

1R - 427-230

REPORTS

DATE:

4-1-08

EME Jct B-7 (2 Boxes)

1R427-230

CLOSURE

4-1-08

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
Eunice-Monument-Eumont (EME)	jct. B-7 (2 boxes)	B	7	19S	37E	Lea	Length	Width	Depth
							no box; junction eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER James H. Foley _____ OTHER _____

Depth to Groundwater 47 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/2/2007 Date Completed 9/18/2007 NMOCD Witness no

Soil Excavated 400 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 9/12/2007 Sample Depth 12 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH, BTEX, and chloride laboratory test results completed by using an approved laboratory 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 = 1.9 (field reading)				<10.0	<10.0	96
BOTTOM COMP.	<0.002	<0.002	<0.002	<0.006	<10.0	<10.0	80
BACKFILL	PID = 76.4 (field reading)				<10.0	10.2	80

CHLORIDE FIELD TESTS

General Description of Remedial Action:

This site contained 2 junction boxes that were eliminated as part of the ongoing pipeline replacement/upgrade program. Once the box lumber was removed, a backhoe was used to collect soil samples at regular intervals producing a 30 x 30 x 12-ft-deep excavation. Chloride field tests were conducted on each sample and yielded low chloride concentrations throughout. Organic vapors were also measured using a PID instrument. Representative composite samples from the excavation floor, walls, and excavated soil were collected for laboratory confirmation. NMOCD TPH guideline concentrations were met for BTEX and TPH. The excavated soils were blended on site and returned to the excavation and contoured to the surrounding terrain. On 9/19/2007 the disturbed area was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings, chloride graph, BTEX comparison

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at former junction	5	965
	6	756
	7	436
	8	365
	9	336
	10	259
	11	245
	12	299
4-wall comp.	n/a	161
bottom comp.	12	240
backfill comp.	n/a	288

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

SITE SUPERVISOR L. Bruce Baker SIGNATURE Bruce Baker COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
DATE 3/3/2008 TITLE Project Scientist



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

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

RECEIVED

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

SEP 19 2007

RICE OPERATING
HOBBS NM

Receiving Date: 09/13/07
Reporting Date: 09/14/07
Project Number: NOT GIVEN
Project Name: EME JCT. B-7
Project Location: EME JCT. B-7

Sampling Date: 09/12/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: BC/HM

COPY

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
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ANALYSIS DATE	09/13/07	09/13/07	09/13/07
H13288-1 4 WALL COMP.	<10.0	<10.0	96
H13288-2 BACKFILL	<10.0	10.2	80
H13288-3 5 PT. FIELD BOTTOM COMP.	<10.0	<10.0	80
Quality Control	570	611	500
True Value QC	600	600	500
% Recovery	95.0	102	100
Relative Percent Difference	2.4	1.1	<0.1

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

Date

H13288A RICE

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.



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RECEIVED
RECEIVED

SEP 19 2007

SEP 18 2007

RICE OPERATING
RICE OPERATING
HOBBS NM

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

Receiving Date: 09/13/07
Reporting Date: 09/14/07
Project Number: NOT GIVEN
Project Name: EME JCT. B-7
Project Location: EME JCT. B-7

Sampling Date: 09/12/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		09/13/07	09/13/07	09/13/07	09/13/07
H13288-3	5 PT. FIELD BOTTOM COMP.	<0.002	<0.002	<0.002	<0.006
H13288-4	BOTTOM LAB COMP. @ 12'	<0.002	<0.002	<0.002	0.017
Quality Control		0.103	0.098	0.100	0.277
True Value QC		0.100	0.100	0.100	0.300
% Recovery		103	98.3	100	92.2
Relative Percent Difference		5.0	1.7	4.9	2.7

METHOD: EPA SW-846 8260

Chemist

9/14/07
Date

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[illegible]

EME jct. B-7 (2 boxes)

Unit B, Section 7, T19S, R37E



undisturbed junction boxes

2/14/2006



collecting soil samples from excavation

Sept. 2007



backfilling excavation

Sept. 2007



seeding disturbed area

9/19/2007

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

COPY

CK.
MODEL
NO.

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

MODEL: PGM 7600
MODEL: PGM 7600
MODEL: PGM 7600
MODEL: PGM 7600

SERIAL NO: 110-023920
SERIAL NO: 110-013744
SERIAL NO: 110-12383
SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3264	EXPIRATION DATE: 1/18/09
FILL DATE: 7/18/07	METER READING ACCURACY: 101 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	B-7	B	7	195	37E

SAMPLE ID	PID	SAMPLE ID	PID
5pt Bottom Comp.	1444	Backfill	76.4
Bottom # 1	13.4		
Bottom # 2	30.2		
Bottom # 3	1442		
Bottom # 4	19.0		
Bottom # 5	27.2		
4 Wall Comp	1.9		

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

Bruce Baker

DATE:

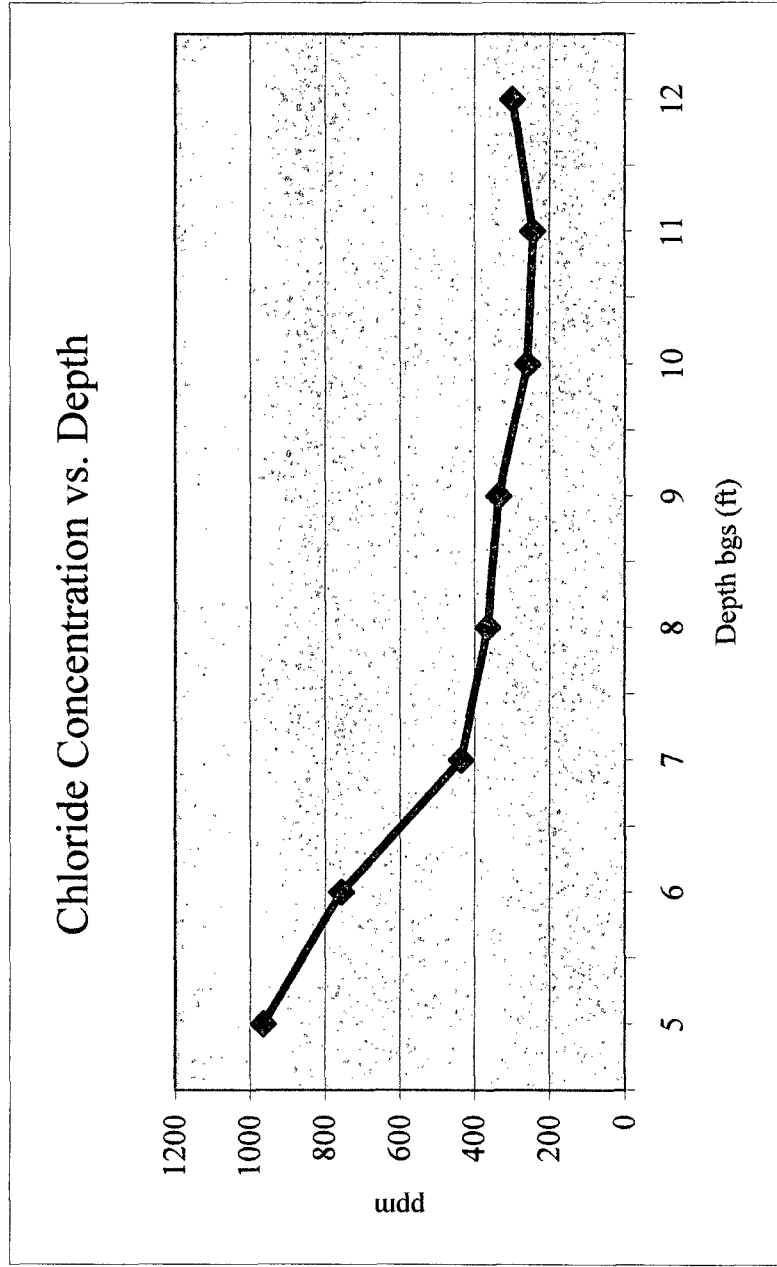
9-12-07

EME jct. B-7 unit 'B', Sec. 7, T19S, R37E

Backhoe samples at junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
5	965
6	756
7	436
8	365
9	336
10	259
11	245
12	299

Groundwater = 47 ft



2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: EME Date: 9/12/2007 Laboratory: Cardinal
 Site: jct. B-7 Sampler: L. Bruce Baker Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	5 sample points	1444	<0.002	<0.002	<0.002	<0.006
LAB COMPOSITE (mg/kg)						
excavation dimensions 30 x 30 x 12 ft			<0.002	<0.002	<0.002	0.017

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)