1R-427-364

WORKPLANS

Date: 6-5-12



Infrastructure, environment, buildings RE(E|VED|OCD)

2012 JUN 11 P 1:50

Sent Certified Mail Return Receipt No. 7002 2410 0001 5813 3982

Mr. Ed Hansen New Mexico Energy, Minerals, & Natural Resources Dept. Oil Conservation Division, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

Subject:

INVESTIGATION & CHARACTERIZATION PLAN (ICP) EME I-7 EOL Unit I, SEC. 7, T19S, R37E, Monument, Lea County, New Mexico NMOCD Case #: 1R427-364

Mr. Hansen:

RICE Operating Company (ROC) has retained ARCADIS U.S., Inc. (ARCADIS) to address potential environmental concerns at the above-referenced site.

ROC is the service provider (agent) for the EME SWD System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis. Environmental projects of this nature require System Party AFE approval prior to work commencing at the site. In general, project funding is not forthcoming until NMOCD approves the work plan. Therefore, your timely review of this submission is greatly appreciated.

For all such environmental projects, ROC will choose the path forward that:

- Protects public health;
- Provides the greatest net environmental benefit;
- Complies with NMOCD rules; and
- Is supported by good science.

Each site shall generally have three submissions:

- 1. This <u>Investigation and Characterization Plan</u> (ICP) is proposed for gathering data and site characterization and assessment.
- 2. Upon evaluating the data and results from the ICP, a recommended remedy will be submitted in a <u>Corrective Action Plan</u> (CAP), if warranted.

ARCADIS U.S., Inc. 1004 North Big Spring Street Suite 300 Midland Texas 79701 Tel 432.687.5400 Fax 432.687.5401 www.arcadis-us.com

Environmental

Date: June 7, 2012

Contact: Sharon Hall

Phone: 432.687.5400

Email: sharon.hall@arcadis-us.cor

Our ref: MT001107.0001

ARCADIS U.S., Inc. TX Engineering License # F-533

ARCADIS

3. Finally, after implementing the remedy, a <u>Termination Request</u> with final documentation will be submitted.

Background and Previous Work

The site is located approximately five miles northwest of Monument, New Mexico as shown on the Site Location Map. Groundwater at the site occurs at a depth of approximately 35 feet below ground surface (bgs). The junction box was eliminated and initial delineation was conducted from February 15th through May 12th, 2011.

A backhoe was used to excavate soils from an excavation measuring 10 feet by 10 feet by 12 feet deep around the former junction box. Soil samples were collected at regular intervals and analyzed in the field for chlorides using field-adapted Standard Method 4500-Cl⁻B and screened in the field using a photoionization detector (PID).

A five-point wall composite sample was collected from each of the four walls and combined to make a representative four-wall composite sample, and a five-point composite sample was collected from the bottom of the excavation and submitted to Cardinal Laboratories for gasoline range organics (GRO), diesel range organics (DRO) and chloride analysis. DRO was detected at a concentration of 144 milligrams per kilogram (mg/kg) in the four-wall composite sample and 46.8 mg/kg in the five-point bottom composite sample. Chlorides were detected at a concentration of 496 mg/kg in the four-wall composite sample and 48 mg/kg in the five-point composite bottom sample. GRO was not detected in either of the samples.

Based on the results of the soil sampling analytical results, elevated hydrocarbon concentrations are present at the subject site.

Approximately 96 cubic yards of excavated soil was disposed at a NMOCD approved facility. The excavation was backfilled with clean imported soil to ground surface and the area was contoured to the surrounding landscape.

ROC disclosed potential groundwater impact at the site to New Mexico Oil Conservation Division (NMOCD) via e-mail on April 9th, 2012. A disclosure report was submitted to NMOCD in the 2011 junction box closures and disclosures (Appendix A).

ROC proposes additional investigative work at the site to determine if there is a potential for hydrocarbon impacts to groundwater.

ARCADIS

Proposed Work Elements

- Conduct vertical and lateral delineation of residual soil chlorides and hydrocarbons from samples taken using a drilling rig, hand auger, and/or backhoe.
 - a) Vertical sampling will be conducted until the following criteria are met in the field:
 - Three samples in which the chloride concentration decreases and the third sample has a chloride concentration of ≤250 mg/kg; and,
 - ii) Three samples in which PID readings decrease and the third sample has a PID reading of ≤100 ppm; or,
 - iii) The sampling reaches the capillary fringe.
 - b) Lateral sampling will be conducted until the following criteria are met in the field:
 - i) A decrease is observed in chloride concentrations between lateral bores at similar depths; and,
 - ii) A chloride reading of ≤250 mg/kg is observed in a lateral surface sample; or,
 - iii) Safety concerns impede further lateral delineation.
- If warranted, install a monitor well to provide direct measurement of the potential groundwater impact at the site. (All monitor wells will be installed by EPA, NMOCD and industry standards.)
- 3) Evaluate the risk of groundwater impact based on information obtained.

If the evaluation of the site shows no potential impact to groundwater from residual chlorides and TPH, only a vadose zone remedy will be undertaken. However, if groundwater shows impact from residual chlorides, a CAP will be developed to address these concerns.

Thank you for your consideration concerning this proposed ICP. If you have any questions, do not hesitate to contact Hack Conder or me.

ARCADIS

Sincerely,

ARCADIS U.S., Inc.

Shan E. Hay

Sharon E. Hall Associate Vice President

Copies: Hack Conder, ROC

Attachments:

Site Location Map Appendix A- Junction Box Disclosure Report

> Page: 4/4

Site Location Map



RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNT	Y BOX DI	MENSIONS - F	EET
Eunice Monument	I-7 EOL	1	7	19S	37E	Lea	Length	Width	Depth
								J	
LAND TYPE: E	BLM	STATE X	. FEE LA	NDOWNER					<u>_</u> _
Depth to Groun	ndwater	35	feet	NMOCD	SITE ASSI	ESSMEN	T RANKING S		40**
Date Started	2/15	/2011	Date Co	mpleted	5/12/2011	00	D Witness	No	
Soil Excavated	44.4	cubic ya	rds Exc	cavation Le	ength <u>10</u>	Wi	dth10	Depth1	12feet
Soil Disposed	96	cubic ya	rds Of	fsite Facility	C&CL	.andfarm	Location	Monume	nt, NM
FINAL ANALYTI	CAL RE	SULTS:	Sample	e Date	3/23/201	1	Sample De	pth	12'
. Pr an	ocure 5-po d Chloride I	int composit aboratory te	te sample of est results co pursu	f bottom and ompleted by ant to NMO	4-point cor using an ap CD guidelin	nposite s oproved la es.	ample of sidew ab and testing p	alls. TPH rocedures	
Sample	PID (fi	eld) G	RO	DRO	Chioride		CHLOF	RIDE FIELD TE	ESTS
Location	ppn	n m	g/kg	mg/kg	mg/kg	[LOCATION	DEPTH	mg/kg
4-WALL COMP.	1.7	<	0.0	144	496	Ľ	background	6*	145
BOTTOM COMP.	2.1	<	0.0	46.8	48		4-WALL Comp	n/a	233
BLENDED BACKFILI	L 0.2	<{	50.0	276	112	[Bottom Comp	12'	211
			N . (1) S . (Blended Backfill	n/a	209
General Description	of Remedi	al Action:	This junction	h box and line	were	Γ		1'	152
eliminated during the pip	eline replace	ement/upgrad	de program.	After the form	ner junction			2'	148
box was removed, an inv	vestigation w	as conducter	d using a bac	khoe to colle	ct soil			3'	155
samples at regular interv	als producir	g a 10x10x1	2 ft deep exc	avation. Chlo	ride field			4'	148
tests were performed or	soil sample	s which yield	ed low chloric	le. Organic v	apors were		Vertical	5'	140
measured using a PID w	hich yielded	low concentr	ations. The	excavated so	il was		delineation	6'	137
blended on site and repr	esentative c	omposite sar	nples of the e	excavation bo	ttom, the		trench at the	7'	147
excavation walls and the	blended ba	ckfill were se	nt to a comm	ercial laborate	orv for		(source)	8'	151
analysis of chloride and	TPH. Samo	le analvsis st	nowed TPH o	oncentrations	above		(//	9'	147
NMOCD guidelines. A to	tal of 94 var	ds of excaval	ted soil was n	roperly dipos	ed of at a	—		10'	138
NMOCD approved dispo	sal facility. T	he excavatio	n was backfil	led with clear	imported	[11'	139
soil to ground surface ar	nd contoured	to the surou	nding area. C	n 5/12/2011	the site	- 1		12'	142
seeded with a blended o	f native veg	etation and is	expected to	return to a pr	oductive	· L			
capacity at a normal rate	. NMOCD w	as notified o	f potential gro	oundwater im	pact on 4/9/2	012.			
**Windmill located 1270	ft south								
		A	DDITIONAL	EVALUATIO	N IS <u>HIGH</u> P	RIORITY			
			Enc	losures: phot	os, lab result	s, PID (fiel	d) screenings, cl	nloride graph, r	revegation for
I HEREBY CERTIF	Υ ΤΗΑΤ ΤΗ	IE INFORM	IATION ABO	OVE IS TRU			10-THE-BES	T OF MY KNO	OWLEDGE
SITE SUPERVISOR	Oscar Fra	yre SIG		Jos L		$\frac{1}{20}$	<u>. </u>		

SIGNATURE 2 Zach Conder
 Zach Conder
 SIGNAFURE
 DATE
 Y

 *This site is a "DISCLOSURE." Jumil be placed on a prioritized list of similar sites for further consideration.
 DATE
 Y

ASSEMBLED BY

PROJECT LEADER

Laura Peña

SIGNATURE

DATE

COMPANY RICE OPERATING COMPANY

4-17-12

1

EME I-7 EOL Unit I, Section 7, T19S, R37E



Site prior to excavation, facing north 2.15.11



Exporting soil, facing east

4.5.11



Seeding site, facing west





Collecting sample, facing northwest

3.23.11



Importing blow sand, facing east

4.8.11



Site completed, facing west

5.12.11



April 11, 2011

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

RE: EME I-7 EOL (19/37)

Enclosed are the results of analyses for samples received by the laboratory on 04/05/11 16:32.

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.

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.

1

Sincerely,

Celeg D. Kune

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:	03/23/2011	Sampling Date:	03/23/2011
Reported:	03/29/2011	Sampling Type:	Soil
Project Name:	EME I-7 EOL (19/37)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT BOTTOM (H100562-01)

Chloride, SM4560CI-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC % Recovery RPD Qualifier Chloride 48.0 16.0 03/29/2011 ND 416 104 400 0.00 TPH 8015M mg/kg Analyzed By: AB Analyte Result Reporting Limit Analyzed Method Blank **B**S % Recovery True Value QC RPD Qualifier GR0 C6-C10 03/27/2011 <10.0 10.0 ND 219 110 200 2.79 DR0 >C10-C28 46.8 10.0 03/27/2011 ND 112 200 224 1.19 Surrogate: 1-Chlorooctane 107 % 70-130 Surrogate: I-Chlorooctadecane 101% 70-130

Sample ID: 4 WALL (H100562-02)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/29/2011	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Anatyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2011	ND	219	110	200	2.79	
DR0 >C10-C28	144	10.0	03/27/2011	ND	224	112	200	1.19	
Surrogate: 1-Chlorooctane	100 :	% 70-130]				- 51	7	
Surrogate: 1-Chlorooctadecane	90.1	% 70-130	I				a D'	5	

505

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Dama Cardinal's liability unt paid by client for analyses. All claims, including those for negligence and ever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable serv In no event shall Cardinal be liable for ns, hass of including, without limitation, business Interrupti use, or loss of profits incurred by client, rts subs attitutes or succe arising out of or related to the per ce of the services her by Cardinal, regardless of whether 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

Celley D. Keine

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:	03/23/2011	Sampling Date:	03/23/2011
Reported:	03/29/2011	Sampling Type:	Soil
Project Name:	EME I-7 EOL (19/37)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BLENDED BACKFILL (H100562-03)

Chloride, SM4500CI-B	mg	/kg	Anatyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6 112	16.0	03/29/2011	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/27/2011	ND	219	110	200	2.79	
DR0 >C10-C28	276	50.0	03/27/2011	ND	224	112	200	1.19	
Surrogale: 1-Chloroactane	97.7	% 70-13)		· · · · · · · · · · · · · · · · · · ·				

Surrogate: 1-Chlorooctadecane 95.4 % 70-130



Cardinal Laboratories

*=Accredited Analyte

PLEXE NOTE: Usbity and Damages. Cardna's labelity and clent's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount pad by clent for anxinges. All claims, including tionse for negligence and any other cause whatevener shall be deemed wained wained unless interruptions, loss of use, and use in uniting and received by Cardnal within thirty (30) days after completion of the applicable service. In no event shall Cardmal be liable for incidental or consequential damages, including, without limitation, budiness interruptions, loss of use, or loss of profils incide shows studied and the substations, atfiliates or successors arising out of or related to the performance of the services hortunder by Cardnal, regardless of whether such dam to based upon any of the above statict reasons of clemes of clemest classes and and the services hortunder by Cardnal, regardless of whether such dam to based upon any of the above statict reasons of clemest classes and and the services hortunder by Cardnal, regardless of whether such

aley Di Kune

Celey D. Keene, Lab Director/Quality Manager



•

.*

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

Notes and Definitions

Z-01	Surrogate above historical limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-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

REASE NOTE: Liabley and Damages. Candnal's liabley and client's exclusive remedy for any claim arking, whether based in contract or tort, shall be limited to the anount paid by dient for analyses. All claims, including those for negagence and any other curses whateoew shall be deemed where a make in writing and received by Candnal 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, totainess intermediane, loss of use, or loss of profiles incident and any other sources and or related to the performance of the services hereunder by Candnal, regardless of whether such claims based upon any of the glow stated receives or otherwise, restart relate on the totain the totain provide Cardinal Laborationes.

Celez D. Kere

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-2476	40 5			
Company Name: Rice		BILL TO	ANALYSIS	S REQUEST
Project Manager: Hack Conder		P.O. #:		
Address: 1322 W TALlor		Company:		
City: 140 the State N.M.	Zip: 99240	Attn:		
Plione #: 593-9/94 Fax #:	••••	Address:		
Project #: Project Owner:		City:		
Project Name:		State: Zip:		
Project Location: EME I-7 802 19.37		Phone #:		
Sampler Name: Oscher FRANCE		Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL SOIL SULDGE	OTHER: ACIDBASE: DICE / COOL	HE L	
Hroosball Spt Rothm	$c_1 r$	1 3231 11:	x x x	
2.4 Wall	C(X)	3-33-4111-1	3 F X	
3 Blended Back Ell		3-2-11 11:2	7 7 X	
	· · [] []	┿╍┨┉┊╾┝╌╏╼┈╼╭┉┦╸╴╴╜		
				┟────┟────╎────┤╌╸━━│━───╴│╶──╴ ·│
		┼╌╽╌┼╌┽╴╽╶──╸┽┉╴╍		
	─}- ┨-┤-┼-┾-┾-┽-			
PLEASE NOTE: Lockety and Damages. Cardinal's tablety and cardin's exclusive restery for an analyses. At clanst incluring have to negligence and any other owner whatoover shall be due service. In microsoft of Cardinal is basic for horizontal or consequential damages, rectange tablets or structure and into and or of tablets the condense presented manages. The congression of the tablets of the tablets and the service and and or of tablets the condense presented manages.	y claim antrong whather based in contract rented weived unless made in where and where traction, others interruptions, deals tracted on the sub-ther such chim	t or tort, shall be similed to the emount paid by the CS d received by Cardinal within 10 days after complete leas of use, or loss of profile incurred by drawn list au in become more of the server statest increasing and	en i far en aplicabla no of mena aplicabla honosta	
Relinguished By: Relinguished By: Relinguished By: Date: Time:	Received By: Define the Received By:	NSON BB	:Result: 0 Yes 0 Ho Add'l Phone osult: 0 Yes 0 Ho Add'l Phone (RKS: Onden CRite-ecs.com Aden CRite-ecs.com	E
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2 0 Sample Condit Cool Intact Ves Ves No No	ion CHECKED BY: Unit (18) 2	Cander @ Nice-ecscon	

Cardinal cannot accept verbal changes. Please fax written changes to 505-193-2476

RICE OPERATING COMPANY

122 West Tayor Hobbs, NM 88240 PHONE: (575) 393-9174 FAX: (575) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM

Check Model Number:

M 7300 Serial No: 590	-000183	Model: PGM 7600	Serial N
M 7300 Serial No: 590	-000508	Model: PGM 7600	Serial N
M 7300 Serial No: 590	-000504 x	Model: PGM 7600	Serial N
	M 7300 Serial No: 590 M 7300 Serial No: 590 M 7300 Serial No: 590 M 7300 Serial No: 590	M 7300 Serial No: 590-000183 M 7300 Serial No: 590-000508 M 7300 Serial No: 590-000504	M 7300 Serial No: 590-000183 Model: PGM 7600 M 7300 Serial No: 590-000508 Model: PGM 7600 M 7300 Serial No: 590-000504 x

Serial No: 110-023920 Serial No: 110-013744 Serial No: 592-903318

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 930360	EXPIRATION DATE: 5-24-13
FILL DATE:	METER READING ACCURACY: 100.00

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	I-7 EOL	I	7	195	37E

SAMPLE ID	PID	SAMPLE ID	PID
5 Pt. Bottom Composite	2.1		
4 Wall Composite	1.7		
Blended Backfill Composite	0.2	·	
·			
		0	
		ROFT	
		Co	
	-		

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

SIGNATUE:

DATE: 3-23-2011

CHLORIDE CONCENTRATION CURVE

RICE Operating Company



Unit 'I', Sec.7, T19S, R37E

Backhoe samples at the junction (source)





Groundwater = 35 ft



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

REVEGETATION FORM

1. General I	nformat	ion								
Site name:	EME I	-7 EO	L							
U/L	Secti	on	Township	Rang	ge 🗌	County	Latitude	•	Lon	gitude
1	7		19S .	37E		Lea	N 32°40'22	2.6"	W 103	°17'06.2"
Contact Name:	Bru	e Bak	er	1	l		·			
Email	hhaker	Orice	-esc com	·····						
Site size	3.	250	square feet	Man	detail of	f site attache	- XI			
$\frac{3}{2} \frac{3}{2} \frac{3}$										
Additional sinos	mation.	· · · · ·								
2 Soils	*n	o not ri	n caliche subsail	e caliche ro	cks broug	ht to the surfa	ce hu rinning shi	all he ree	noved	
Salvaged from s	ute 🗍	Bio	remediated	Imn	orted X	Blend	ed	Der	$\frac{1}{10000000000000000000000000000000000$	
Texture: Sand		Des	cribe soil & sub	<u>i inp</u>	Blou	(sand and su	bsoil calicha		<u>, , , , , , , , , , , , , , , , , , , </u>	
Soil prop metho	day D	in	Depth(i	n).		Depth ((in)	Collarna	al:	
Son prep metro	$\frac{us}{5000}$		Depin(1	<u></u>		j Depur		concepa		
Date completed	5/12/2									
3 Riaromed	istian									
Sertilizer	1441011				Hav	<u></u>		Other	<u>[_]</u>	
Tuna						1		Dosor	ibo:	
			··		-			Desci	ibe.	
LDS/acre:			·····							•
A Seeding	* 44	tach sa	ad han tons to th	s form Saa	t haa taas	shall contain	the site name on	ASTR		
Custom cood mi		Draca	ibed mix	Sood mix	nomo:	2.5 lbc bb	ine sne nume un	Soot Soot	ding data:	
Custom seed mix Prescribed mix					name.	2.5 105. 010	e grama	3000	ing uate.	5/12/2011
Drandaast M				<u> </u>	·	1 10. side (
Mothod: Dortah	la caada									
Soil conditions	dumin a a	adina		Dome	1 11/-4	<u> </u>				
Soli conditions	uuring se				_ wet					
Photos attached			observations:	The seed	i was rak	ed into the s	ite.			
Number of pilot	<u>os: 1</u>									
5 Certificat	ion The	rehv cer	tify that the inform	ation in this f	orm and att	achments is thu	and complete to t	he hest of	my knowledge	and helief
Name:	Robert E	icby cer	ary mar use months		Title:	Environ	montal Tach	ne best bi	Doto:	5/12/2011
		gaus	¢		_ me.	Environ			Date.	5/12/2011
Signature:	4CA	Carl	monto							
	1.12									
					•					
						7				
				Δ	2 E	\gg \sim				
				(~((- U				
				\underline{e}						
									X	