

1R - 427 - 65

REPORTS

DATE:

3-5-2002

1R0427-65

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	L-25	L	25	19S	38E	LEA	Length 10	Width 8	Depth 5

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER JIMMIE T COOPER OTHER _____

Depth to Groundwater 63 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 2/14/2002 Date Completed 2/18/2002 OCD Witness NO

Soil Excavated 70 cubic yards Excavation Length 20 Width 20 Depth 5 feet

Soil Disposed 50 cubic yards Offsite Facility C&C LANDFARM Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 2/15/2002 Sample Depth 5'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10	<10	1760
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	24	3830

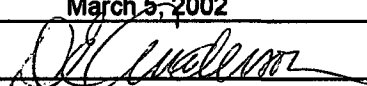
General Description of Remedial Action: Delineated vertical and lateral extent.

Vertical delineation found a decline in TPH from 2480 ppm at 4' bgs to 10 ppm at 8'bgs and chloride dropped from 4000 ppm at 4' to 600 ppm at 8'. These results indicate impact probably did not reach groundwater. A compacted clay barrier to vertical transmissivity and water tight junction box was installed and backfilled.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	4'	1500
BOTTOM	5'	3100
Vertical Trench	4'	4000
	6'	1000
	8'	600

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE March 5, 2002 PRINTED NAME D. E. Anderson
SIGNATURE  TITLE Project Leader - Environmental

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

RE ENVIRONMENTAL
ATTN: DEREK ROBINSON
P.O. BOX 13418
ODESSA, TEXAS 79768-3418
FAX: 366-0804
FAX: 505-397-1471 (Donnie Anderson)

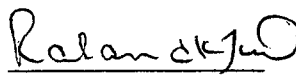
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.5 deg C
Project Name: Rice Operating
Project #: L-25
Project Location: Monument

Sampling Date: See Below
Receiving Date: 02/15/02
Analysis Date: 02/18/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
0202613-01	4 pt Wall Comp. @ 4'	<10	<10	02/14/02
0202613-02	5 pt Bottom Comp. @ 5'	<10	24	02/15/02

QUALITY CONTROL	477	550
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	95	110
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	593	644
SPIKE DUP	563	598
% EXTRACTION ACCURACY	118	126
BLANK	<10	<10
RPD	5.19	7.41

Methods: SW 846-8015M


Celey D. Keene
Raian K. Tuttle

2-20-02
Date

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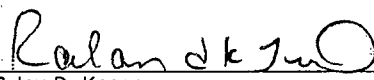
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.5 deg C
Project Name: Rice-Operating
Project #: L-25
Project Location: Monument

Sampling Date: See Below
Receiving Date: 02/15/02
Analysis Date: 02/18/02

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	SAMPLE DATE
0202613-01	4 pt Wall Comp. 4'	<0.025	<0.025	<0.025	<0.025	<0.025	02/14/02
0202613-02	5 pt Bottom Comp. @ 5'	<0.025	<0.025	<0.025	<0.025	<0.025	02/15/02

QUALITY CONTROL	0.091	0.094	0.086	0.186	0.086
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% INSTRUMENT ACCURACY	91	94	86	93	86
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	<0.025	<0.025
SPIKE	0.092	0.096	0.093	0.201	0.091
SPIKE DUP	0.088	0.092	0.089	0.192	0.088
% EXTRACTION ACCURACY	92	96	93	100	91
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	4.44	4.26	4.40	4.58	3.35

METHODS: EPA SW 846-8021B ,5030


Celey D. Keene
Randal K. Tuttle

2-10-02
Date

ENVIRONMENTAL LAB OF I, LTD.

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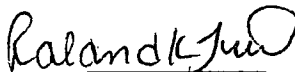
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.5 deg C
Project Name: Rice Operating
Project #: L-25
Project Location: Monument

Sampling Date: See Below
Receiving Date: 02/15/02
Analysis Date: 02/19/02

ELT#	FIELD CODE	Chloride mg/kg	SAMPLE DATE
0202613-01	4 pt Wall Comp. @ 4'	1760	02/14/02
0202613-02	5 pt Bottom Comp. @ 5'	3830	02/15/02

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	588
ORIGINAL SAMPLE	1760
SPIKE	2430
SPIKE DUP	2390
% EXTRACTION ACCURACY	106
BLANK	<5.00
RPD	1.07

Methods: SW 846-9253


Celey D. Keene
Raland K. Tuttle

2-20-02
Date

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Derek Robinson

R.E. Environmental

Project Name:

Project #:

Project Loc:

City/State/Zip:

Telephone No:

Fax No:

Sampler Signature:

Frank Robinson

[illegible]

C & C LANDFARM, INC.

BOX 55

MONUMENT, NEW MEXICO 88265

PHONE: (505) 397-2045

(505) 397-2860

(505) 392-2236

002051

COMPANY NAME Rice Oper. Co.
COMPANY REPRESENTATIVE NAME Dennis Anderson
LEASE NAME L-25

SEC.

TOWNSHIP

RANGE

TRUCKING COMPANY NAME R-E. Ennis

DRIVERS SIGNATURE Derek Robinson

TYPE OF MATERIAL BEING HAULED AND QUANTITY 50 yds

Cont Soil
COPY OF ANALYSIS ATTACHED, IF REQUIRED Yes Non HAZ
Less than
10,000

TPHC _____

BENZENE _____

TOLUENE _____

ETHYL BENZENE _____

PARA XYLENE _____

ATTENDANT ON DUTY [Signature]

DATE 2-19-002

EME L-25 Junction Box Upgrade



Remediation with New Plumbing

