

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		
							Length	Width	Depth
EME	O-24	O	24	20 S	36 E	Lea	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
REMEDIAATED	<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



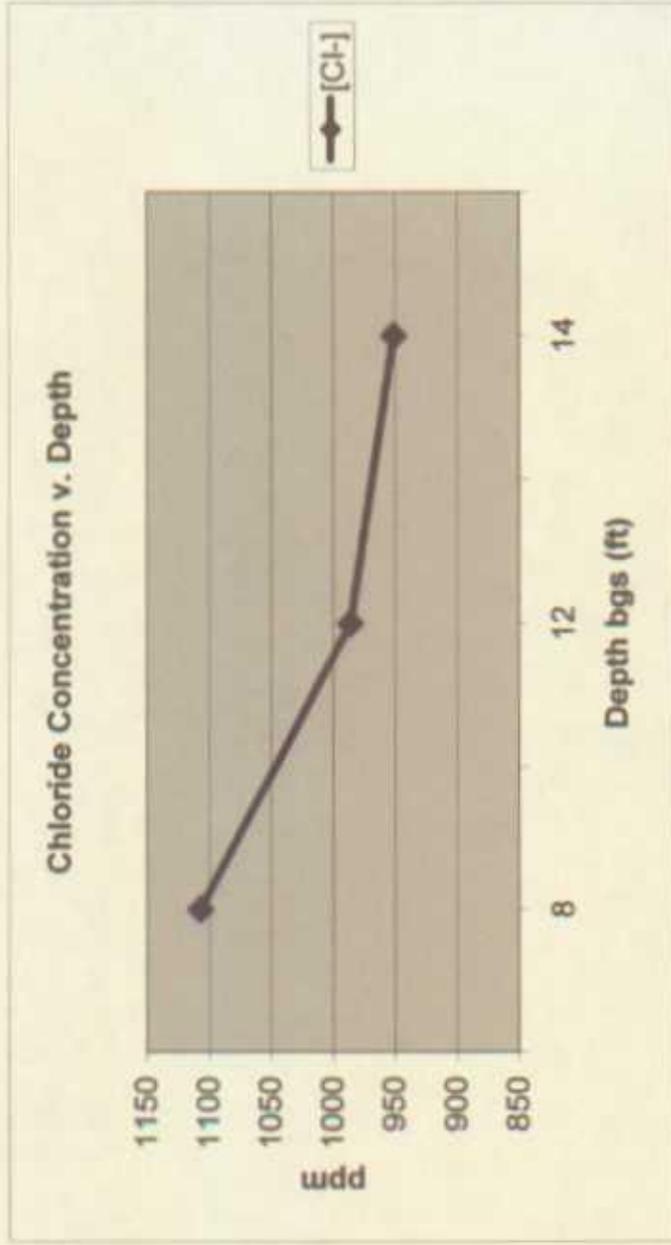
Backfilled

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
Cl⁻

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%	



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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/AH

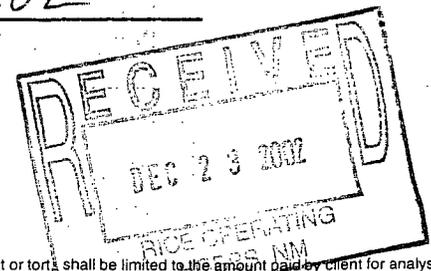
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		12/17/02	12/17/02	12/18/02
H7325-1	BTM COMP. @ 12'	<10.0	<10.0	1150
H7325-2	WALL COMP.	<10.0	<10.0	1060
Quality Control		831	806	970
True Value QC		800	800	1000
% Recovery		104	101	97.0
Relative Percent Difference		1.6	2.2	1.0

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

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

Bryant J. Cook
 Chemist

12/18/02
 Date



H7325A.XLS

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 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

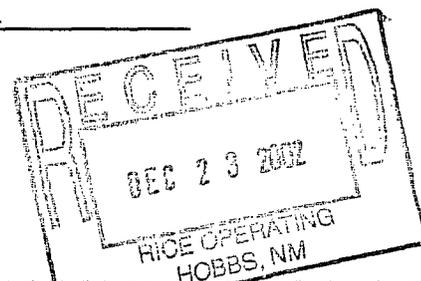
Sampling Date: 12/17/02
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

BILL TO

ANALYSIS REQUEST

Company Name: ACE Operating
Project Manager: Kristin Fairis

Address: 188 W. Taylor State: NM zip: 88246

City: Hobbs State: NM zip: 88246
Phone #: 393-9174 Fax #: 397-1471

Project #: Project Owner:

Object Name: 0-24 City: State: Zip:

Object Location: EME Phone #: Fax #:

Sampler Name: H. Fairis

OR LAB USE ONLY

Lab I.D. Sample I.D.

Date	Time	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :					
12/13/02	12:12	C	1			X								CL-
12/13/02	12:12	C	1			X								BTEX
12/13/02	12:12	C	1			X								8015M

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Sampler Relinquished: Date: 12/17/02 Received By: (Lab Staff)
Time: 15:00 Date: 12/17/02 Time:

Requested By: Received By: (Lab Staff)
Time: Date: Time:

Delivered By: (Circle One) Sample Condition CHECKED BY:
 UPS Bus Other: Yes Intact No Yes No

Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:

REMARKS:

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 2 1/2% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

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



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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

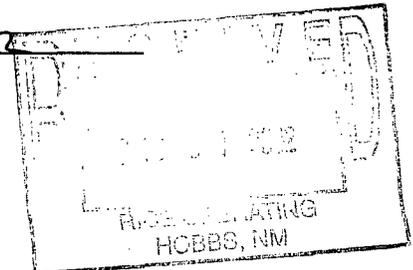
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		12/23/02	12/23/02	12/23/02
H7340-1	0-24 REMEDIATED	<10.0	65.3	368
H7340-2	A-26 10' W @ 6'	391	3050	1248
Quality Control		759	825	1000
True Value QC		800	800	1000
% Recovery		94.9	103	100
Relative Percent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

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

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

Burton A. Cash
Chemist

12/26/02
Date



H7340A.XLS

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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

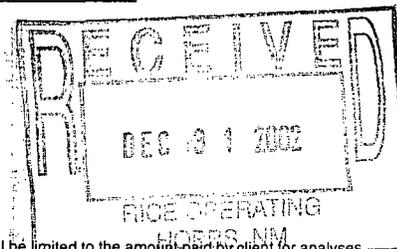
Sampling Date: 12/19/02
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

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

Bryant A. Cash
 Chemist

12/24/02
 Date



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H7340B.XLS

