

1R - 427-365

REPORTS

DATE:

4-10-12

1R427-365

RECEIVED OCD

2012 MAY -1 P 1:50

EME Jct. C-13

2011

DISCLOSURE

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

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length 4'	Width 3'	Depth 3'
Eunice Monument Eumont (EME)	Jct. C-13	C	13	20S	36E	Lea	Eliminated		

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

Depth to Groundwater 31 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/4/2011 Date Completed 8/31/2011 OCD Witness No

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

Soil Disposed 204 cubic yards Offsite Facility C&C Landfarm & Sundance Services, Inc. Location Monument, NM & Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 8/12/2011, 8/30/2011 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 Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	1.8	<10.0	<10.0	992
BOTTOM COMP.	1.5	<10.0	<10.0	960
BLENDED BACKFILL	0.9			288

CHLORIDE FIELD TESTS

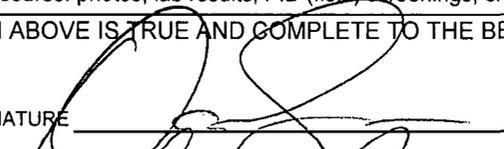
LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	707
bottom comp.	12'	561
blended backfill	N/A	591
background	6"	56
vertical delineation trench at 10' south of source	2'	58
	4'	1,505
	6'	1,265
	8'	1,447
	10'	616
	12'	1,110

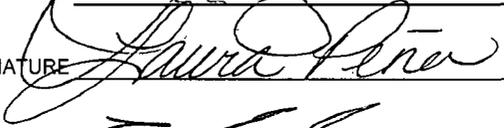
General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x30x12-ft excavation. Chloride field 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. Representative composite samples were collected from the excavation bottom and excavation walls and sent to a commercial laboratory for analysis of chloride and TPH. Approximately 204 cubic yards of excavated soil was properly disposed of at an NMOCD approved facility. The remaining excavated soil was blended with clean imported soil and a composite sample was sent to a commercial laboratory for analysis of chloride and TPH. The blended backfill was returned to the excavation to a depth of 5-ft BGS. On 8/30/2011, a 20-mil reinforced 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 8/31/2011, 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 groundwater impact on 3/13/2012.

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  COMPANY RICE OPERATING COMPANY

PROJECT LEADER Zach Conder SIGNATURE  DATE 4-10-12

EME Jct. C-13

Unit C, Section 13, T20S, R36E



Excavating the former junction box, facing south
8.8.11



Collecting a soil sample, facing north
8.30.11



Excavation prior to installation of plastic liner up to
5-ft. BGS, facing west
8.30.11



Installing a 30x30-ft., 20-mil reinforced liner at 5-ft.
BGS, facing east
8.30.11



Backfilling site above liner, facing north
8.30.11



Seeding site, facing west
8.31.11

August 18, 2011

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EME JCT. C-13

Enclosed are the results of analyses for samples received by the laboratory on 08/12/11 16:07.

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.

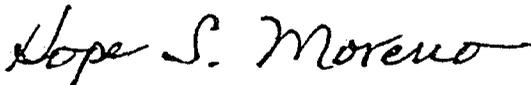
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Hope Moreno

Inorganic Technical Director

COPY

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/12/2011	Sampling Date:	08/12/2011
Reported:	08/18/2011	Sampling Type:	Soil
Project Name:	EME JCT. C-13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: 5 PT BTM COMP (H101705-01)

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	08/15/2011	ND	416	104	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	<10.0	10.0	08/16/2011	ND	205	102	200	0.954		
DRO >C10-C28	<10.0	10.0	08/16/2011	ND	180	90.0	200	0.324		
Surrogate: 1-Chlorooctane	105 %	70-130								
Surrogate: 1-Chlorooctadecane	115 %	70-130								

Sample ID: 4 WALL COMP (H101705-02)

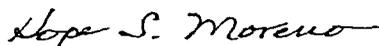
Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	08/15/2011	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/16/2011	ND	205	102	200	0.954		
DRO >C10-C28	<10.0	10.0	08/16/2011	ND	180	90.0	200	0.324		
Surrogate: 1-Chlorooctane	103 %	70-130								
Surrogate: 1-Chlorooctadecane	107 %	70-130								



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 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 the 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.



Hope Moreno, Inorganic Technical Director

Notes and Definitions

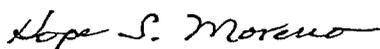
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on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

COPY

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 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 the 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.



Hope Moreno, Inorganic Technical Director



September 01, 2011

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

RE: EME JCT C-13

Enclosed are the results of analyses for samples received by the laboratory on 08/30/11 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 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,

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: 08/30/2011
 Reported: 09/01/2011
 Project Name: EME JCT C-13
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/30/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H101843-01)

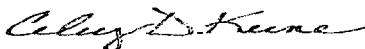
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/31/2011	ND	416	104	400	3.77	

COPY

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 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 the 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.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

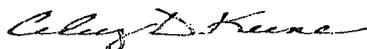
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on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

COPY

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 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 the 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.



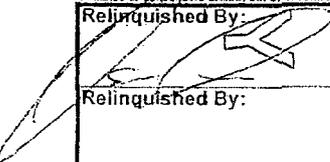
Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Zucc</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Harold Condon</u>		P.O. #:													
Address: <u>1322 W. Taylor</u>		Company:													
City: <u>Hobbs</u>	State: <u>NM</u>	Zip: <u>88240</u>	Attn:												
Phone #:	Fax #:	Address:													
Project #:	Project Owner:		City:												
Project Name:		State:	Zip:												
Project Location: <u>EMERSET C-13</u>		Phone #:													
Sampler Name: <u>OSCAR FRAYNE</u>		Fax #:													
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RABOR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME	
<u>H101413</u>	<u>Blended Rockfill</u>	<u>6</u>	<u>1</u>			<u>X</u>							<u>8-30-11</u>	<u>2:30</u>	<u>Y</u>

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 the client for the 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 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 users 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.

Relinquished By: 	Date: <u>8-30-11</u> Time: <u>4:15</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>LFH</u>	
REMARKS: <u>OFRAYNE@PCE-ecs.com; H-Condon@PCE-ecs.com;</u> <u>K-Tones@PCE-sud; B-BAKER@PCE-ecs.com;</u> <u>T-Condon@PCE-ecs.com; L-Vinkhimer@PCE-ecs.com</u>				

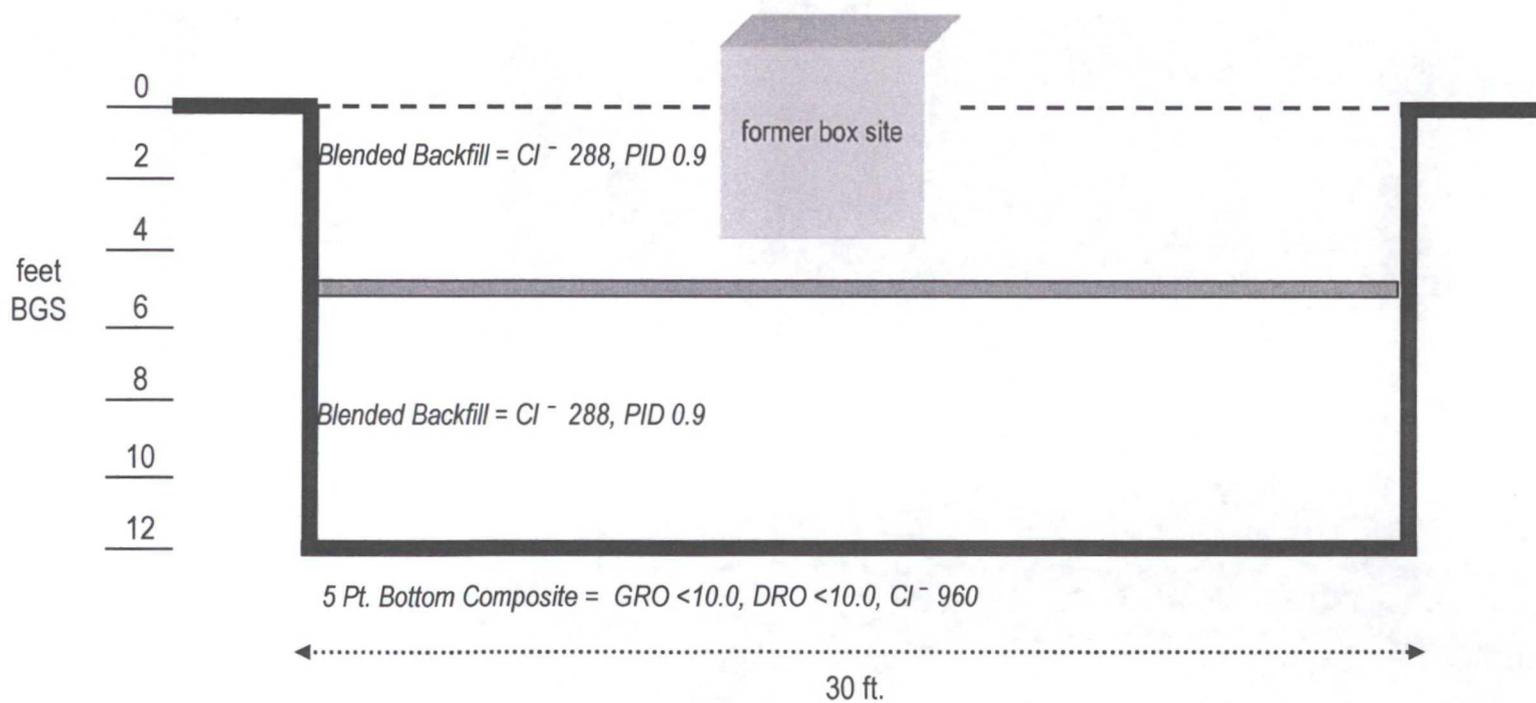
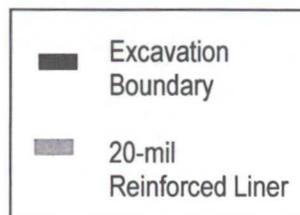
#26

EME Jct. C-13
Unit 'C', Sec. 13, T20S, R36E

Excavation Cross-Section

N

S

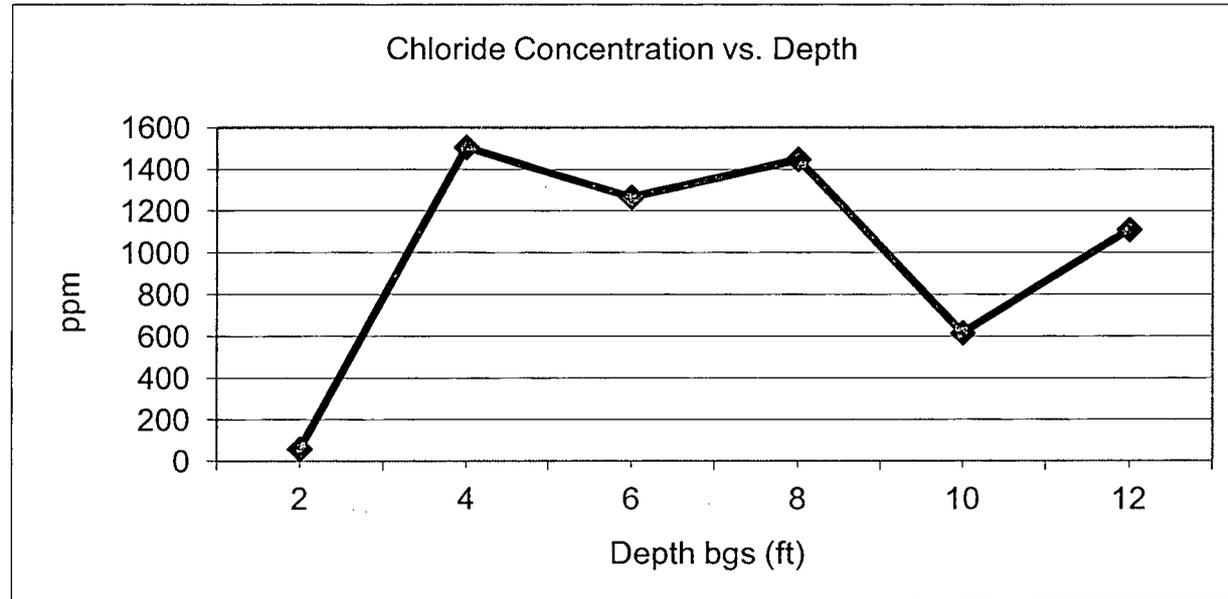


EME Jct. C-13

Unit 'C', Sec. 13, T20S, R36E

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

Depth bgs (ft)	[Cl ⁻] ppm
2	58
4	1,505
6	1,265
8	1,447
10	616
12	1,110



Groundwater = 31 ft



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

VEGETATION FORM

1. General Information

Site name: EME C-13 JCT						
U/L C	Section 13	Township 20S	Range 36E	County Lea	Latitude 32° 34.649'	Longitude 103°18.696'
Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size: 15,367		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 checked="" type="checkbox"/>	Depth (in):
Texture: Sandy		Describe soil & subsoil: Blow sand and subsoil caliche		
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed:				

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:	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 checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: Sandy Mix Grass Seed	Seeding date: 8/31/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Hand Broadcast			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>	Observations: 15 lbs of sandy mix		
Number of photos: 11			

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.	Date: 8/31/2011
Signature:		

COPY