

1R - 426-47

REPORTS

DATE:

3/13/2002

IR-426-47

FINAL
REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
B-D	J-17	J	17	22S	37E	Lea	10'	10'	5'

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck OTHER _____

Depth to Groundwater 67' feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 02/22/2002 Date Completed 03/01/2002 OCD Witness No

Soil Excavated 49 cubic yards Excavation Length 25' Width 25' Depth 8' feet

Soil Disposed 0 cubic yards Offsite Facility Junction Box Location Eunice, N.M.

FINAL ANALYTICAL RESULTS: Sample Date March 1, 2002 Sample Depth 8' 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 PPM
SIDEWALLS	<0.005	<0.005	<0.005	<0.015	<10.0	68.3	2110
BOTTOM	<0.005	<0.005	<0.005	<0.015	<10.0	87.7	560

General Description of Remedial Action: Excavated the area laterally and vertically to find the depth where impact met NMOCD TPH guidelines. At 8' compacted clay barrier was installed to slow the migration of any impact left in the soil. A water tight junction box was installed and backfilled with blended soil. The area was contoured to the surrounding area. The excavated soil was blended on site and then used for backfill.

Because chlorides declined from 2000 ppm chlorides at 4' bgs to 600 ppm chlorides at 8' bgs, it is assumed that impact stops before GW.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Chlorides
B Comp	8' bgs	600 ppm
W Comp	4'-8' bgs	1500 ppm

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

DATE March 13, 2002 PRINTED NAME Chris Rodriguez

SIGNATURE *Chris Rodriguez* TITLE Environmental Technician



**ARDINAL
LABORATORIES**

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: CHRIS RODRIGUEZ
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

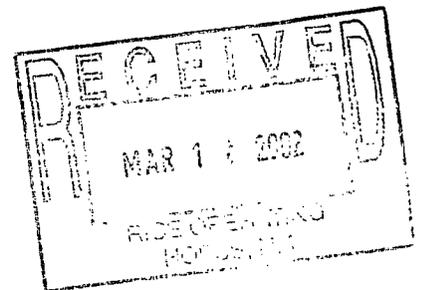
Receiving Date: 03/06/02
Reporting Date: 03/08/02
Project Owner: RICE
Project Name: JCT J-17 BOX UPGRADE
Project Location: B-D

Sampling Date: 02/26/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE	03/07/02	03/07/02	03/08/02
H6568-1 WALL COMP.	<10.0	68.3	2110
H6568-2 BOTTOM COMP.	<10.0	87.7	560
Quality Control	763	749	1040
True Value QC	800	800	1000
% Recovery	95.3	93.6	104
Relative Percent Difference	9.6	4.2	2.0

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

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



Chris Rodriguez

Chemist

3/8/02

Date

H6568A.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

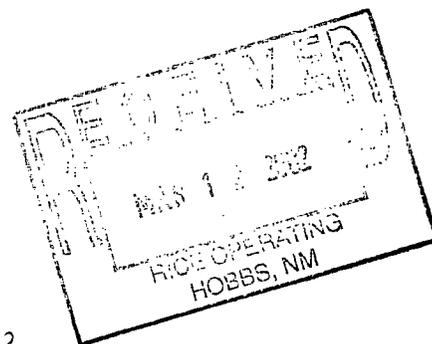
ANALYTICAL RESULTS FOR
 RICE OPERATING CO.
 ATTN: CHRIS RODRIGUEZ
 122 W. TAYLOR
 HOBBS, NM 88240
 FAX TO: (505) 397-1471

Receiving Date: 03/06/02
 Reporting Date: 03/08/02
 Project Owner: RICE
 Project Name: JCT J-17 BOX UPGRADE
 Project Location: B-D

Sampling Date: 02/26/02
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: BC
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/07/02	03/07/02	03/07/02	03/07/02
H6568-1	WALL COMP.	<0.005	<0.005	<0.005	<0.015
H6568-2	BOTTOM COMP.	<0.005	<0.005	<0.005	<0.015
Quality Control		0.110	0.101	0.108	0.310
True Value QC		0.100	0.100	0.100	0.300
% Recovery		110	101	108	103
Relative Percent Difference		2.9	0.8	5.6	6.4

METHOD: EPA SW-846 8260



Bryan J. Cook
 Chemist

3/18/02
 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 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.

