

1R - 427-288

# REPORTS

DATE:

9-11-08

EME Vent C-8

1R427-288  
288

RECEIVED  
MAR 25 2006  
Environmental Bureau  
Oil Conservation Division

# Disclosure

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice Monument Eumont (EME)	Jct. C-8 vent	C	8	20S	37E	Lea	moved 50 ft north		

LAND TYPE: BLM X STATE \_\_\_\_\_ FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

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

Date Started 8/17/2006 Date Completed 10/17/2006 OCD Witness no

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 9/26/2006 Sample Depth 12 ft

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
4-WALL COMP.	PID = 6.2 (field reading)				<10.0	21.9	64
BOTTOM COMP.	<0.005	<0.005	<0.005	<0.015	<10.0	325	576
BACKFILL	PID = 38.1 (field reading)				<10.0	269	352

General Description of Remedial Action: This junction was addressed under the pipeline replacement/upgrade program. A new, watertight junction box was installed 50 ft north of the former. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x30x12-ft-deep hole. Each sample was field tested for chloride concentrations and organic vapors. Representative composite samples were collected from the excavation bottom, walls, and excavated soil for laboratory confirmation of chloride, TPH, and BTEX concentrations. The excavated soil was then blended on-site and returned to the excavation up to the ground surface. Clean, imported soil was used to top cap the location. On 10/25/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 7/31/2008.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	374
bottom comp.	12'	594
backfill comp.	n/a	555
vertical delineation trench 15 ft south of the junction (source)	1'	404
	2'	401
	3'	336
	4'	433
	5'	422
	6'	466
	7'	566
	8'	472
	9'	392
	10'	407
11'	523	
12'	800	

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: photos, lab results, BTEX comparison table, chloride curve

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

SITE SUPERVISOR Noel Carmona SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

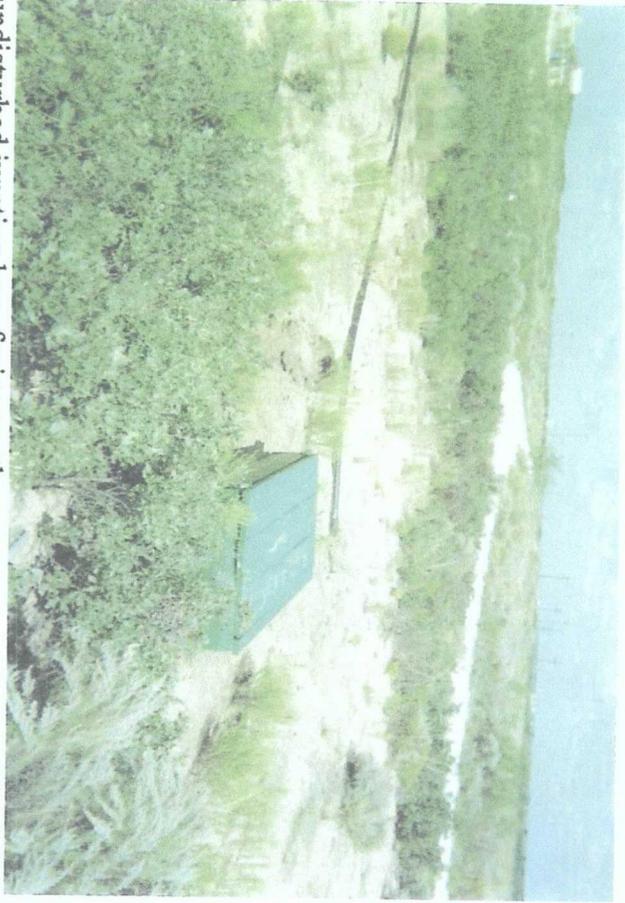
REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 9-11-08

\*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

# EME Jct. C-8 vent

Unit C, Section 8, T20S, R37E



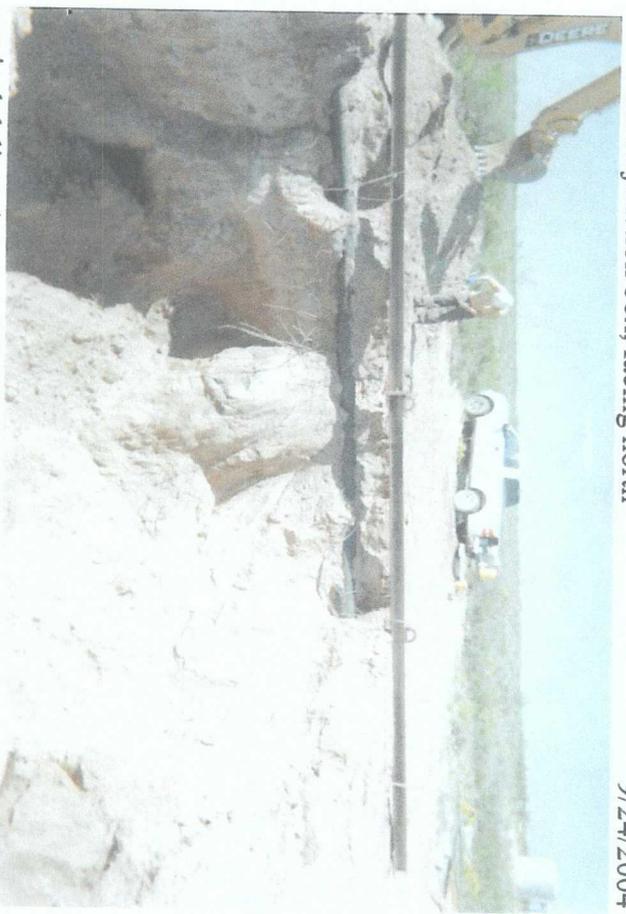
undisturbed junction box, facing north

9/24/2004



excavation of 5 ft south vertical

9/18/2006



vertical delineation trench 10 ft south of junction (source)

9/20/2006



backfilling of excavation site

10/12/2006

# EME Jct. C-8 vent

Unit C, Section 8, T20S, R37E



spreading clean, imported top soil

10/19/2006



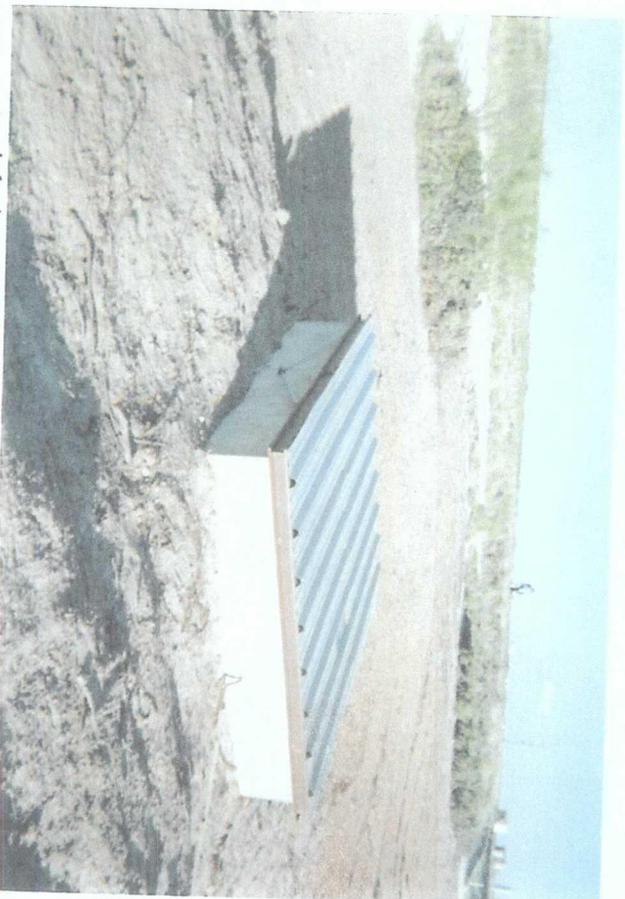
seeding backfilled site

10/25/2006



site complete, facing south

10/19/2006



new, watertight junction box

10/30/2006



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

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

COPY

Receiving Date: 09/27/06  
 Reporting Date: 09/28/06  
 Project Number: NOT GIVEN  
 Project Name: EME VENT C-8  
 Project Location: NOT GIVEN

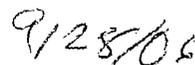
Sampling Date: 09/26/06  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: HM  
 Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		09/26/06	09/26/06	09/27/06
H11578-2	BTTM FIELD COMP @ 12'	<10.0	325	576
H11578-3	BACKFILL COMP	<10.0	269	352
H11578-4	4 WALL COMP 30x30	<10.0	21.9	64
Quality Control		780	784	490
True Value QC		800	800	500
% Recovery		97.5	98.0	98.0
Relative Percent Difference		2.2	0.6	0.0

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

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

  
 Chemist

  
 Date

H11578A

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 analysis. 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.



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

COPV

Receiving Date: 09/27/06  
 Reporting Date: 09/28/06  
 Project Number: NOT GIVEN  
 Project Name: EME VENT C-8  
 Project Location: NOT GIVEN

Sampling Date: 09/26/06  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: HM  
 Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		09/27/06	09/27/06	09/27/06	09/27/06
H11578-1	COMPOSITE, BTTM #1-#5	<0.005	<0.005	<0.005	<0.015
H11578-2	BTTM FIELD COMP @ 12'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.105	0.104	0.105	0.305
True Value QC		0.100	0.100	0.100	0.300
% Recovery		105	104	105	102
Relative Percent Difference		4.5	1.4	0.6	1.5

METHOD: EPA SW-846 8260

Burgess J. Cook  
 Chemist

9/28/06  
 Date

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# COPY

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**CARDINAL LABORATORIES, INC.**

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
 (325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page      of     

BILL TO ANALYSIS REQUEST									
Company Name: RICE OPER. Co.		P.O. #:		Company:		PRESERV.		SAMPLING	
Project Manager: Roy R. Rascon		State: NM Zip: 88240		Attn:		ACID/BASE:		DATE	
Address: 122 W. TAYLOR		Fax #: 397-1471		Address:		OTHER:		TIME	
City: Hobbs,		Project Owner:		City:		SLUDGE		9-26-06 3:00 P	
Phone #: 393-9174		Project Name:		State:		OIL		TR48015 M	
Project #: EME Vent C-8		Project Location:		Zip:		WASTEWATER		BTX	
Project Name:		Sampler Name: X-168		Phone #:		GROUNDWATER		G1	
Project Location:		FOR LAB USE ONLY		Fax #:		# CONTAINERS		G1	
Sample I.D.		Sample I.D.				(G)RAB OR (C)OMP.		G1	
1	BTM # 1	1		1		1		1	
2	BTM # 2	1		1		1		1	
3	BTM # 3	1		1		1		1	
4	BTM # 4	1		1		1		1	
5	BTM # 5	1		1		1		1	
6	BTM Field Comp @ 12'	1		1		1		1	
7	BACKFILL Comp	1		1		1		1	
8	4 Wall Comp 30X30	1		1		1		1	

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**Terms and Conditions:** 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 invoice, and all costs of collections, including attorney's fees.

Received By: Date: 9-27-06 Time: 10:24 AM Date: 09-27-06 Time: 10:24	Received By: (Lab Staff) <i>Hope S. Mason</i>	Checked By: _____ Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> No Temp. °C _____
Relinquished By: <i>X-168</i>	Remarks: BTM #1-5 composite in Lab & Run BTX	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

# 2008 BTEX Study

# Revised Junction Box Upgrade Plan (2003)

System: EME  
 Site: Jct. C-8 vent

Date: 9/26/2006  
 Sampler: Noel Carmona

Laboratory: Cardinal Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	0.1				
	2	3.2				
	3	235.0	<0.005	<0.005	<0.005	<0.015
	4	33.5				
	5	18.2				
			LAB COMPOSITE (mg/kg)			
			<0.005	<0.005	<0.005	<0.015

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed "W" pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

# CHLORIDE CONCENTRATION CURVE

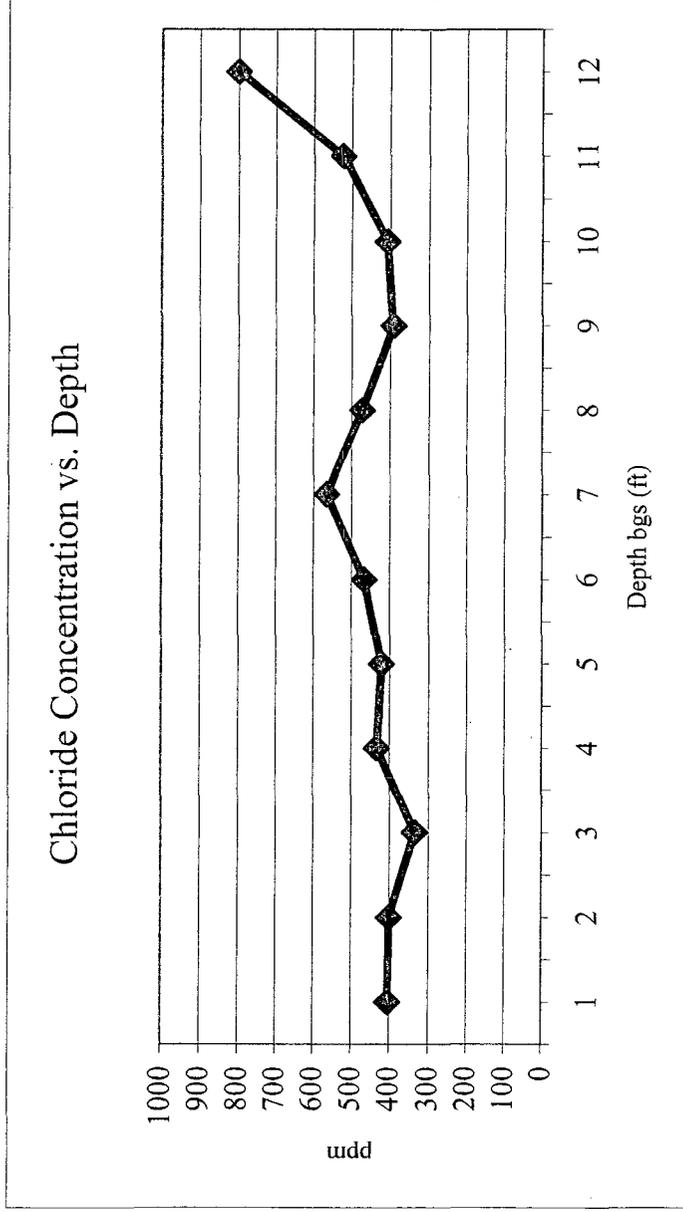
RICE Operating Company

## EME Jct. C-8 vent

unit 'C', Sec. 8, T20S, R37E

Backhoe samples at 15 ft south of the junction (source)

Depth bgs (ft)	[Cl] ppm
1	404
2	401
3	336
4	433
5	422
6	466
7	566
8	472
9	392
10	407
11	523
12	800



Groundwater = 40 ft