

1R - 427 - 73

REPORTS

DATE:

2 - 19 - 2002

1RO 427-73

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

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

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

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

Date Started 02/07/2002 Date Completed 02/08/2002 OCD Witness NO

Soil Excavated 110 cubic yards Excavation Length 22 Width 20 Depth 7 feet

Soil Disposed 110 cubic yards Offsite Facility C&C LANDFARM Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 02/08/2002 Sample Depth 7'

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	155	154
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	102	222

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

CHLORIDE FIELD TESTS

NMOCD guidelines. Installed compacted clay barrier to vertical transmissivity and a water tight

junction box. Backfilled with clean topsoil. Natural attenuation will remediate the remaining hydrocarbon.

LOCATION	DEPTH	mg/kg
SIDEWALLS	6'	100
BOTTOM	7'	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: LOGAN ANDERSON
P.O. BOX 13418
ODESSA, TEXAS 79768-3418
FAX: 366-0804
FAX: 505-397-1471 (Donnie Anderson)

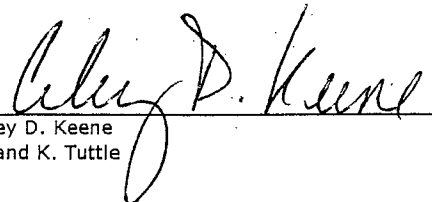
Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C/ * 10 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: B-18

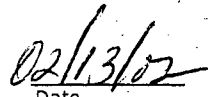
Sampling Date: See Below
Receiving Date: 02/08/02
Receiving Date: * 02/11/02
Analysis Date: 02/11/02

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	SAMPLE DATE
0202560-01	5 pt Bottom Comp.	<0.025	<0.025	<0.025	<0.025	<0.025	02/07/02
0202568-01*	4 pt Wall Comp. @ 6'	<0.025	<0.025	<0.025	<0.025	<0.025	02/08/02

QUALITY CONTROL	0.109	0.111	0.103	0.218	0.099
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% INSTRUMENT ACCURACY	109	111	103	109	99
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	0.115	0.114	0.108	0.227	0.099
SPIKE DUP	0.112	0.115	0.108	0.230	0.102
% EXTRACTION ACCURACY	112	115	108	115	102
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.64	0.87	0.00	1.31	2.98

METHODS: EPA SW 846-8021B ,5030


Celey D. Keene
Randal K. Tuttle


Date

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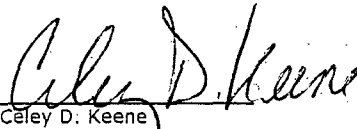
Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C/ * 10 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: B-18

Sampling Date: See Below
Receiving Date: 02/08/02
Receiving Date: *02/11/02
Analysis Date: 02/11/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
0202560-01	5 pt Bottom Comp.	<10	102	02/07/02
0202568-01*	4 pt Wall Comp. @ 6'	<10	155	02/08/02

QUALITY CONTROL	561	592
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	110	117
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	84
SPIKE	529	578
SPIKE DUP	596	645
% EXTRACTION ACCURACY	111	104
BLANK	<10	<10
RPD	11.9	11.0

Methods: SW 846-8015M

 02/13/02
Caley D. Keene Date
Randal K. Tuttle

ENVIRONMENTAL LAB OF I, LTD.

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

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C/ * 10 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: B-18

Sampling Date: See Below
Receiving Date: 02/08/02
Receiving Date: *02/11/02
Analysis Date: 02/11/02

ELT#	FIELD CODE	Chloride mg/kg	SAMPLE DATE
0202560-01	5 pt Bottom Comp.	222	02/07/02
0202568-01*	4 pt Wall Comp. @ 6'	154	02/08/02

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	625
ORIGINAL SAMPLE	222
SPIKE	853
SPIKE DUP	853
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.0

Methods: SW 846-9253


Celey D. Keene
Raland K. Tuttle

02/13/02
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Fax: 915-563-1713

12600 West I-20 East
Odessa, Texas 79763

Logan Anderson

Environmental

[illegible]

Fax No: _____

[Signature]

[illegible]

C & C LANDFARM, INC.

BOX 55

MONUMENT, NEW MEXICO 88265

PHONE: (505) 397-2045

(505) 397-2860

(505) 392-2236

001819

COMPANY NAME Rice Operating Co.

COMPANY REPRESENTATIVE NAME Dennis Anderson

LEASE NAME E-18

SEC.

TOWNSHIP

RANGE

TRUCKING COMPANY NAME R.E. Erwin

DRIVERS SIGNATURE [Signature]

TYPE OF MATERIAL BEING HAULED AND QUANTITY 110 yds

City Cont Soil

COPY OF ANALYSIS ATTACHED, IF REQUIRED Yes

TPHC under 10,000

BENZENE 1

TOLUENE

ETHYL BENZENE

PARA XYLENE

ATTENDANT ON DUTY [Signature]

DATE 2-8-00

EME B-18 Jct. Box Upgrade



Remediation

