

1R – 427 - 107

REPORTS

DATE:

4-18-2001

427-107

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
E.M.E.	K-1	K	1	20 S	36 E	Lea	Length 13'	Width 11'	Depth 6'

LAND TYPE: BLM _____ STATE X FEE LANDOWNER Climax Chemical CO. OTHER _____

Depth to Groundwater 26' feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 04/15/2001 Date Completed 04/18/2001 OCD Witness No

Soil Excavated 135 cubic yards Excavation Length 13' Width 11' Depth 11' feet

Soil Disposed 0 cubic yards Offsite Facility none Location none

FINAL ANALYTICAL RESULTS: Sample Date April 18, 2001 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	<0.005	0.005	0.006	0.028	<50	<50	160
BOTTOM	<0.005	<0.005	<0.005	0.019	<50	<50	304

General Description of Remedial Action: Delineated site below the NMOCD guidelines. Impacted area was blended with fresh soil below the NMOCD guidelines and used as backfill. A compacted clay barrier was installed. Then a water tight junction box was installed and then backfilled.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
N wall	2'-5' BGS	50 ppm
E wall	2'-5' BGS	50 ppm
S wall	2'-5' BGS	50 ppm
W wall	2'-5' BGS	50 ppm
Wall Comp.	2'-5' BGS	50 ppm
Bottom Comp.	6' BGS	650 ppm
Bottom Comp.	7 1/2' BGS	1450 ppm
Bottom Comp.	10' BGS	450 ppm
Bottom Comp.	11' BGS	250 ppm

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

DATE April 18, 2001 PRINTED NAME Chris Rodriguez

SIGNATURE Chris Rodriguez TITLE Environmental Technician



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:

Receiving Date: 04/16/01
Reporting Date: 04/17/01
Project Number: K-1
Project Name: BOX UPGRADE
Project Location: E.M.E.

Sampling Date: 04/12/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

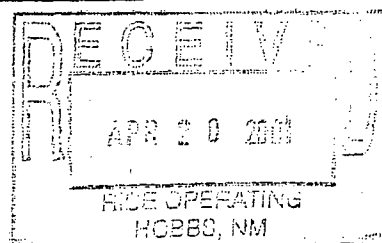
LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		04/16/01	04/16/01	04/17/01
H5790-1	BOTTOM COMPOSITE	<50	<50	1060
H5790-2	SIDES	<50	<50	160
Quality Control		776	726	960
True Value QC		800	800	1000
% Recovery		97.0	90.7	96.0
Relative Percent Difference		1.3	2.7	6.3

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

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

Burgess J. P. Collier
Chemist

4/17/01
Date



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Project Name: BOX UPGRADE
Project Location: E.M.E.

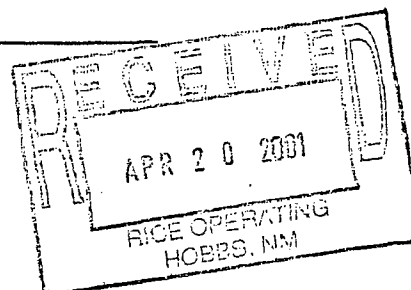
Sampling Date: 04/12/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		04/16/01	04/16/01	04/16/01	04/16/01
H5790-1	BOTTOM COMPOSITE	<0.005	<0.005	<0.005	<0.015
H5790-2	SIDES	<0.005	0.005	0.006	0.028
Quality Control		0.107	0.100	0.101	0.301
True Value QC		0.100	0.100	0.100	0.300
% Recovery		107	99.9	101	100
Relative Percent Difference		11.0	8.9	10.8	8.5

METHOD: EPA SW-846 8260


Chemist

4/17/01
Date



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ARDINAL LABORATORIES, INC.

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(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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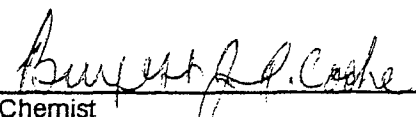
Receiving Date: 04/17/01
Reporting Date: 04/18/01
Project Number: K-1
Project Name: BOX UPGRADE
Project Location: E.M.E.

Sampling Date: 04/16/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/GP

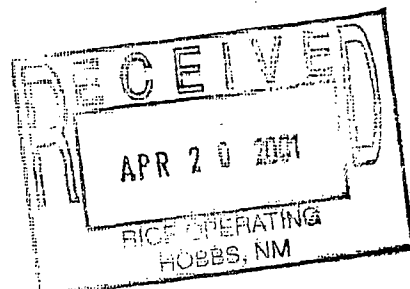
LAB NO.	SAMPLE ID	GRO	DRO	Cl*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		04/17/01	04/17/01	04/17/01
H5793-1	K-1 BOX UPGRADE 11" BG5	<50	<50	304
Quality Control		776	726	960
True Value QC		800	800	1000
% Recovery		97.0	90.7	96.0
Relative Percent Difference		1.3	2.7	6.3

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

*Analysis performed on a 1:4 w:v aqueous extract.


Chemist

478701
Date



H5793A.XLS



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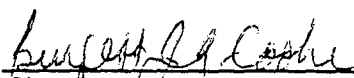
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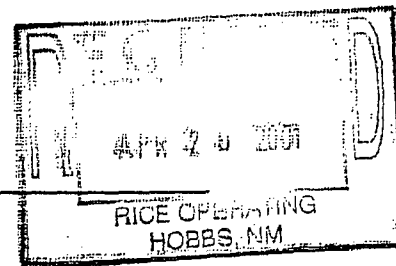
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Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		04/17/01	04/17/01	04/17/01	04/17/01
H5793-1	K-1 BOX UPGRADE // 1865	<0.005	<0.005	<0.005	0.019
Quality Control		0.101	0.097	0.100	0.290
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	96.7	100	96.6
Relative Percent Difference		5.8	3.3	1.2	3.7

METHOD: EPA SW-846 8260


Chemist

4/18/01
Date



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ANALYSIS REQUEST									
Company Name: Rice Operating	P.O. #:	Company: Rice							
Project Manager: K-1		Attn:							
Address: 122 W. TAYLOR	State: U.M. Zip: 88240	Address: 122 W. TAYLOR							
City: Hobbs		City: Hobbs							
Phone #: 583-9174	Fax #:	State: N.M. Zip: 88240							
Project #: K-1	Project Owner:	Phone #: 393-9174							
Project Name: K-1 Box Upgrade		Fax #:							
Project Location: E. N.E.									
Sampler Name: Bottom Composite 11' BGS									
FOR LAB USE ONLY									
Lab I.D.	Sample I.D.	MATRIX	PRESERV	SAMPLING	DATE	TIME			
115793-1	K-1 Box Upgrade	GROUNDWATER	OTHER:		4/14/01	3:40 P			
		WASTEWATER	ACID/BASE:						
		CRUDE OIL	ICE / COOL						
		SLUDGE	OTHER:						
		SOIL							
		GROUNDWATER							
		# CONTAINERS							
		(G) RAB OR (C) CMP							

Interest and Commissions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of posting, and on notes of collection, including attorney's fees.

Sampler Relinquished:	Date:	Received By:		Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
	Time:			Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
<i>Mrs. G. G. G. G.</i>		REMARKS:					

Relinquished By: 	Date: 04/17/2001 Time: 12:40 PM	Received By: (Lab Staff) 	CHECKED BY: (Initials)
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
E.M.E.	K-1	K	1	20 S	36 E	Lea	Length 13'	Width 11'	Depth 6'

LAND TYPE: BLM _____ STATE X FEE LANDOWNER Climax Chemical CO. OTHER _____

Depth to Groundwater 26' feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 04/15/2001 Date Completed 04/18/2001 OCD Witness No

Soil Excavated 0 cubic yards Excavation Length 13' Width 11' Depth 11' feet

Soil Disposed 0 cubic yards Offsite Facility Sundance Disposal Location E.M.E.

FINAL ANALYTICAL RESULTS: Sample Date 04/18/2001 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	<0.005	0.005	0.006	0.028	<50	<50	160
BOTTOM	<0.005	<0.005	<0.005	0.019	<50	<50	304

General Description of Remedial Action: No soil was hauled off it was blended with the surrounding area and delineated below NMOCD guidelines. A compacted clay barrier

was installed. Then a water tight junction box was added and then backfilled.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
N wall	2'-5' BGS	50 ppm
E wall	2'-5' BGS	50 ppm
S wall	2'-5' BGS	50 ppm
W wall	2'-5' BGS	50 ppm
Wall Comp.	2'-5' BGS	50 ppm
Bottom Comp.	6' BGS	650 ppm
Bottom Comp.	7 1/2' BGS	1450 ppm
Bottom Comp.	10' BGS	450 ppm
Bottom Comp.	11' BGS	250 ppm

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

DATE 04/18/2001 PRINTED NAME Chris Rodriguez

SIGNATURE Chris Rodriguez TITLE Environmental Technician



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HOBBS, NM 88240
FAX TO:

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Reporting Date: 04/17/01
Project Number: K-1
Project Name: BOX UPGRADE
Project Location: E.M.E.

Sampling Date: 04/12/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

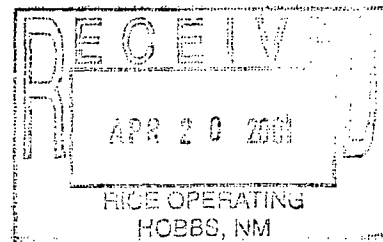
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		04/16/01	04/16/01	04/17/01
H5790-1	BOTTOM COMPOSITE	<50	<50	1060
H5790-2	SIDES	<50	<50	160
Quality Control		776	726	960
True Value QC		800	800	1000
% Recovery		97.0	90.7	96.0
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METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

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

Burgess J. P. Cashe
Chemist

4/17/01
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Project Location: E.M.E.

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Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

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ANALYSIS DATE		04/16/01	04/16/01	04/16/01	04/16/01
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H5790-2	SIDES	<0.005	0.005	0.006	0.028
Quality Control		0.107	0.100	0.101	0.301
True Value QC		0.100	0.100	0.100	0.300
% Recovery		107	99.9	101	100
Relative Percent Difference		11.0	8.9	10.8	8.5

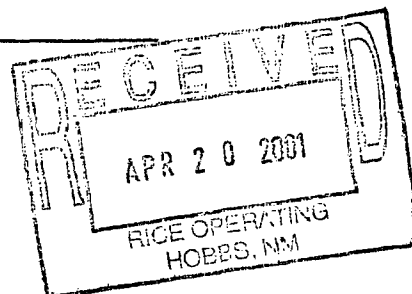
METHOD: EPA SW-846 8260

Chemist

Date

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H5790B.XLS





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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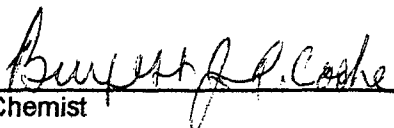
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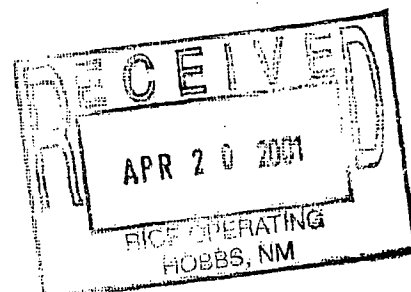
LAB NO.	SAMPLE ID	GRO	DRO	Cl*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		04/17/01	04/17/01	04/17/01
H5793-1	K-1 BOX UPGRADE	<50	<50	304
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METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analysis performed on a 1:4 w:v aqueous extract.


Chemist

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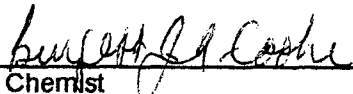
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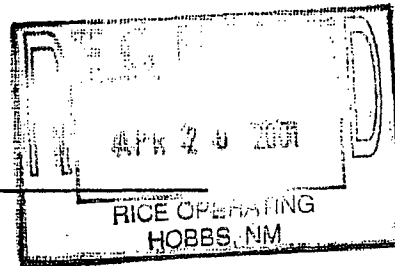
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H5793-1	K-1 BOX UPGRADE	<0.005	<0.005	<0.005	0.019
Quality Control		0.101	0.097	0.100	0.290
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	96.7	100	96.6
Relative Percent Difference		5.8	3.3	1.2	3.7

METHOD: EPA SW-846 8260


Chemist

4/18/01
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