

1R - 426-65

REPORTS

DATE:

2/22/2002

IR-426-65

FINAL REPORT

JUNCTION BOX FINAL REPORT

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------|----------|------|---------|----------|-------|--------|-----------------------|-------------|-------------|
| B-D | J-21 | J | 21 | 22S | 37E | Lea | Length 10' | Width 7' | Depth 3' |

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

Depth to Groundwater 66' feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 2-22-02 Date Completed 2-22-02 OCD Witness No

Soil Excavated 0 cubic yards Excavation Length 10' Width 7' Depth 3' feet

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

FINAL ANALYTICAL RESULTS: Sample Date Feb 22, 2002 Sample Depth 3' 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 | 18.3 | 96 |
| BOTTOM | <0.005 | <0.005 | <0.005 | <0.015 | <10.0 | 228 | 1020 |

General Description of Remedial Action: Delineated laterally and vertically to find the depth where impact met the NMOCD guidelines. At 3' bgs a compacted clay barrier was installed to slow the migration of any impact left in soil. A water tight junction box was installed and backfilled.

CHLORIDE FIELD TESTS

| LOCATION | DEPTH | Chlorides |
|----------|-----------|-----------|
| N Wall | 1'-3' bgs | 75 |
| E Wall | 1'-3' bgs | 100 |
| S Wall | 1'-3' bgs | 100 |
| W Wall | 1'-3' bgs | 150 |
| B Comp | 3' bgs | 900 |
| W Comp | 1'-3' bgs | 100 |
| | | |
| | | |
| | | |
| | | |

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

DATE February 22, 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
ATTN: CHRIS RODRIGUEZ
122 W. TAYLOR
FAX TO: (505) 397-1471

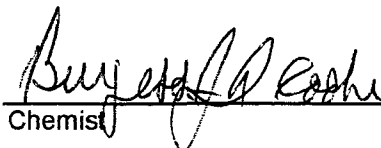
Receiving Date: 03/06/02
Reporting Date: 03/08/02
Project Owner: RICE
Project Name: JCT J-21 BOX UPGRADE
Project Location: B-D

Sampling Date: 02/22/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

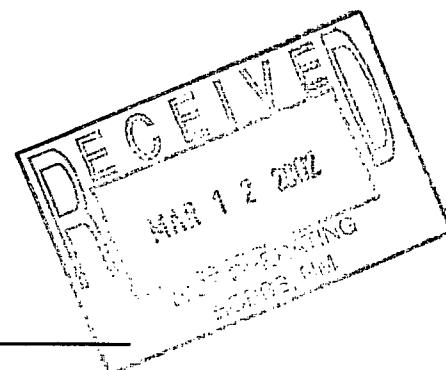
| LAB NUMBER | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/Kg) | DRO (>C ₁₀ -C ₂₈) (mg/Kg) | Cl* (mg/Kg) |
|-----------------------------|--------------|--|--|----------------|
| | | | | |
| ANALYSIS DATE | | 03/07/02 | 03/07/02 | 03/08/02 |
| H6570-1 | WALL COMP. | <10.0 | 18.3 | 96 |
| H6570-2 | BOTTOM COMP. | <10.0 | 228 | 1020 |
| | | | | |
| | | | | |
| | | | | |
| 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; Cl: Std. Methods 4500-ClB

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


Chemist

3/8/02
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.



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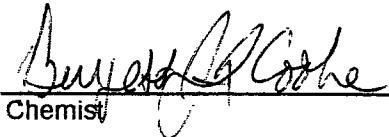
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: CHRIS RODRIGUEZ
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122 W. TAYLOR
FAX TO: (505) 397-1471

Receiving Date: 03/06/02
Reporting Date: 03/08/02
Project Owner: RICE
Project Name: JCT J-21 BOX UPGRADE
Project Location: B-D

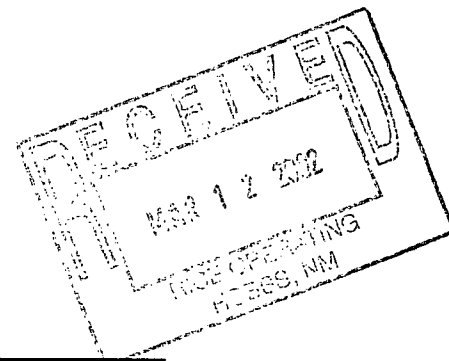
Sampling Date: 02/22/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

| 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 |
| H6570-1 | WALL COMP. | <0.005 | <0.005 | <0.005 | <0.015 |
| H6570-2 | 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


Chemist

3/8/02
Date



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H6570B.XLS

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|--|--|---|--|-------------------------|--|--------------------|--|---|--|---|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|-------------------------------------|--|---|--|
| Company Name: Rice Operating Co. Project Manager: Chris Rodriguez Address: 122 W. Taylor City: Hobbs State: N.M. Zip: 88240 Phone #: (505) 393-9174 Fax #: (505) 397-1471 Project #: Composite Sample Project Owner: Rice Project Name: Jet 1-21 box Upgrade Project Location: B-D Sampler Name: | | BILL TO P.O. #: Company: Rice Attn: Chris Rodriguez Address: 122 W. Taylor City: Hobbs State: N.M. Zip: 88240 Phone #: (505) 393-9174 Fax #: (505) 397-1471 | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. MCS20-1 -2- Wall Camp Bottom Camp | | FOR LAB USE ONLY Sample I.D. | | # CONTAINERS | | (G) RAB OR (C) OMP | | C | | C | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:00 pm 12:00 pm | | TIME 12:00 pm 12:00 pm | | DATE 2/22/02 2/22/02 12:0 | |

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