

1R - 427 - 55

REPORTS

DATE:

2-11-2002

1R0427-055

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	Trio Persons	I	27	19S	36E	LEA	Length 10	Width 12	Depth 5

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

Depth to Groundwater <50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 1/30/2002 Date Completed 2/1/2002 OCD Witness NO

Soil Excavated 150 cubic yards Excavation Length 28 Width 25 Depth 6 feet

Soil Disposed 140 cubic yards Offsite Facility C&C LANDFARM Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 2/1/2002 Sample Depth 6'

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	12	168
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	532

General Description of Remedial Action: Delineated vertical extent to 11' bgs. TPH

was clean at 6' bgs. This decline indicates the impact probably stopped before reaching

groundwater. The site was delineated laterally to below NMOCD TPH guidelines.

A compacted clay barrier to vertical transmissivity was installed. A water tight junction

box was installed and backfilled with fresh soil. The high impacted soil was hauled to a permitted

disposal facility. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	5'	250
BOTTOM	6'	350
Vertical Extent	3'	900
	5'	900
	7'	500
	9'	400
	11'	200

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

DATE February 11, 2002

PRINTED NAME D. E. Anderson

SIGNATURE *D. E. Anderson*

TITLE Project Leader - Environmental

ENVIRONMENTAL LAB OF , INC.

"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)

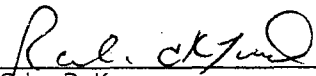
Sample Type: Soil
Sample Condition: Intact/ Iced/ 0.0 deg C
Project Name: Trio Persons Battery
Project #: None Given
Project Location: Rice Operating

Sampling Date: 02/01/02
Receiving Date: 02/04/02
Analysis Date: 02/04/02

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0202533-01	Spt Composite Bottom @ 6'	<0.025	<0.025	<0.025	<0.025	<0.025
0202533-02	4pt Wall Comp. @ 5'	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.113	0.110	0.099	0.210	0.095
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	113	110	99	105	95
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	0.113	0.114	0.110	0.221	0.103
SPIKE DUP	0.110	0.109	0.102	0.216	0.097
%EA	110	109	102	108	97
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.69	4.48	7.55	2.29	6.00

METHODS: EPA SW 846-8021B, 5030


Celey D. Keene
Ral K. Tuttle

2-05-02
Date

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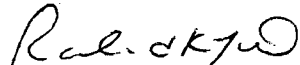
Sample Type: Soil
Sample Condition: Intact/ Iced/ 0.0 deg C
Project Name: Trio Persons Battery
Project #: None Given
Project Location: Rice Operating

Sampling Date: 02/01/02
Receiving Date: 02/04/02
Analysis Date: 02/04/02

ELT#	FIELD CODE	Chloride mg/kg
0202533-01	5pt Composite Bottom @ 6'	532
0202533-02	4pt Wall Comp. @ 5'	168

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	500
ORIGINAL SAMPLE	18
SPIKE	523
SPIKE DUP	523
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.0

METHODS: EPA SW 846-9253



Celey D. Keene
Ralend K. Tuttle

2-05-02
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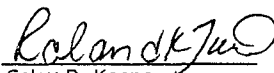
Sample Type: Soil
Sample Condition: Intact/ Iced/ 0.0 deg C
Project Name: Trio Persons Battery
Project #: None Given
Project Location: Rice Operating

Sampling Date: 02/01/02
Receiving Date: 02/04/02
Analysis Date: 02/04/02

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
0202533-01	5pt Composite Bottom @ 6'	<10	12
0202533-02	4pt Wall Comp. @ 5'	<10	<10

QUALITY CONTROL	563	540
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	113	108
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	30
SPIKE	552	599
SPIKE DUP	529	594
% EXTRACTION ACCURACY	111	118
BLANK	<10	<10
RPD	4.26	0.84

Methods: SW 846-8015M


Celey D. Keene
Ralanda K. Tuttle

2-05-02
Date

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Donnie Anderson

Company Name Rice Operations

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Donnie Anderson

Rice Operations

Company Address:

City/State/Zip:

Telephone No:

Quench Kolman

Project Name: Trio Persons Battery

Project #:

Project Loc: Rice Operations.

PO #:

Fax No:

Quench Kolman

[illegible]

C & C LANDFARM, INC.

BOX 55

MONUMENT, NEW MEXICO 88265

PHONE: (505) 397-2045

(505) 397-2860

(505) 392-2236

001815

COMPANY NAME

Rue Oper. Co.

COMPANY REPRESENTATIVE NAME

Danville Anderson

LEASE NAME

Iron Pass

SEC.

TOWNSHIP

RANGE

27

195

36E

TRUCKING COMPANY NAME

R.E. Evans

DRIVERS SIGNATURE

Paul Robinson

TYPE OF MATERIAL BEING HAULED AND QUANTITY

145 yds

Crushed Rock

COPY OF ANALYSIS ATTACHED, IF REQUIRED

See Page 10000

TPHC

None Found

BENZENE

TOLUENE

ETHYL BENZENE

PARA XYLENE

ATTENDANT ON DUTY

Jim Cooper

DATE

2-1-002

EME Trio Persons Jct. Box Upgrade



Remediation

