

1R - 427-07

REPORTS

DATE:

1-13-2003

Ms 427-7

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	O-24	O	24	20 S	36 E	Lea	Length	Width	Depth
							No Box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Tuffy Cooper _____ OTHER _____

Depth to Groundwater 36-117? feet NMOCD SITE ASSESSMENT RANKING SCORE: ? *

Date Started 12/12/2002 Date Completed 12/19/2002 OCD Witness No

Soil Excavated 540 cubic yards Excavation Length 35 Width 35 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 12/17/2002 Sample Depth 12'

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
BOTTOM	<0.005	<0.005	<0.005	<0.015	<10.0	<10.0	798
WALLS	<0.005	<0.005	<0.005	<0.015	<10.0	<10.0	780
REMEDIAED	<0.005	<0.005	<0.005	<0.015	<10.0	65.3	368

General Description of Remedial Action: This junction box location was visibly impacted with TPH prior to excavating. Vertically, the visual TPH ceased at 11' bgs.

The walls were then extended until visual TPH virtually diminished, creating a 35'x 35' x 12' excavation. The excavated soil was landfarmed on-site and then backfilled into the excavation. The backfill was contoured to mimic the surrounding landscape and the surface is expected to experience a re-growth a vegetation. The bottom and wall composite samples were tested for chlorides at two different labs. Cardinal Laboratory's results have been significantly inconsistent with field tests, as was the case when these results were received. The samples were then sent to Environmental Lab of Texas whose results were congruent with field tests and those results are reported above.

* Depth to groundwater here is ambiguous. USGS maps indicate that the site is located on a hydrogeologic boundary line to the north of which groundwater is around 36' and 117' to the south.

cc: lab results, photos

CHLORIDE FIELD TESTS

LOCATION	DEPTH	ppm
Vertical	8'	1107
	12'	986
	14'	951
17' E	6'	489
17'W	8'	1102
	12'	507
17'N	12'	1073
17'S	8'	476
	12'	910

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

DATE 1/13/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Projects Scientist

EME jct. O-24



NORM Excavation



Beginning Excavation

EME jct. O-24



Bottom of Excavation



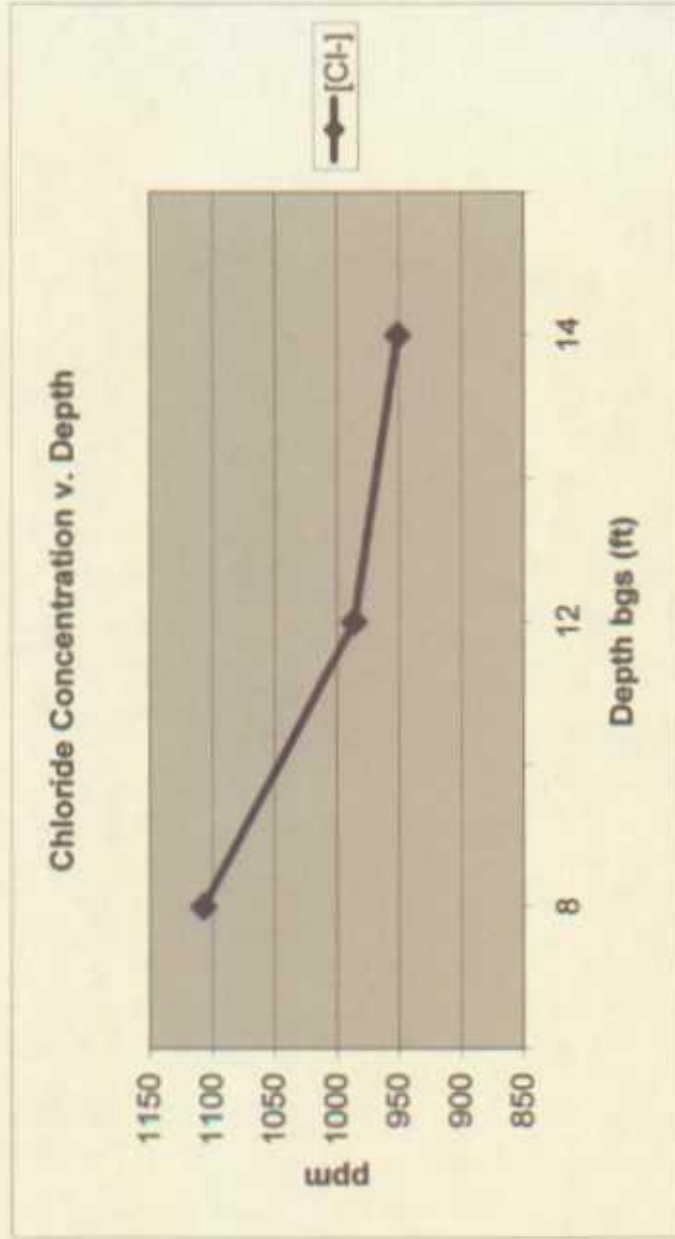
Backfilled

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME jct. O-24
T20S, R36E

Depth bgs (ft)	[Cl ⁻] ppm
8	1107
12	986
14	951



Groundwater = 36-117 ft???

ANALYTICAL REPORT

Prepared for:

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

New
CI-

Project: 0-24 Jct.
PO#: 749
Order#: G0205356
Report Date: 12/31/2002

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#: G0205356
Project: None Given
Project Name: 0-24 Jct.
Location: EME SWD

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>
0205356-01	Bottom Comp. @12'	SOIL	12/17/02	12/30/02 19:46	Plastic Bag	None
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: n/a		
0205356-02	Wall Comp.	SOIL	12/17/02	12/30/02 19:46	Plastic Bag	None
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: n/a		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0205356
Project: None Given
Project Name: 0-24 Jct.
Location: EME SWD

Lab ID: 0205356-01
Sample ID: Bottom Comp. @12'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	798	mg/kg	1	20	9253	12/31/02	SB

Lab ID: 0205356-02
Sample ID: Wall Comp.

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	780	mg/kg	1	20	9253	12/31/02	SB

Approval: Raland K. Tuttle 12-31-02
Raland K. Tuttle, Lab Director, QA Officer Date
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

Test Parameters

Order#: G0205356

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004213-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205356-01	798	1000	1790	99.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205356-01	798	1000	1810	101.2%	1.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004213-04		5000	4960	99.2%	

12500 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Kristio Farris

Project Name: 0-24 jct.

RICE Operation

Project #:

122 W Taylor

Project Loc: EME SWD

40 bbs, NM 88240

PO #: 749

25) 393-9174

Fax No: (505) 397-1471

Sampler Signature:

Холостой

[illegible]



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/17/02
Reporting Date: 12/18/02
Project Number: NOT GIVEN
Project Name: O-24
Project Location: EME

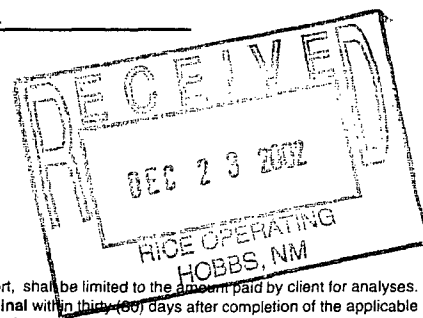
Sampling Date: 12/17/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		12/17/02	12/17/02	12/17/02	12/17/02
H7325-1	BTM COMP. @ 12'	<0.005	<0.005	<0.005	<0.015
H7325-2	WALL COMP.	<0.005	<0.005	<0.005	<0.015
Quality Control		0.100	0.094	0.094	0.273
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.5	94.2	93.7	91.1
Relative Percent Difference		12.3	12.2	10.7	8.2

METHOD: EPA SW-846 8260

Burgess A. Coche
Chemist

12/18/02
Date



PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or subcontractors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

[illegible]



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

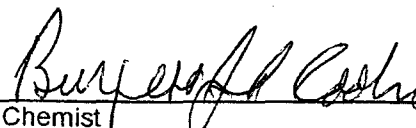
Receiving Date: 12/20/02
Reporting Date: 12/26/02
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: EME

Sampling Date: 12/19/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

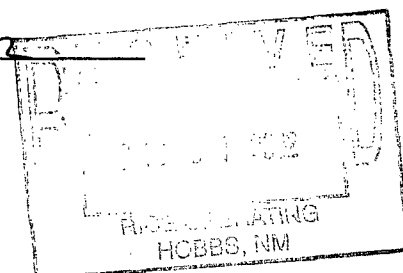
LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		12/23/02	12/23/02	12/23/02
H7340-1	0-24 REMEDIATED	<10.0	65.3	368
H7340-2	A-26 10' W @ 6'	391	3050	1248
Quality Control		759	825	1000
True Value QC		800	800	1000
% Recovery		94.9	103	100
Relative Percent Difference		3.1	1.3	3.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI B

*Analyses performed on 1:4 w:v aqueous extracts.


Chemist

12/26/02
Date



H7340A.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

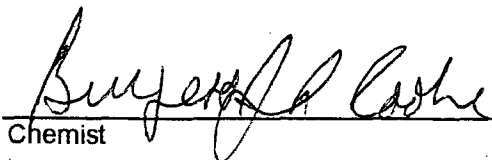
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/20/02
Reporting Date: 12/26/02
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: EME

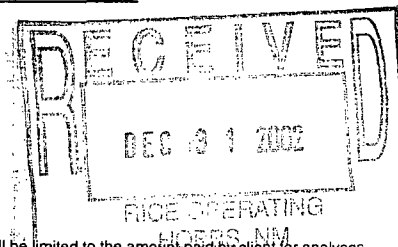
Sampling Date: 12/19/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		12/23/02	12/23/02	12/23/02	12/23/02
H7340-1	0-24 REMEDIATED	<0.005	<0.005	<0.005	<0.015
H7340-2	A-26 10' W @ 6'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.108	0.100	0.104	0.306
True Value QC		0.100	0.100	0.100	0.300
% Recovery		108	100	104	102.0
Relative Percent Difference		6.1	1.9	5.5	5.7

METHOD: EPA SW-846 8260


Chemist

12/26/02
Date



PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or third parties arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H7340B.XLS



2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476