AP - 67

STAGE 1 & 2 REPORTS

DATE: March 9, 2005

DISCLOSURE

REPORT

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	D-1	D	1	20S	36E	Lea	eliminated--no box		

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

Depth to Groundwater 33 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/1/2004 Date Completed not complete 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** n/a **Sample Depth** n/a

Procure 5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	This is an active project. Final vadose zone samples will be included with the Final Closure Report.			
BOTTOM COMP.				
REMED. BACKFILL				

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical below junction box	7	7079
	8	8065
	9	8632
	10	8513
	11	9233
	12	9097
SOIL BORE 20 ft southwest of former box site	15	8865
	20	4842
	25	3876
	30	1196
	35	1113

General Description of Remedial Action: This junction box site was delineated using a backhoe while PID field screenings and chloride field tests were conducted at regular intervals throughout the 30 x 30 x 12-ft-deep excavation. Chloride concentrations were elevated and were relatively consistent with depth. PID readings were generally low throughout. On 10/25/2004 when the excavation was still open, a leak occurred releasing 205 barrels of produced water; 180 barrels were recovered the same day. A soil bore was initiated on 12/8/2004 to delineate the chloride impact. Chloride was found to impact the vadose zone to 31 ft and a cased 2-inch monitoring well was completed. This well will be sampled quarterly. After the monitoring wells was properly developed and sampled, lab results confirmed groundwater impact. NMOCD was notified of groundwater impact at this site on 1/5/2005. Trident Environmental of Midland, Texas has been contracted by ROC to address environmental concerns at this site with the ultimate objective being final closure.

ADDITIONAL EVALUATION IS *HIGH* PRIORITY

enclosures: monitor well log

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

SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 3/9/2005 TITLE Project Scientist

**** This site is a "DISCLOSURE." It was deemed a high priority site and further environmental investigation is active and current.***

LOG OF BORING
K. Farris Pope
RICE Operating Company

Logger:	Israel Juarez, Mort Bates	**Client:**	**Well ID:**
Driller:	Atkins Engineering Associates, Inc.	RICE Operating Company	
Drilling Method:	4.25 in. Hollow Stem Auger	**Project Name:**	
Start Date:	12/8/2004	jct. D-1 leak	**MW-1**
End Date:	12/8/2004	**Location:**	
Notes:	20 ft southwest of former junction box site TD = 40 ft Groundwater = 31 ft	EME SWD System unit 'D', Sec. 1, T20S, R36E Lea County, NM	

Depth (feet)	Split Spoon chloride	Split Spoon PID	Description
0.0	113	1.6	0 - 4 ft CLAYEY SAND loose, light tan, damp
1.0			
2.0			
3.0			
4.0			
5.0	146	5.2	4 - 11 ft SILTY SAND w/CALICHE reddish tan, damp
6.0			
7.0			
8.0			
9.0			
10.0	484	0.9	
11.0			11 - 22 ft CLAYEY SAND w/CALICHE loose, tan, moist
12.0			
13.0			
14.0			
15.0	8865	0.5	
16.0			
17.0			
18.0			
19.0			
20.0	4842	4.1	
21.0			
22.0			
23.0			22 - 31 ft SILTY SAND w/BROKEN SANDSTONE reddish tan, damp
24.0			
25.0	3876	0.9	
26.0			
27.0			
28.0			
29.0			
30.0	1196	2.1	
31.0			31 - 40 ft POORLY-GRADED SAND soft, tan, wet
32.0			
33.0			
34.0			
35.0	1113	0.9	
36.0			
37.0			
38.0			
39.0			
40.0			

Lithology

lab = 1120 ppm Cl^-

Well Construction

2-in. sch. 40 PVC casing

grout

bentonite seal

sand pack