1R-427-363

REPORTS

DATE: 4-10-12

1 R427-363 RECEIVED OCD 2012 MAY -1 P 1: 50

EME I-35 EOL 2011

DISCLOSURE

RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE* REPORT

Earle Municipal (1987) 1987 1988 1988 36E Lea Le						BOX LOCA	ATION				
LAND TYPE: BLM STATE FEE LANDOWNER Climax Chemical Co. OTHER Depth to Groundwater 46 feat NMOCD SITE ASSESSMENT RANKING SCORE: 40° Date Started 7/29/2011 Date Completed 9/29/2011 OCD Witness No Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet Soil Excavation Length 30 Width 30 Depth 12 feet Soil Disposed None cubic yards Offsite Facility n/a Location n/a Location 1/a Final Location 1/a Location 1/a Location 1/a Final Location 1/a Location		SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY			
LAND TYPE: BLM STATE FEE LANDOWNER Climax Chemical Co. OTHER Dapth to Groundwater 46 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40° Date Started 7/29/2011 Date Completed 9/29/2011 OCD Witness No Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet Soil Excavated None cubic yards Offsite Facility n/a Location n/a FINAL ANALYTICAL RESULTS: Sample Date 8/24/2011 Sample Depth 12° 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. Sample FID (field) GRO DRO Chloride Sample of Market Procure Sample of Sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. Sample FID (field) GRO DRO Chloride Sample of Sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS CHLORIDE FIELD TESTS CHLORIDE FIELD TESTS COATION DEPTH mg/kg 4-wall comp. N/A 982 BOTTOM COMP. 3.6 In 1550 BEENDED BACKFILL 2.2 < <10.0 <10.0 960 Belenated Description of Remedial Action: This junction and line were eliminated during the ipplietine replacement/luggrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples trends in the second on site and representative composite samples of the excavation was backfilled with the remaining blanched backfill was returned to the excavation to a depth of 5rt BGS. On 8/28/2011, a 29-mil reinforced plastic tiner was installed at 5 ft. BGS and the beackfill was returned to the excavation to a depth of 5rt BGS. On 8/28/2011, a 29-mil reinforced plastic tiner was installed at 5 ft. BGS and the excavation was backfilled with the remaining blanched backfill was returned to the excavation to a depth of 5rt BGS. On 8/28/2011, a 29-mil reinforced plastic tiner was install			I-35 EOL	I	35	198	36E	Lea	Length	<u></u>	Depth
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Location ppm mg/kg mg/kg mg/kg mg/kg mg/kg 4-WALL COMP. 4.4 < 10.0 10.8 1,550 BOTTOM COMP. 3.6 < 10.0 25.3 1,200 bottom comp. 12' 954 blended backfill N/A 691 BLENDED BACKFILL 2.2 < 10.0 < 10.0 960 blended backfill N/A 691 background 6" 87 General Description of Remedial Action: This junction and line were 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 30x30x12-ft excavation. Chloride field tests performed on each sample yielded elevated concentrations that did not relent with depth. Organic 10' 1,596 vapors were measured using a PID which yielded low concentrations. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation was backfill wer sent to a commercial laboratory for analysis of chloride and TPH. The blended backfill wers returned to the excavation to a depth of 5-ft BGS. On 9/28/2011, a 20-mil reinforced plastic liner was installed at 5 ft. BGS and the excavation was backfilled with the remaining blended soil to ground surface and contoured to the surrounding area. On 9/29/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 2/15/2012. **Stock tank and windmill located 474 ft southeast** **ADDITIONAL EVALUATION IS HIGH PRIORITY** enclosures: phases fab results, PID (field) screenings, cross-section, chloride curve, revegetation form the productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 2/15/2012. **Stock tank and windmill located 474 ft southeast** **ADDITIONAL EVALUATION IS HIGH PRIORITY** enclosures: phases fab results, PID (field) screenings, cross-section, chloride curve, revegetation form the survey of the priority of the priori									CHLO	RIDE FIELD T	ESTS
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General Description of Remedial Action: This junction and line were 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 30x30x12-ft excavation. Chloride field tests performed on each sample yielded elevated concentrations that did not relent with depth. Organic vapors were measured using a PID which yielded low concentrations. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation walls, and the blended backfill were sent to a commerical laboratory for analysis of chloride and TPH. The blended backfill was returned to the excavation to a depth of 5-ft BGS. On 9/28/2011, a 20-mil reinforced plastic liner was installed at 5 ft. BGS and the excavation was backfilled with the remaining blended soil to ground surface and contoured to the surrounding area. On 9/29/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 2/15/2012. *Stock tank and windmill located 474 ft southeast ADDITIONAL EVALUATION IS HIGH PRIORITY enclosures: photos lab results, PID (field) screenings, cross-section, chloride curve, revegetation form the priority and company. I HEREBY CERTIFY THAT THE INFORMATION ABOVES TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Oscar Frayre SIGNATURE ASSEMBLED BY Laura Peña SIGNATURE ASSEMBLED BY Laura Peña SIGNATURE ACCOMPANY RICE OPERATING COMPANY RICE OPERATING COMPANY	BLE	NDED BACKFIL	L 2.2	<1	10.0	<10.0	960	! L	blended backfill	N/A	691
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seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 2/15/2012. *Stock tank and windmill located 474 ft southeast ADDITIONAL EVALUATION IS HIGH PRIORITY enclosures: photos fab results, PID (field) screenings, cross-section, chloride curve, revegetation form I HEREBY CERTIFY THAT THE INFORMATION ABOVE STRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF SITE SUPERVISOR Oscar Frayre SIGNATURE REPORT ASSEMBLED BY Laura Peña SIGNATURE AULTA COMPANY RICE OPERATING COMPANY											
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ADDITIONAL EVALUATION IS HIGH PRIORITY enclosures: photos ab results, PID (field) screenings, cross-section, chloride curve, revegetation form I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF SITE SUPERVISOR Oscar Frayre SIGNATURE REPORT ASSEMBLED BY Laura Peña SIGNATURE Laura Peña SIGNATURE COMPANY RICE OPERATING COMPANY											
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I HEREBY CERTIFY THAT THE INFORMATION ABOVE STRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF SITE SUPERVISOR OSCAR Frayre SIGNATURE REPORT ASSEMBLED BY Laura Peña SIGNATURE SIGNATURE ASSEMBLED BY Laura Peña SIGNATURE COMPANY RICE OPERATING COMPANY	-			·			<u> </u>	`	cross-section.	chloride curve. i	evegetation form
REPORT ASSEMBLED BY Laura Peña SIGNATURE AUVA FINA COMPANY RICE OPERATING COMPANY	IHER	EBY CERTIFY T	HAT THE IN	FORMATIO			<u>!</u>				
ASSEMBLED BY Laura Peña SIGNATURE ALLA TENCHON COMPANY RICE OPERATING COMPANY	SITE S	UPERVISOR	Oscar Fray	re SI	GNATURE				7		
PROJECT LEADER Zach Conder SIGNATURE DATE 4-10-12		REPORT ()									
	PROJE	ECT LEADER	Zach Cond	er Slo	GNATURE	3/			DATE	4-10	-12

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

EME I-35 EOL

Unit I, Section 35, T19S, R36E



Site prior to excavation, facing east

7.29.11



Excavating site, facing west

8.22.11



Collecting sample, facing east

8.24.11



Backfilling site, facing north

9.27.11



Installing liner, facing northwest

9.28.11



Seeding site, facing east

9.29.11



August 29, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME I-35 EOL

Enclosed are the results of analyses for samples received by the laboratory on 08/24/11 16:15.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524,4

Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

COPY



Analytical Results For:

Rice Operating Company Hack Conder 112 W. Taylor Hobbs NM, 88240

Fax To:

(575) 397-1471

Received: Reported: 08/24/2011

08/29/2011

Project Name:

EME I-35 EOL NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

08/24/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: 5 PT. BTM COMP (H101795-01)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM				·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	25.3	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane	87.3	% 55.5-15	:4						
Surrogate: 1-Chlorooctadecane	93.9	% 57.6-15	8						

Sample ID: BLENDED BACKFILL (H101795-02)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ab					·····
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	<10.0	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane	88.0	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	95.8	% 57.6-13	8						



Cardinal Laboratories

*=Accredited Analyte

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 detended 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 ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This

Celegio Keena

Celey D. Keene, Lab Director/Quality Manager





Analytical Results For:

Rice Operating Company Hack Conder 112 W. Taylor

Hobbs NM, 88240

Fax To:

(575) 397-1471

Received:

08/24/2011

Sampling Date:

08/24/2011

Reported:

08/29/2011

Sampling Type:

Soil

Project Name:

EME I-35 EOL

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

Sample Received By:

Jodi Henson

NOT GIVEN

Sample ID: 4 WALL COMP (H101795-03)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	10.8	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane	89.7	% 55.5-15	i4						

Surrogate: 1-Chlorooctadecane

97.9 %

57.6-158



Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kenne

Celey D. Keene, Lab Director/Quality Manager





Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report



Cardinal Laboratories

*=Accredited Analyte

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Celey Li Keene





Laboratories

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Company Name: BILL TO ANALYSIS REQUEST Hack Concret Project Manager: P.O. #: Address: 127. W Taylor
City: 17066 s Company: Attn: Address: Project #: Project Owner: City: Project Name: State: Project Location: 1514 E I - 35 EOL Sampler Name: 100 CT Egans Phone #: Fax#: FOR LAB USE ONLY PRESERV SAMPLING SLUDGE
OTHER:
ACID/BASE:
ICE/COOL
OTHER: Lab I.D. Sample I.D. H101795 DATE 44611 Composite PLEASE NOTE: Claudity and transged. Controlle hyphry and there's excessive remery has any claim arising whether breakful contract or test, shall be instead to the animoni paid by the client for th service. In no event shall Cardnul be hable, for groupental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subaidfaries, Relinquished By: Phone Result: Delivered Ev: (Circle Ons) Sample Condition Cool Intact
Yes Yes
No No Sampler - UPS - Bus - Other:

RICE ENVIRONMENTAL CONSULTING & SAFETY

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

CK.		MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL		MODEL: PGM 7300	SERIAL NO: 590-000504
NO.		MODEL: PGM 7320	SERIAL NO: 592-903318
		MODEL: PGM 7300	SERIAL NO: 590-000183
	X	MODEL: PGM 7300	SERIAL NO: 590-001413
		GAS COMPOSITION	: ISOBUTYLENE 100PPM / AIR: BALANCE
LOT NO	:245-100-1		EXPIRATION DATE: 7-1-2011
		METER RI	EADING ACCURACY: 100 PPM,
ACCURA	ACY: +/- 2%		

COMPANY

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	I-35 EOL	I	35	198	36E

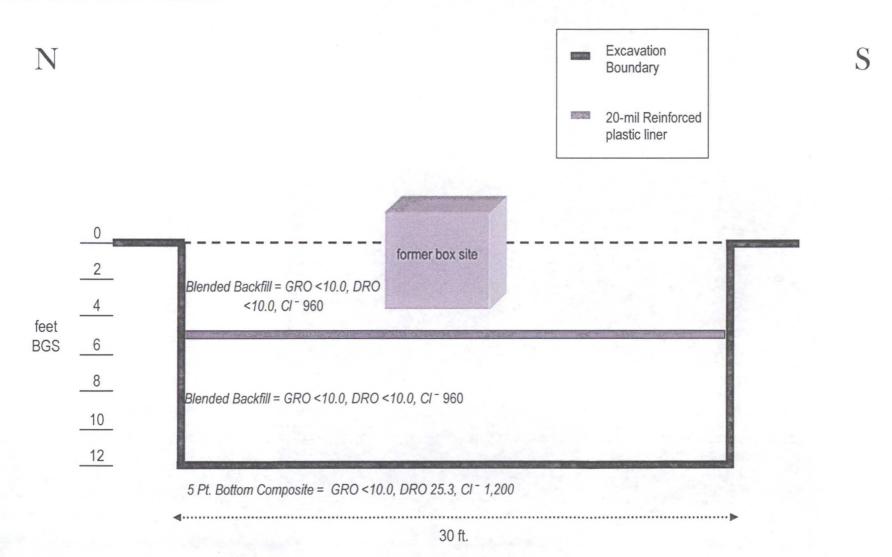
SAMPLE ID	PID	SAMPLE ID	PID
5PT. BOTTOM COMPOSITE	3.6		
4- WALL COMPOSITE	4.4		
BLENDED BACKFILL	2.2		
			2/1
	<u> </u>		}

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

SIGNATURE: Plakest Estimates

DATE: 8/24/2011

Excavation Cross-Section

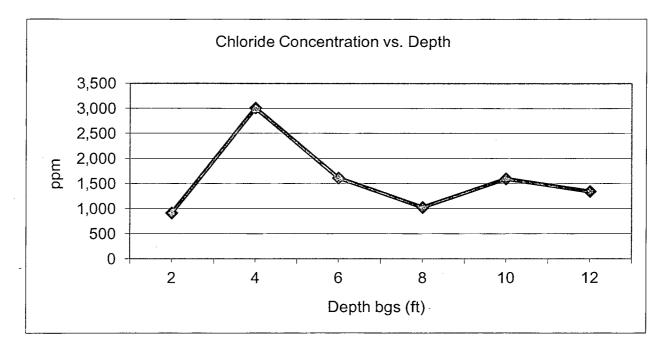


EME I-35 EOL

Unit 'I', Sec. 35, T19S, R36E

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

Depth bgs (ft)	[Cl] ppm
2	915
4	3,009
6	1,614
8	1,026
10	1,596
12	1,345



Groundwater = 46 ft



PO Box 5630 Hobbs, NM 88241 Phone: (575) 393-4411 Fax: (575) 393-0293

REVEGETATION FORM

1. General Information Site name: EME I-35 EOL U/LSection Township Range County Latitude Longitude **T19S R36E** 35 Lea 32° 36.762' 103° 19.069' Contact Name: Bruce Baker Email: bbaker@rice-ecs.com Site size: square feet: Map detail of site attached Additional information: 2. Soils *Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed. Salvaged from site X Bioremediated Imported Blended X Depth (in): Describe soil & subsoil: Texture: Soil prep methods: Rip Depth(in): Disc 🗌 Depth (in): Rollerpack [Date completed: 9/29/2011 3. Bioremediation Hay 🗌 Fertilizer Other \square Type: Describe: Lbs/acre: *Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R. 4. Seeding Prescribed mix Seeding date: Custom seed mix Seed mix name: 12 lbs. blue grama and 9/29/2011 side oats mix Broadcast 212 lbs of blue grama and side oats mix. Method: broadcast spreader Soil conditions during seeding: Dry 🛛 Damp [Wet [Photos attached X Observations: Number of photos: 5. Certification I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief. Name: Oscar Frayre Title: Environmental Tech 9/29/2011 Date: Signature:

