

1R - 427 - 64

REPORTS

DATE:

2-19-2002

1R0427-64

**FINAL
REPORT**

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	L-18	L	18	19S	37E	LEA	10	8	5

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

Depth to Groundwater 64 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 02/11/2002 Date Completed 02/12/2002 OCD Witness NO

Soil Excavated 60 cubic yards Excavation Length 18 Width 15 Depth 8 feet

Soil Disposed 20 cubic yards Offsite Facility C&C LANDFARM Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 02/12/2002 Sample Depth 8'

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	88	115
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	67	125

General Description of Remedial Action: Delineated vertical and lateral extent to below

NMOCD guidelines. Installed compacted clay barrier to vertical transmissivity and a water tight junction box. Backfilled with blended topsoil. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	7'	150
BOTTOM	8'	200

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

DATE February 19, 2002 PRINTED NAME D. E. Anderson

SIGNATURE *D. E. Anderson* 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)

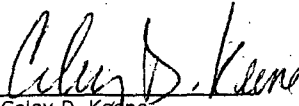
Sample Type: Soil
Sample Condition: Intact/ Iced/ 12.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: L-18

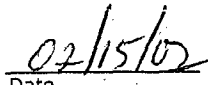
Sampling Date: See Below
Receiving Date: 02/12/02
Analysis Date: 02/12/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
0202587-01	5 pt Bottom Comp. @ 8'	<10	67	02/12/02
0202587-02	4 pt Wall Comp. @ 7'	<10	88	02/11/02

QUALITY CONTROL	584	585
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	117	117
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	1170	1160
SPIKE	1580	1510
SPIKE DUP	1570	1690
% EXTRACTION ACCURACY	84	111
BLANK	<10	<10
RPD	0.63	11.2

Methods: SW 846-8015M


Celey D. Keene
Raiaud K. Tuttle


Date

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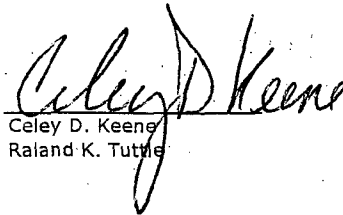
Sample Type: Soil
Sample Condition: Intact/ Iced/ 12.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: L-18

Sampling Date: See Below
Receiving Date: 02/12/02
Analysis Date: 02/13/02

ELT#	FIELD CODE	Chloride mg/kg	SAMPLE DATE
0202587-01	5 pt Bottom Comp. @ 8'	125	02/12/02
0202587-02	4 pt Wall Comp. @ 7'	115	02/11/02

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	625
ORIGINAL SAMPLE	310
SPIKE	942
SPIKE DUP	930
% EXTRACTION ACCURACY	99
BLANK	<5.00
RPD	1.28

Methods: SW 846-9253


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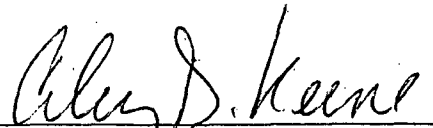
Sample Type: Soil
Sample Condition: Intact/ Iced/ 12.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: L-18

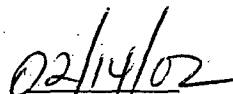
Sampling Date: See Below
Receiving Date: 02/12/02
Analysis Date: 02/12/02

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	SAMPLE DATE
0202587-01	5 pt Bottom Comp. @ 8"	<0.025	<0.025	<0.025	<0.025	<0.025	02/12/02
0202587-02	4 pt Wall Comp. @ 7'	<0.025	<0.025	<0.025	<0.025	<0.025	02/11/02

QUALITY CONTROL	0.111	0.112	0.105	0.226	0.101
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% INSTRUMENT ACCURACY	111	112	105	113	101
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	0.040	0.243	<0.025
SPIKE	0.113	0.114	0.114	0.236	0.106
SPIKE DUP	0.111	0.113	0.115	0.240	0.107
% EXTRACTION ACCURACY	111	113	113	115	107
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	1.78	0.88	0.89	1.68	0.94

METHODS: EPA SW 846-8021B ,5030


Celey D. Keene
Raland K. Tuttle


Date

C & C LANDFARM, INC.

BOX 55

MONUMENT, NEW MEXICO 88265

PHONE: (505) 397-2045

(505) 397-2860

(505) 392-2236

001823

COMPANY NAME Rice Open Co.

COMPANY REPRESENTATIVE NAME Dannie Anderson

LEASE NAME L-18 Junction

SEC.

TOWNSHIP

RANGE

TRUCKING COMPANY NAME R. E. Enrie

DRIVERS SIGNATURE Quah Robinson

TYPE OF MATERIAL BEING HAULED AND QUANTITY 10 yds

Cart Soil

COPY OF ANALYSIS ATTACHED, IF REQUIRED Below 10,000

TPHC _____

BENZENE _____

TOLUENE _____

ETHYL BENZENE _____

PARA XYLENE _____

ATTENDANT ON DUTY Jim Cooper

DATE 2-12-002

EME L-18 Junction Box Upgrade



Remediation with New Plumbing