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## REPORTS

### DATE:



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MAR 2.5 MMP Environmental Bureau Oil Conservation Division

### CLOSURE

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### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOCA	TION				
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX D	MENSIONS	- FEET
Eunice Monument	DCP EOL	C	22	000	075	1.00	Length 6'	Width 4'	Depth 4'
Eumont (EME)			33	20S	37E	Lea	,	eliminated	•
LAND TYPE:	3LM	STATE	FEE LA	NDOWNER	Mill	ard Deck	OTHER		
Depth to Grour	ndwater	100	feet	NMOCD	SITE ASS	ESSMENTI	RANKING S	CORE:	30*
Date Started	9/3/2	2008	Date Cor	mpleted	9/24/2008	OCD	Witness	no	, <del></del>
Soil Excavated	44.4	cubic ya	rds Exc	cavation Ler	ngth <u>10</u>	Width	10	Depth	12fee
Soil Disposed	0	cubic ya	rds Of	fsite Facility	r	/a	Location	n	l/a
		01 II <b>7</b> 0		le Dete 0/			Somalo Do		10 ft

FINAL ANALYTICAL RESULTS:

Sample

Location

4-WALL COMP.

BOTTOM COMP.

BACKFILL COMP.

\*Water well located 200 ft north.

Sample Date 9/9/2008, 9/16/2008

Chloride

mg/kg

400

160

112

DRO

mg/kg

<25.0

<25.0

<25.0

Sample Deptn 12 ft

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

GRO

mg/kg

<25.0

<25.0

<25.0

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations similar to that of the background sample. Organic vapors measured with a PID also vielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. Clean soil was imported and blended on site with the excavated soil. The blended backfill was then returned to the excavation to the ground surface and contoured to the surrounding area. On 9/24/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

PID (field)

ppm

2.9

2.1

3.6

### CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	480
bottom comp.	12'	234
backfill comp.	n/a	390
background	6"	119.
	1'	260
	2'	145
	3'	265
	4'	213
vertical delineation	5'	288 <sup>-</sup>
trench at10 ft	6'	197
south of the	7'	170
junction (source)	8'	112
(000,00)	9'	147
	10'	141
	11'	120
	12'	156

enclosures: photos, lab results, PID field screenings, chloride curve

I HERE	BY CERTIFY THAT	THE INFORMATION ABOVE IS TRUE AND CON KNOWLEDGE AND BELIEF.	MPLETE TO T	HE BEST OF MY
		KNOWLEDGE AND BELLEF.		
SITE SUPERVISOR	Jordan Woodfin	SIGNATURE / Judan Voelin	COMPANY	RICE OPERATING COMPANY
REPORT				
ASSEMBLED BY	Katie Jones	INITIAL KJ		
PROJECT LEADER	Larry Bruce Baker Jr.	SIGNATURE Lany Bruce Bacher Mr.	DATE	1-19-09

## EME DCP EOL

Unit C, Section 33, T20S, R37E



former junction box, facing north





collecting a soil sample, facing east

9/3/2008



blending clean, imported soil with excavated soil

9/24/2008

seeding backfilled site



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: JORDAN WOODFIN 122 W. TAYLOR HOBBS, NM 88240



Receiving Date: 09/09/08 Reporting Date: 09/12/08 Project Number: NOT GIVEN Project Name: EME DCP EOL\*\* Project Location: EME DCP EOL\*\* Sampling Date: 09/09/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: AB/HM

	GRO	DRO	
	(C <sub>6</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE	09/10/08	09/10/08	09/10/08
H15898-1 12FT 5PT BTM COMP.	<25.0	<25.0	160
H15898-2 4 WALL COMP.	<25.0	<25.0	400
			1
Quality Control	588	537	490
True Value QC	500	500	500
% Recovery	118	107	98.0
Relative Percent Difference	17.0	9.4	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B \*Analyses performed on 1:4 w:v aqueous extracts.

\*\*Revised report

1/2/08

H15898 TCL 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Phone # 576)	393- 4174 Fax# 575	5) 39	1-6	-14	124		~	Address:	:ss								)	))	$\Box$	È	$\geq$					
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H15898-1	12FL 5PT BIM COMP	<u>0  </u>	# ~			)			<u> </u>	5	40-6-		5.500	入	$\mathbb{N}$					╉		+	+-			
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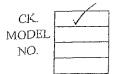
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### RICE OPERATING COMPANY

122 West Tayor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM



MODEL: PGM 7300 MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 590-000183 SERIAL NO: 110-013744 SERIAL NO: 110-12383 SERIAL NO: 110-023920



### GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 5-10-09
FILL DATE: 11-16-09	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
ĒMĒ	DCP EOL	C	33	205	37 <i>E</i>

SAMPLE ID	PID	SAMPLE ID	PID
5pt Btm Comp	21	Hwall comp	2.9
		,	

I verify that I have calibrated the above insrument in accordance to the namufacture operation manual.

hoda wood SIGNATUE:

DATE: 9-5-08



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: DARNELL MITCHELL 122 W. TAYLOR HOBBS, NM 88240

Receiving Date: 09/16/08 Reporting Date: 09/18/08 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: EME DCP EOL

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Sampling Date: 09/16/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: AB/HM

.AB NUMBE	ER 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)
NALYSIS D	DATE	09/17/08	09/17/08	09/17/08
115936-1	BLENDED BACKFILL 5PT	<25.0	<25.0	112
	COMP. 10x10x12			

ANALISISI		09/17/00	09/1//00	09/17/00
H15936-1	BLENDED BACKFILL 5PT	<25.0	<25.0	112
	COMP. 10x10x12			
Quality Cont	irol	452	420	490
True Value (		500	500	500
% Recovery		90.4	84.0	98.0
Relative Per	rcent Difference	10.3	2.8	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B \*Analysis performed on a 1:4 w:v aqueous extract.

Chemist

19/19/08

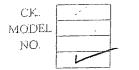
### H15936 TCL RICE

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ARDINAL LABORATORIES		
101 East Marland, Hobbs, NM 88240 (575) 393-2326 Fax (575) 393-2476	Page of	
Company Name: KICE OPERations	EST	Γ
Project Manager: DARNell Mitchell	ļ	Τ
Address: 123 W. TG110R	Company: SAME	
City: M 0 0 05 State: N M ZID: 8 8240	Altn:	
Phone #: Fax #:		
Project #: Project Owner:	City:	
Project Name:	State: Zip:	
Project Location: FME DC P EOL	;# :	
Sampler Name: DCMN EX WACh all	Fax #:	
FOR LAB USE Chart	PRESERV SAMPLING	
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### RICE OPERATING COMPANY

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MODEL: PGM 7300 MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 590-000183 SERIAL NO: 110-013744 SERIAL NO: 110-12383 SERIAL NO: 110-023920



### GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07 3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-08	METER READING ACCURACY: 99.9

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	DCP EOI	C	B3	20 S	37E

SAMPLE ID	PID	SAMPLE ID	PID
BIENDED BACKETH	3.6		
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	<u> </u>		

) verify that J have calibrated the above insrument in accordance to the namufacture operation manual.

SIGNATUE: DOLNER Mitchell

DATE: 9-16-08

CHLORIDE CONCENTRATION CURVE

## RICE Operating Company

# EME DCP EOL

Unit 'C', Sec. 33, T20S, R37E

Backhoe samples at 10 ft south of the junction (source)

[CI]ppm	260	145	265	213	288	197	170	112	147	141	120	156
Depth bgs (ft)	ŀ	2	e	4	5	9	7	8	6	10	11	12

