

1R - 427-366

REPORTS

DATE:

4-17-12

1R427-366

RECEIVED OOD

2012 MAY -1 P 1:50

EME Jct. G-14

2011

DISCLOSURE

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

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Jct. G-14	G	14	20S	36E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmie T. Cooper OTHER _____

Depth to Groundwater 20 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40*

Date Started 5/7/2011 Date Completed 8/1/2011 OCD Witness No

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 912 cubic yards Offsite Facility C & C Landfarm Location Monument, NM

FINAL ANALYTICAL RESULTS: Sample Date 5/21/2011, 7/20/2011 Sample Depth 12'

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	PID (field) ppm	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.	104	<0.200	0.218	<0.200	1.45	<50.0	980	<16
BOTTOM COMP.	296.8	<0.200	0.488	0.391	2.32	118	2,450	<16
IMPORTED SOIL								<16

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 creating a 30X30X12-ft. deep excavation. Chloride field test performed on each sample yielded concentrations similar to that of the background sample. Organic vapors were measured using a PID, which yielded elevated concentrations. Representative samples were collected from the bottom of the excavation and excavation walls. The samples were sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated soil was properly disposed of at a NMOCD approved facility. Clean imported soil was used to backfill the excavation to a depth of 5 ft. BGS. On 7/26/2011, a 20-mil reinforced plastic liner was installed at 5 ft. BGS and the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 11/3/2011, 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 3/13/2012.

*Stock tank located 900 ft southeast

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	121
bottom comp.	12'	124
background	6"	59
vertical delineation trench 15' east of source	2'	83
	4'	83
	6'	60
	8'	84
	10'	85
	12'	88

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab 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 

PROJECT LEADER Zach Conder SIGNATURE 

COMPANY RICE OPERATING COMPANY

DATE 4-12-12

in a prioritized list of similar sites for further consideration.

EME Jct. G-14

Unit G, Section 14, T20S, R36E



Excavating the site, facing west

5.7.11



Collecting sample, facing southeast

5.19.11



Exporting soil, facing northwest

7.6.11



Importing soil, facing north

7.25.11



Installing 30 x 30 20-mil reinforced liner at 5-ft. BGS, facing south 7.26.11



Backfilling site with imported soil, facing north 7.26.11



Seeding site, facing west 11.3.11



Site complete, facing southeast 11.3.11



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 25, 2011

Bruce Baker
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: EME JCT. G-14

Enclosed are the results of analyses for samples received by the laboratory on 05/23/11 15:15.

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 Hydrocarbons

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

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink, appearing to read "C. D. Keene", written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager

COPY

Analytical Results For:

 Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 05/23/2011
 Reported: 05/25/2011
 Project Name: EME JCT. G-14
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/21/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 4 WALL COMPOSITE (H101045-01)

BTEX 8021B			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/24/2011	ND	2.16	108	2.00	1.14	
Toluene*	0.218	0.200	05/24/2011	ND	2.06	103	2.00	1.29	
Ethylbenzene*	<0.200	0.200	05/24/2011	ND	2.11	106	2.00	0.484	
Total Xylenes*	1.45	0.600	05/24/2011	ND	6.27	105	6.00	1.62	

Surrogate: 4-Bromofluorobenzene (PIL) 96.0 % 70-130

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2011	ND	448	112	400	0.00	

TPH 8015M			mg/kg		Analyzed By: AB				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/24/2011	ND	216	108	200	0.355	
DRO >C10-C28	980	50.0	05/24/2011	ND	188	93.8	200	1.10	

Surrogate: 1-Chlorooctane 114 % 70-130

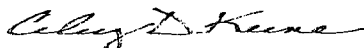
Surrogate: 1-Chlorooctadecane 101 % 70-130

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 05/23/2011
 Reported: 05/25/2011
 Project Name: EME JCT. G-14
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/21/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. BTM COMP (H101045-02)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/24/2011	ND	2.16	108	2.00	1.14	
Toluene*	0.488	0.200	05/24/2011	ND	2.06	103	2.00	1.29	
Ethylbenzene*	0.391	0.200	05/24/2011	ND	2.11	106	2.00	0.484	
Total Xylenes*	2.32	0.600	05/24/2011	ND	6.27	105	6.00	1.62	

Surrogate: 4-Bromofluorobenzene (PIL) 91.8 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	118	50.0	05/24/2011	ND	216	108	200	0.355	
DRO >C10-C28	2450	50.0	05/24/2011	ND	188	93.8	200	1.10	

Surrogate: 1-Chlorooctane 125 % 70-130

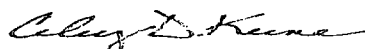
Surrogate: 1-Chlorooctadecane 112 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

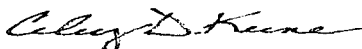
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By:		Date: 5/23/11 10:22-10	Received By: Gadi Benson	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: 3:15		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Date:	Received By:	REMARKS:	
Sampler - UPS - Bus - Other:		Time:		email results	
		Sample Condition	CHECKED BY:	Zconder@rice-ecs.com; Bbaker@rice-ecs.com;	
		Cool Intact	(Initials)	hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		<input type="checkbox"/> No <input type="checkbox"/> No			

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

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
☐ MODEL: PGM 7600 SERIAL NO: 110-013744

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 930360	EXPIRATION: 5/24/2013
METER READING ACCURACY: 100 ppm	

ACCURACY : +/- 2%

COMPANY
Rice Operating Company

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	JCT G-14	G	14	20S	36E

SAMPLE ID	PID	SAMPLE ID	PID
Bottom 5 Point Composite	296.8		
4 Wall Composite	104		

COPY

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

SIGNATURE:

Doyle

DATE: 5/21/2011



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 03, 2012

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

RE: EME JUNCTION G-14

Enclosed are the results of analyses for samples received by the laboratory on 07/20/11 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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 (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Rice Operating Company
Hack Conder
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 07/20/2011
Reported: 02/03/2012
Project Name: EME JUNCTION G-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: IMPORTED SOIL (H101514-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/21/2011	ND	448	112	400	3.51		

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*=Accredited Analyte

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager

Notes and Definitions

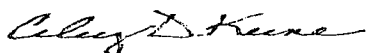
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

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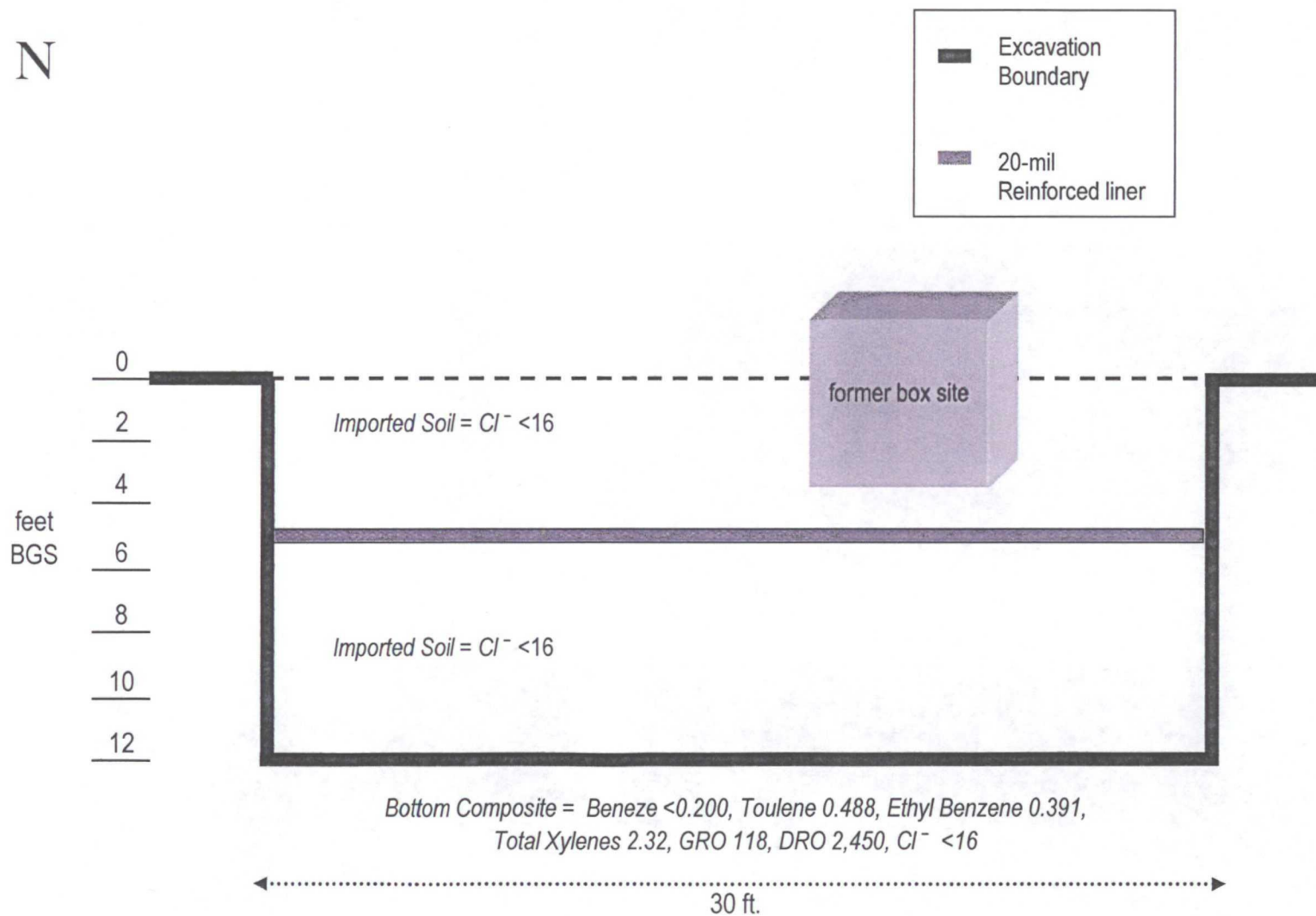
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

EME Jct. G-14
Unit 'G', Sec. 14, T20S, R36E

Excavation Cross-Section

N

S



CHLORIDE CONCENTRATION CURVE

RICE Operating Company

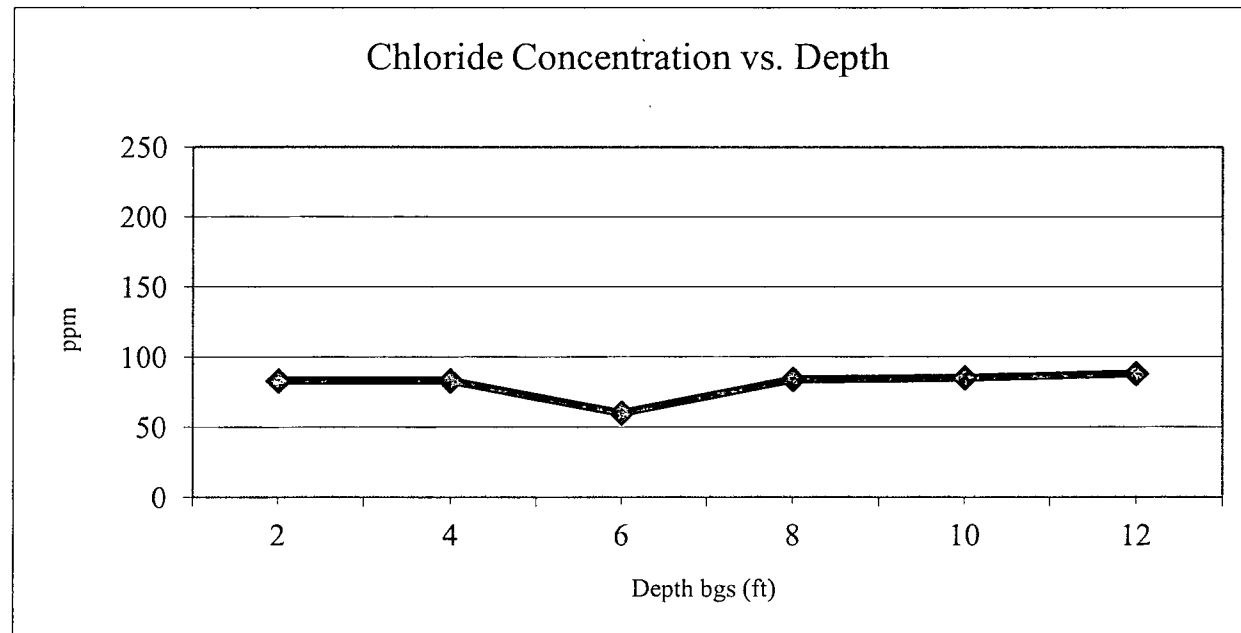
EME Jct. G-14

Unit 'G', Sec. 14, T20S, R36E

Backhoe samples 15' east of source

Depth bgs (ft)	[Cl] ppm
2	83
4	83
6	60
8	84
10	85
12	88

Groundwater = 20 ft





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

REVEGETATION FORM

1. General Information

Site name: EME JCT G-14						
U/L G	Section 14	Township 20	Range 36	County LEA	Latitude 32° 34.563'	Longitude 103° 19.481'
Contact Name: Z. CONDER						
Email: zconder@rice-ecs.com						
Site size: 37,548 square feet			Map detail of site attached <input checked="" type="checkbox"/>			
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input checked="" type="checkbox"/>	Blended <input type="checkbox"/>	Depth (in):
Texture:		Describe soil & subsoil: Sandy with caliche subsoil		
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 8/1/2011				

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type: n/a		Describe:
Lbs/acre:		

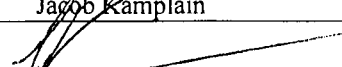
4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: Blue Grama 38lbs	Seeding date: 11/3/2011
Broadcast <input checked="" type="checkbox"/>			
Method: seed spreader			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input type="checkbox"/>	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: Jacob Kamplain	Title: Environmental Specialist	Date: 11/3/2011
Signature: 		

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