

H13961TCL RR

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ROADRUNNER ENVIRONMENTAL
ATTN: MIKE FELKINS/SONNY MAN
P O BOX 1238
CARLSBAD, NM 88212
FAX TO: (575) 887-2057

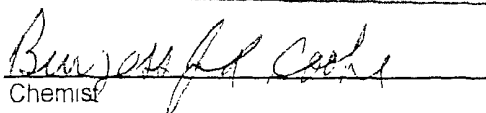
Receiving Date: 01/02/08
Reporting Date: 01/03/08
Project Owner: CHI
Project Name: CHI-MUNCKIN #5
Project Location: LEA CO, NM

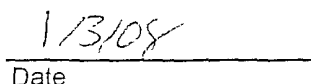
Sampling Date: 01/02/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC/KS

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	(mg/Kg)
		(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DATE		01/02/08	01/02/08	01/03/08
H14005-1	I-1	<10.0	<10.0	272
H14005-2	I-2	<10.0	<10.0	1680
H14005-3	I-3	<10.0	<10.0	416
H14005-4	J-1	<10.0	<10.0	16
H14005-5	J-2	<10.0	<10.0	96
H14005-6	J-3	<10.0	<10.0	176
H14005-7	K-1	<10.0	<10.0	32
H14005-8	K-2	<10.0	<10.0	32
H14005-9	K-3	<10.0	<10.0	256
H14005-10	L-1	<10.0	<10.0	48
H14005-11	L-2	<10.0	<10.0	320
Quality Control		758	761	500
True Value QC		800	800	500
% Recovery		94.8	95.1	100
Relative Percent Difference		0.1	4.1	<0.1

METHODS: TPH GRO & DRO. EPA SW-846 8015 M, CI: Std Methods 4500-CI'B

*Analyses performed on 1:4 w/v aqueous extracts.


Chemist


Date

H14005A RR-CHI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ROADRUNNER ENVIRONMENTAL
ATTN: MIKE FELKINS/SONNY MAN
P O BOX 1238

Receiving Date 01/02/08

Reporting Date: 01/03/08

Project Owner CHI

Project Name CHI-MUNCKIN #5

Project Location. LEA CO , NM

CARLSBAD, NM 88212

FAX TO. (575) 887-2057

Sampling Date: 01/02/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By AB

Analyzed By: BC/KS

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		01/03/08	01/03/08	01/03/08
H14005-12	L-3	<10.0	<10.0	64
H14005-13	M-1	<10.0	<10.0	7520
H14005-14	M-2	<10.0	<10.0	1520
H14005-15	M-3	<10.0	<10.0	320
H14005-16	N-1	<10.0	<10.0	832
H14005-17	N-2	<10.0	<10.0	448
H14005-18	N-3	<10.0	<10.0	96
H14005-19	O-1	<10.0	<10.0	64
H14005-20	O-2	<10.0	<10.0	96
H14005-21	O-3	<10.0	<10.0	64
H14005-22	P-1	<10.0	<10.0	96
H14005-23	P-2	<10.0	<10.0	16
H14005-24	P-3	<10.0	<10.0	16
H14005-25	Q-1	<10.0	<10.0	96
H14005-26	Q-2	<10.0	<10.0	16
H14005-27	Q-3	<10.0	<10.0	16
H14005-28	CENTER - A	<10.0	<10.0	160
H14005-29	CENTER - B	<10.0	<10.0	64
H14005-30	CENTER - C	<10.0	<10.0	48
H14005-31	CENTER - D	<10.0	<10.0	128
Quality Control		821	814	500
True Value QC		800	800	500
% Recovery		103	102	100
Relative Percent Difference		4.3	0.7	<0.1

METHODS TPH GRO & DRO. EPA SW-846 8015 M, CI* Std. Methods 4500-CI* B

*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

H14005B RR-CHI

Date

PLEASE NOTE Liability and Damages Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ROADRUNNER ENVIRONMENTAL
ATTN: SONNY MAN
P.O. BOX 1238
CARLSBAD, NM 88220
FAX TO: (575) 887-2057

Receiving Date 01/10/08
Reporting Date 01/11/08
Project Owner: CHI
Project Name: MUNCKIN #5
Project Location: EDDY CO., NM

Analysis Date: 01/10/08
Sampling Date: 01/10/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H14055-1	M #2 A	160
H14055-2	M #2 B	192
H14055-3	M #2 C	80
H14055-4	M #3 A	1,150
H14055-5	M #3 B	96
H14055-6	M #3 C	32
H14055-7	N #2 A	144
H14055-8	N #2 B	16
H14055-9	N #2 C	16
H14055-10	N #3 A	304
H14055-11	N #3 B	48
H14055-12	N #3 C	32
H14055-13	I #2 A	< 16
H14055-14	I #2 B	64
H14055-15	I #2 C	16
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		2.0

METHOD: Standard Methods

4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Kristen Ingolds
Chemist

01/11/08
Date

H14055 RR

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or other parties in the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated theories or otherwise.



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

CHI OPERATING

ATTN: SONNY MAN

P.O. BOX 1799

MIDLAND, TX 79702

FAX TO: (575) 887-2057

Receiving Date: 01/28/08

Reporting Date: 01/29/08

Project Number: NOT GIVEN

Project Name: MONEKIN #5

Project Location: EDDY CO., NM

Analysis Date: 01/28/08

Sampling Date: 01/28/08

Sample Type: SOIL

Sample Condition: INTACT

Sample Received By: ML

Analyzed By: HM

LAB NUMBER	SAMPLE ID	CF (mg/kg)
H14168-1	M - #4	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500-CFB

Note: Analysis performed on a 1:4 w:v aqueous extract.

Kristen Spivey
Chemist

01/29/08
Date

H14168 CHI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, in no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, or its affiliates. ~~Cardinal's liability shall be limited to the amount paid by client for analyses.~~



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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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