

1R - 426-23

REPORTS

DATE:

4/25/2003

IR-426-23

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard	M-26	M	26	21 S	37 E	Lea	Length	Width	Depth
							9	6	7.5

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/19/2003 Date Completed 4/2/2003 OCD Witness No

Soil Excavated 220 cubic yards Excavation Length 24 Width 25 Depth 10 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 3/21/2003 Sample Depth 11' bgs

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	<10.0	50.4	355
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	49.2	284
REMEDIATED	<0.025	<0.025	<0.025	<0.025	22.4	568	693

General Description of Remedial Action: This junction was located about 20' south of an active production facility. The site was delineated vertically and laterally producing a 24' x 25' x 10' excavation as space allowed. Chloride impact exhibited a significant decline with depth. TPH was below NMOCD guidelines. A 1' compacted clay barrier was installed at the bottom to hinder vertical migration of residual impact. The excavated soil was land farmed on location and then backfilled into the clay-lined hole. A water-tight junction box has been built over this location.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	6	1450
	10	1000
6' S	comp.	150
15' W	comp.	500
10' E	comp.	600
18' N	comp.	150
wall comp.	n/a	250
btm. comp.	10	350

cc: lab results, photos

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

DATE 4/25/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Projects Scientist

BD jct. M-26



Before Excavation, After NORM Removal



Beginning Impact Excavation



Impact Excavation



Box Construction With Plastic Liner



Completed New Junction Box

ANALYTICAL REPORT

Prepared for:

**Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240**

Project: M-26

PO#:

Order#: G0306159

Report Date: 04/08/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0306159
Project:
Project Name: M-26
Location: BD

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0306159-01	Rem. Pile Comp.	SOIL	4/2/03 13:00	4/3/03 9:30	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	7 C		
8015M						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306159
Project:
Project Name: M-26
Location: BD

Lab ID: 0306159-01
Sample ID: Rem. Pile Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		4/4/03 14:03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	22.4	10.0
DRO, >C12-C35	568	10.0
TOTAL, C6-C35	590	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	107%	70	130
1-Chlorooctadecane	122%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005140-02		4/3/03 20:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	94%	80	120
Bromofluorobenzene	104%	80	120

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

4-08-03

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306159
Project:
Project Name: M-26
Location: BD

Lab ID: 0306159-01
Sample ID: Rem. Pile Comp.

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Chloride	693	mg/kg	1	20	9253	4/7/03	CK

Approval:

Raland K Tuttle 4-08-03
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0306159

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306154-01	0	952	1070	112.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306154-01	0	952	964	101.3%	10.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-05		1000	997	99.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306159

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-02			<0.025		
Toluene-mg/kg		0005140-02			<0.025		
Ethylbenzene-mg/kg		0005140-02			<0.025		
p/m-Xylene-mg/kg		0005140-02			<0.025		
o-Xylene-mg/kg		0005140-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.102	102.%	
Toluene-mg/kg		0306165-02	0	0.1	0.104	104.%	
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.105	105.%	
p/m-Xylene-mg/kg		0306165-02	0	0.2	0.219	109.5%	
o-Xylene-mg/kg		0306165-02	0	0.1	0.105	105.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.105	105.%	2.9%
Toluene-mg/kg		0306165-02	0	0.1	0.107	107.%	2.8%
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.110	110.%	4.7%
p/m-Xylene-mg/kg		0306165-02	0	0.2	0.229	114.5%	4.5%
o-Xylene-mg/kg		0306165-02	0	0.1	0.111	111.%	5.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-05		0.1	0.091	91.%	
Toluene-mg/kg		0005140-05		0.1	0.094	94.%	
Ethylbenzene-mg/kg		0005140-05		0.1	0.102	102.%	
p/m-Xylene-mg/kg		0005140-05		0.2	0.216	108.%	
o-Xylene-mg/kg		0005140-05		0.1	0.097	97.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306159

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-04		5000	4870	97.4%	

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project: M

~~Longen Andrews~~

Kristin Ferris

Project Name:

M-26

Company Name

Rice Operating

Project #:

Company Address:

122 W Taylor

Project Loc:

6D

City/State/Zip:

6666s, NM 88240

400

(505) 397-1471

Next on

Sampler Signature:

1

[illegible]

Special Instructions

Results

Relinquished by:

Date _____

Time

Received by:

Acquired by:

Date _____

Time

Received by:

Relinquished by:

Date _____

Time

10

Received by Ekot: Kal - 1/1/19

Date _____

Time

Sample Containers Intact?
Temperature Upon Receipt:
Laboratory Comments:

Dec 79