

1R - 427-211

REPORTS

DATE:

2-6-07

E ME Hartman Britt P11

ECL

1R-427-211

DISCLOSURE

RECEIVED

APR - 4 2007

Environmental Bureau
Oil Conservation Division

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

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
EME	Hartman Britt 'A' EOL	K	6	20S	37E	Lea	Length	Width	Depth
							no box--jct. eliminated		

LAND TYPE: BLM X STATE _____ FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 31 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 9/21/2006 Date Completed 11/13/2006 NMOCD Witness no

Soil Excavated 333 cubic yards Excavation Length 30 Width 25 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 10/20/2006 Sample Depth 12 ft

Procure 5-point composite sample of the excavation bottom. 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	Chloride mg/kg
4-WALL COMP.	<0.005	<0.005	0.043	0.052	15.2	233	112
BOTTOM COMP.	PID = 81.6				201.0	927	208
REMEDI. BACKFILL	<0.005	<0.005	<0.005	<0.015	12.3	466	96

General Description of Remedial Action:

This end-of-line (EOL) box was located

next to an abandoned production facility. After the box lumber was removed, the site was delineated using a backhoe to collect soil samples at regular intervals creating a 30 x 25 x 12-ft excavation. Chloride field tests performed on each sample yielded relatively low concentrations throughout. PID measurements were also conducted on the samples which exhibited elevated concentrations and soils exhibited a noticeable hydrocarbon presence. Composite samples were collected from the final excavation for laboratory analysis. OCD TPH guidelines were not met. The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding terrain. The disturbed surface was seeded with a blend of native vegetation on 11/13/2006. An identification plate was placed on the surface at the site of the former junction to mark this location for future environmental considerations. OCD was notified of potential groundwater impact at this site on 2/2/2007.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	322
bottom comp.	12	317
backfill comp.	n/a	277

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID field screenings, BTEX comparison table, plan view

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 2/6/2007 TITLE Project Scientist

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



junction box location; box lumber removed

7/14/2006

EMLE Hartman Britt 'A' EOL

Unit 'K', Sec. 6, T20S, R37E



collecting samples with backhoe

Sept. 2006



delineation & excavation



continuing backfill

November 2006



compacting backfill

November 2006



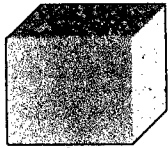
backfilling

November 2006



seeding disturbed surface

11/13/2006



jct. K-6 vent (AP-46)



MW-1

EME HARTMAN BRITT 'A' EOL

unit 'K', Sec. 6, T20S, R37E

30 x 25 x 12-ft-deep excavation

~~~ not to scale ~~~



approx. 300 ft

ABANDONED

PRODUCTION

BATTERY

25 ft

Hartman Britt  
'A' EOL  
former jct.  
box site

30 x 25 x 12 ft deep excavation

30 ft

# 2006 BTEX Study

# Revised Junction Box Upgrade Plan (2003)

System: EME Date: 10/20/2006 Laboratory: Cardinal  
 Site: Hartman Britt 'A' EOL Sampler: Darnell Mitchell Laboratories

| Location                                       | Component  | PID reading<br>(ppm) | FIELD COMPOSITE (mg/kg) |         |               |               |
|------------------------------------------------|------------|----------------------|-------------------------|---------|---------------|---------------|
|                                                |            |                      | Benzene                 | Toluene | Ethyl Benzene | Total Xylenes |
| 4-WALL<br>COMPOSITE<br>from<br>30 x 25 x 12 ft | NORTH wall | 4.1                  | <0.005                  | <0.005  | 0.043         | 0.052         |
|                                                | SOUTH wall | 597                  |                         |         |               |               |
|                                                | EAST wall  | 415                  |                         |         |               |               |
|                                                | WEST wall  | 273                  |                         |         |               |               |
|                                                |            |                      | LAB COMPOSITE (mg/kg)   |         |               |               |
|                                                |            |                      | <0.005                  | <0.005  | 0.024         | 0.025         |

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)



# ARDINAL LABORATORIES

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: 10/20/06  
Reporting Date: 10/23/06  
Project Number: NOT GIVEN  
Project Name: HARTMAN BRITT A EOL  
Project Location: NOT GIVEN

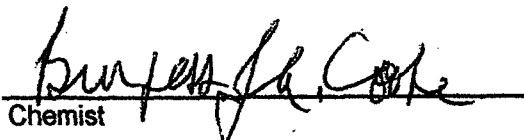
Sampling Date: 10/20/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC/HM

| LAB NUMBER | SAMPLE ID | GRO<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/Kg) | DRO<br>(>C <sub>10</sub> -C <sub>28</sub> )<br>(mg/Kg) | CI*<br>(mg/Kg) |
|------------|-----------|------------------------------------------------------|--------------------------------------------------------|----------------|
|------------|-----------|------------------------------------------------------|--------------------------------------------------------|----------------|

| ANALYSIS DATE               |                        | 10/20/06 | 10/20/06 | 10/23/06 |
|-----------------------------|------------------------|----------|----------|----------|
| H11683-1                    | 4 WALL COMP 30x25x12   | 15.2     | 233      | 112      |
| H11683-2                    | BACKFILL BLEND         | 12.3     | 466      | 96       |
| H11683-3                    | 5 PT BOTTOM COMP @ 12' | 201      | 927      | 208      |
| Quality Control             |                        | 776      | 741      | 500      |
| True Value QC               |                        | 800      | 800      | 500      |
| % Recovery                  |                        | 97.0     | 92.6     | 100      |
| Relative Percent Difference |                        | 1.4      | 6.9      | 0.0      |

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

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

  
Chemist

10/23/06  
Date

H11683A

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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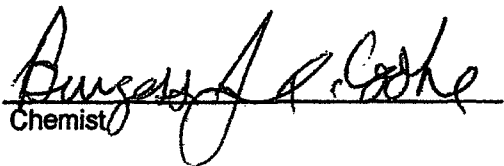
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Receiving Date: 10/20/06  
Reporting Date: 10/23/06  
Project Number: NOT GIVEN  
Project Name: HARTMAN BRITT A EOL  
Project Location: NOT GIVEN

Sampling Date: 10/20/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC

| LAB NO.                     | SAMPLE ID              | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|-----------------------------|------------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE               |                        | 10/20/06           | 10/20/06           | 10/20/06                    | 10/20/06                    |
| H11683-1                    | 4 WALL COMP 30x25x12   | <0.005             | <0.005             | 0.043                       | 0.052                       |
| H11683-2                    | BACKFILL BLEND         | <0.005             | <0.005             | <0.005                      | <0.015                      |
| H11683-4                    | COMP.-N, S, E, W WALLS | <0.005             | <0.005             | 0.024                       | 0.025                       |
|                             |                        |                    |                    |                             |                             |
|                             |                        |                    |                    |                             |                             |
| Quality Control             |                        | 0.105              | 0.094              | 0.098                       | 0.281                       |
| True Value QC               |                        | 0.100              | 0.100              | 0.100                       | 0.300                       |
| % Recovery                  |                        | 105                | 94.4               | 97.8                        | 93.6                        |
| Relative Percent Difference |                        | 4.7                | 7.1                | 4.0                         | 4.7                         |

METHOD: EPA SW-846 8260

  
Chemist

10/23/06  
Date

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10-20-06