1R - 27 27

REPORTS

DATE

-23-00

EME Jct C-6



RECEIVED

MAR 2 5 2003 Environmental Bureau Oil Conservation Division

CLOSURE

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				E	BOX LOCA	TION				
i	SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNT		IMENSIONS - F	
	Eunice Monument	Jct. C-6	С	6	218	36E	Lea	Length 6'	Width 8'	Depth 5'
	Eumont (EME)	JUL C-0 :	<u> </u>		210	3012	Loa		eliminated	
	LAND TYPE: 8	BLM	STATE_X	FEE LAN	IDOWNER			OTHER		
	Depth to Groun	ndwater	135	feet	NMOCE	SITE ASS	SESSME	NT RANKING S	CORE:	0
	,									
	Date Started	8/21/	/2008	Date Com	npleted	10/1/2008	00	D Witness	no	
	Soil Excavated	400	cubic yar	rds Exca	avation Le	ngth30	w	idth30	Depth	12 feet
	Soil Disposed	0	cubic yar	rds Offs	site Facility	r	n/a	Location	n/a	l
FINA	L ANALYTI	CAL RES	SHI TS:	Samul	e Date 9/1	5/2008 9/	วร/วกกล	Sample De	nth	12 ft
i ii ur			JOE 10.	Oump.		0,2000, 0,2	20/2000	Campic De	Pu'	12-10
					•					
Proc	cure 5-point con	nposite sam	ple of bottor	m and 4-poin	t composite	sample of	sidewalls	s. TPH, BTEX,	and Chloride	
	ratory test resu									
	, , , , , , , , , , , , , , , , , , , ,	•	, ,			5 1	•		J	
			,							
1	Sample	Benze		1 '	1 .	1	RO	DRO	Chloride	
<u> </u>	Location	mg/k					g/kg	mg/kg	mg/kg	4
4-	WALL COMP.	<0.05	0.05	0.212	0.48	1 <	25.0	117	144	
BC	OTTOM COMP.	0.498	8 1.19	7.99	21.4	. 4	34	834	272	1
	NDED BACKFII		0 <0.05	0.2725	0.77	1 1	04	1050	320	
	1525 51 151 11					<u> </u>		.,,,,,		`
								CHLOR	IDE FIELD T	ESTS
Gener	al Description	of Remedia	al Action:	This junction	was elimina	ted during th	ne			
	e replacement/up						r	LOCATION	DEPTH	mg/kg
								LOCATION	DEFTI	mg/kg
investig	ation was condu	ced using a l	backhoe to c	ollect soil sam	iples at regu	ılar intervals	j	4-wall comp.	n/a	173
produc	ing a 30x30x12-fl	-deep excav	ation. Chlori	de field tests v	were perforn	ned on each		bottom comp.	12'	273
<u> </u>				 			— ⊦			
	, which yielded g						<u> </u>	blended backfill	n/a	121
PID yie	lded some eleva	ted concentra	ations. Repr	esentative cor	nposite sam	ples were	1	background	6"	197
sent to	a commercial lat	oratory for a	nalysis of ch	loride, TPH, a	nd BTEX wh	ich confirme	ed		1'	150
							i			
IOW COI	centrations. The	excavateu s	Sui was bieti	ueu on-site, re	eturned to tri	e excavation	<u>'</u>	ļ	2'	116
to grou	nd surface, and o	contoured to	the surround	ing area. On	10/1/2008, t	he site was	- 1		3'	142
seeded	with a blend of r	ative vegeta	tion and is e	xpected to reti	um to a proc	luctive cana	city		4'	119
				,				vertical		
at norm	iai rate.			· · · · · · · · · · · · · · · · · · ·				delineation	5'	117
							Ì	trench at 15 ft	6'	115
		-						south of the		
	 							junction	7'	126
								(source)	8'	117
							\	(552.55)	9'	147
							— J	}	10'	
]		114
			enclosure	es: photos, lab	results, PID	field screer	ning,	ļ	11'	146
					BTEX study	v. chloride c	urve	Ī	12'	88
							L		12	1 00
										
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	IHEKEB	CERTIFY	THAT THE					MPLETE TO TH	HE BEST OF	MY
				KNOV	WLEDGE A	ND BELIE	F.			
0.75 0.	DED #00B	E : 0 :	212		-					
SHESU	IPERVISOR	Enc Gamso	on Sigi	NATURE{	150/11	1111	<u> </u>	COMPANY_	RICE OPERAT	ING COMPANY
pı	EPORT				_		-			
	EMBLED BY	Katie Jone	s	INITIAL	KT					
					<u> </u>		4		_	<u>~</u>
PROJEC	T LEADERL	arry Bruce Bal	ker Jr SIGI	NATURE	anu Pr	uce Parke	A.	DATE	1-27	- 07
					0					
					•					

EME Jct. C-6

Unit C, Section 6, T21S, R36E





10/1/2008



Receiving Date: 09/15/08 Reporting Date: 09/17/08

Project Number: NOT GIVEN
Project Name: EME JCT C-6
Project Location: EME JCT C-6



Sampling Date: 09/15/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

	GRO	DRO	
	(C_6-C_{10})	(>C ₁₀ -C ₂₈)	Cl*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	09/16/08	09/16/08	09/16/08
H15934-1 4 WALL COMP 30'x30'	<25.0	117	144
			and the same of th

Quality Control	475	474	490
True Value QC	500	500	500
% Recovery	95.0	94.8	98.0
Relative Percent Difference	9.1	18.2	2.0

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

Lab Director

Date

H15934 TCL RICE



Receiving Date: 09/15/08 Reporting Date: 09/17/08 Project Number: NOT GIVEN

Project Name: EME JCT C-6 Project Location: EME JCT C-6 Sampling Date: 09/15/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: ZL

ETHYL TOTAL BENZENE TOLUENE BENZENE XYLENES LAB NUMBE SAMPLE ID (ma/ka) (ma/ka) (ma/kg) (ma/ka)

ANALYSIS DATE	09/16/03	09/16/08	09/16/08	09/16/08
H15934-1 4 WALL COMP 30'X30'	< 0.050	<0.050	0.212	0.481
H15934-2-5 4 WALL COMP. N, E, W, S	<0.050	<0.050	0.114	0.246
WALLS				Was a second sec
Quality Control	0.049	0.045	0.045	0.156
True Value QC	0.050	0.050	0.050	0.150
% Recovery	98.0	90.0	90.0	104
Relative Percent Difference	10.4	12.6	17.3	6.8

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Lab Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Mame: A	10 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					1		7719	BILL TO		-	-	ļ		¥	ANALYSIS		REQUEST	TS			
iglect Managr	1051000 0000 DUZ					P.O.	#1				_											
Address: 122 C	2 LU Talahor					Con	Company	<u>.</u> .														
CILY: HEAD		, Zip:	Zip:88.240	かん		Attn:	ي: ا				<u> </u>			,			\ -{{		, <u>-</u>			,
Phone #: 39	Phone #: 343 -9174 Fax #: (564)39	139	7-1	17471		Adc	Address:				}			((_			J.	>=				
Project #:	Project Owner:	٠	.			City:	<u>.</u> .						<u> </u>	<u>)) </u>	<u>/</u>	<u>,</u>		1			···	
Project Name: LIME	EMENT C-C					State:	ie:	iZ	Zip:													
Project Location: & 1715	n: 8178 x7 c. 6					Pho	Phone #:				170	1.L.										,,,,,,,,
Sampler Name: $\mathcal{E}\mathcal{N}$	ENI CAPTISON					Fax #:	粧				<u> </u>	17										-
FOR LAB USE GIRLY				W.	MATRIX		PRESERV	RV.	SAMPLING	ING												
Lab I.D.	Sample I.D.	.4MO(3) ЯО 8AЯ(9)	# СОИТАІИЕЯЗ СВООИФМАТЕЯ	WASTEWATER SOIL	PRINDGE OIL	: ЯЭНТС	CE / COOF	: ЯЗНТО	DATE	TIME	145108		19 7518	(-21-51						· · · · · · · · · · · · · · · · · · ·		
H159341	5934-1 4 Walth Comp 30 x30'	V							-12-D	9-15-0 13:45	X	X	×	_	_	_		L				
2-	Hosall comp 1 wall	W		*			7.4	2	·15.02	9-16-62 11.55	<u>/</u>	/		<u> </u>		<u> </u>	-	<u> </u>	.			
8/		V		×			74	a	15-07	9-15-07 13:00			/	/	O A	o nt	120	7,	Control 12/12 (ast)			
7	4 6-241 Control 1005 Tubell	ن		×			74	প্	-15-0S	13,40			7	1	*	15tox	X OVI	7		•		
5	4 Lasall controvitudest	J		74			><	9	3-51-	13.30			\)				
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			$\frac{1}{1}$		_	Ì	-				+		1		+							
	And the second of the second s	士		1			-				-	-	+-	-	1	+	1					
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LEASE NOTE: Llabity a nolyses. At status includi	PLEASE HOTE: Labbity and Damages. Cardinal's Bability and dilent's ercharke remedy for any clain arthrid whereing whereing the contract or tall arthrid to the amount and by the closest for the annual and by the closest shall be amount and any other caces when beared shall be abouted waived unters made in withing most received by Cardinal within 10 days after completen of the annual and any other caces when beared shall be annual and any other caces when beared shall be annual and any other caces when beared shall be annual and any other caces when beared shall be annual and any other caces when beared shall be annual and any other caces when beared shall be annual and any other caces when beared and any other caces when beared and any other caces when beared and any other caces when beared and any other caces when beared any other caces when beared and any other caces when beared and the caces when beared any other caces when beared and the caces when beared any other caces when beared any other caces when beared any other caces when beared and the caces when beared and the caces when beared any other caces w	any chaim a deemed >	pristing who	ether base	ed in centra in weiting a	et or tert.	shall be k	miled to th	e amount of	3d by the clear	for the											

service. In no everal shell Cardmal be liable for incidental or consequental sifthings or successors sitking out of or related to the performance of service Refinquisthed By:

BRYEL CREESESCON JRIVISCI RICESESTICOM The stand claim arbitring whether besed in centraction that, shall be finited by claimal within 30 days after completions or according to the standard in the standard by Cardinal within 30 days after completions or white standards without the standards without which the standards of the standard of the standards of the standard CHECKED BY: Sample Condition
Cook Intact
| Yes | - Yes | Ao | No | -Time: 9:55 Date: Time: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished-By:

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





Receiving Date: 09/15/08 Reporting Date: 09/17/08 Project Number: NOT GIVEN

Project Name: EME JCT C-6
Project Location: EME JCT C-6

Sampling Date: 09/15/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

	GRO	DRO	
	(C_6-C_{10})	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS I	DATE	09/16/08	09/16/08	09/16/08
H15933-1	5PT BOTTOM COMP 12'	434	834	272
				<u> </u>
	ng gapa para anamanggi da para ya sasannang dahaman, Af Oligh Bahagan ng harang bahang bahan na mananan na mana			
ka galemia antakari apida phingingan ya panahada i in in iyakhan anazar	ыма ала, (имперет) — указан үй төмөгүүү үү үччөө үй — « үүдөөүнө көсүй — « « « « « « « « « « « « « « « « « «			
Quality Cont	trol	475	474	500
True Value	QC	500	500	500
% Recovery	Ap. 161 130 a	95.0	94.8	100
Relative Per	cent Difference	9.1	18.2	< 0.1

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

Lab Director

Date



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: ERIC GARRISON

122 W. TAYLOR HOBBS, NM 88240

> Sampling Date: 09/15/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: ZL

Receiving Date: 09/15/08
Reporting Date: 09/17/08
Project Number: NOT GIVEN
Project Name: EME JCT C-6
Project Location: EME JCT C-6

•

ETHYL TOTAL BENZENE TOLUENE BENZENE XYLENES (mg/kg) (mg/kg) (mg/kg) (mg/kg)

LAB NUMBEF SAMPLE ID

ANALYSIS E	DATE	09/16/08	09/16/08	09/16/08	09/16/08
H15933-1	5PT BOTTOM COMP 12'	0.498	1.19	7.99	21.4
H15933-2-6	5 PT BTTM #1 - #5 COMPOSITE	0.178	0.971	7.37	19.5
Quality Cont	rol	0.049	0.045	0.045	0.156
True Value C	QC	0.050	0.050	0.050	0.150

METHOD: EPA SW-846 8021B

Relative Percent Difference

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

98.0

10.4

Lab Director

% Recovery

Date

90.0

12.6

104

6.8

90.01

17.3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020	
FA	
673-7001	
(325)	
393-2476	
FAX (505)	
(505) 393-	

ANALYSIS REQUEST))		H		XIG 7.) L W.S.108			Spot 21/2 (Calpus)	1 (STEX C71.4-					and the second s
81.1.70	P.O. #:	Company:	Attn:	Address:	City:	State: Zip:	Phone #:		PRESERV SAMPLING	OTHER: COD/BASE: OTHER: DATHER: THER: THER	1 8-3/-6 4	001/1803/-b X	X 9-15-02/11.05	メートで-3011:10	X 9-15-03 11:15	1 9 H 83 T 7			
Company Name: Rice OPERITING	Z		Slate: NM Zip: 82824C	Fax #: (ダン) 38フー/471					MATRIX	Sample I.D. Scountainers GONTAINERS GOOLTAINERS SCOUNDWATER MASTEMATER JOIL		-2 SARITINIA (6)	- '		- 09	SPRATIONES BILL	20		
Company Name	Project Manage	Address: 13	CILY: 41012/55 INMIT	Phone #: 393-9174	Project#:	Project Name:	Project Location	Sampler Name:	FOR LAB USE DALY	Lab I.D.	H5133.1	-2	2	<u>h</u> -	か	9-			

PLEASE HOTE: Unbuilty and Demages. Cardinate liability and elients exclasive remedy for my claim straing whether based in contract of but, shall be limited to the amount paid by the claim for the same institution bases for negligibutes and any participation of the applicable sacries. In no event and Cardinal within 30 days after cause whitesever shall be deemed waited unless interruptions, loss of true, or loss of profit houses of profit houses of the profit cannot be before the standard of the participation of the participation

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	4/0/016	1 4		Fax Result:	
Time;	Time:1-/	1	X// #	REMARKS:	
からのは	J. W	ノーは加えし	Le Mary	4.	
Relinquished By:	Date: Rec	seived By:	The second secon	となっている	250 COLO 10 CISO 100
					ノミンころうしんり
	Time:)		,	
					Mary Contraction of the Contract
Delivered By: (Circle One)		Sample Condition	снескер ву:		とう つうがんこう しゃん
		Cool Intact	ファ (stelliul)		
Samplen UPS - Bus - Other:		Ly Yes Cy Yes	1 1/2/2/		

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

RICE OPERATING COMPANY

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

CK.	
MODEL	
NO.	
ĺ	

MODEL: PGM 7300 MODEL: PGM 7600 SERIAL NO: 590-000183

SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-12383 SERIAL NO: 110-023920

MODEL: PGM 7600 Model: PGM 7350

serial no: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

EXPIRATION DATE: 5-16-09 LOT NO: 07-3253 METER READING ACCURACY: 99, 9 PPM FILL DATE: 11-16-07

ACCURACY: +/- 2%

SYSTEM	I JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	C-6		6	215	368

5 PT BOTTOM SAMPLE ID	•	4 wal L	
SAMPLE ID	PID	SAMPLE ID	PID
5 PTBTTM COMP	357.2	4 Wall Comp	102.6
SPTBTTM #1	/31	n Wall	20,6
11 #2	1761	5 Wall	204
"#3	2048	E Wall	24,1
11 11 #4	1536	W Wall	127
" #5	46.7		

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

DATE: 9-15-08





Receiving Date: 09/25/08 Reporting Date: 09/29/08 Project Number: NOT GIVEN Project Name: EME JCT C-6

Project Location: EME JCT C-6

COPY

Sampling Date: 09/25/08
Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/TR

	GRO	DRO	
	$(C_6 - C_{10})$	(>C ₁₀ -C ₂₈)	Cl*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	09/26/08	09/26/08	09/26/08
H15980-1 BLENDED BACKFILL	104	1,050	320
Quality Control	563	496	500
True Value QC	500	500	500
% Recovery	113	99.2	100
Relative Percent Difference	17.8	14.9	2.0

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

Lab Directo

Date





Receiving Date: 09/25/08
Reporting Date: 09/26/08
Project Number: NOT GIVEN
Project Name: EME JCT C-6
Project Location: EME JCT C-6

COPY

Sampling Date: 09/25/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: ZL

			ETHYL	TOTAL
	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBEF SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE	09/26/08	09/26/08	09/26/08	09/26/08
H15980-1 BLENDED BACKFILL	<0.050	<0.050	0.272	0.771

ANALYSIS DATE	09/26/08	09/26/08	09/26/08	09/26/08
H15980-1 BLENDED BACKFILL	<0.050	<0.050	0.272	0.771
				-
			•	
Quality Control	0.053	0.049	0.049	0.161
True Value QC	0.050	0.050	0.050	0.150
% Recovery	106	98.0	98.0	107
Relative Percent Difference	3.1	2.0	2.0	1.9

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

ab Director

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

* ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020	1.00 0 40 0.7. L.
X (505) 393-2476	2.7.466
5) 393-2326 FA	Die o Dong Ting
90	1

Company Name	Company Name: Kick of Politic Ma	1001-010 (040)	BILL TO		ANALYSIS REQUEST
Project Manage	Project Manager: 5 16 GAN 1991		P.O. #:		
Address: 13	in tacker		Company:		
City: 11054	City: Hobbs O State: Milzip: 38	Zip: 28240	Attn:		
Phone #(\$75	Phone #(575) 342-9174 Fax #(576) 397	11/1-195	Address:		
Project #:	Project Owner:		City:		
Project Name:	Project Name: SME JCT C-6		State: Zip:		
Project Location	n: EMENT C-6		Phone #:	H	
Sampler Name:	Eric GAMISON		Fax #:	d.	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	_ 乙 □	
Lab I.D.	Sample I.D.	(G)AAB OR (C)OMP # CONTAINERS # CONTAINERS ### CONTAINERS ####################################	ОТНЕЯ: ОТНЕЯ: ОСТООС: ОТНЕЯ: DATE	17 17 108 108	
H1592-1	1980 Genoral Backful) ×	X 9-3620 13	XXX	
)
PLEASE NOTE: Liability ar	PLEASE NOTE: Liability and Damages. Cardinals liability and clean's exclusive renedy for any claim arising strether based in contract or but	v claim arising whether based in contract	of for the shall be finished to the amount need by the elec-	art for the	

whether based in contract or fort, shall be fimited to the amount paid by the client for the

☐ Yes ☐ No ☐ Yes ☐ No analyses. All daims including fines for negligence and any other cause whatever shall be deemed waived unless made in writing and received by Cardinal within 30 days after compelion of the applicable sevices. In mercent shall can deam the incidental arronace questal demages, including without handlaine, business interruptions, loss of use. or less of profits incurred by elient, lis autosidative allistiace structured by cardinal, engaged as a limitation of the canonic structured by cardinal within 30 days set on the above stated reasons or an office incurred by elient, lis autosidative.

| Received By: | Received By: | Phone Result: | Par Result: | Phone Result: Received By Date 3/25/08 Relinquished By:

Sample Condition Cool Intact LYes LYes Time: 7.30 Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Shukerp ficesoul com TRUNISO Riceswol. COM

CHECKED BY:

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

RICE OPERATING COMPANY

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

CK.	12
MODEL	
NO.	

MODEL: PGM 7300

SERIAL NO: 590-000183

MODEL: PGM 7600

SERIAL NO: 110-013744

MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 110-12383 SERIAL NO: 110-023920



GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353 EXPIRATION DATE: 05-16-09

FILL DATE: 11-16-07 METER READING ACCURACY: 99.9

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	C-6	C	6	215	368

SAMPLE ID	PID	SAMPLE ID	PlD
SPT comp om Backfill	141.9		
			1
		,	

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

SIGNATUE: 9

20 James 2

DATE: 90-1-08

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System:

EME Jct. C-6

Sampler: Date:

Eric Garrison 9/15/2008

Laboratory:

Laboratories Cardinal

					-		 	
()	Total Xylenes		707	0 -			0.246	
TE (mg/kg)	Ethyl Benzene		0,40	0.2.12		E (mg/kg)	0.114	
FIELD COMPOSITE	Toluene		040	0.00		LAB COMPOSITE	<0.050	
	Benzene		040	000.07			<0.050	
PID reading	(ppm)	20.6	204.0	24.1	127.0			
Component		NORTH wall	SOUTH wall	EAST wall	WEST wall			
Location		4-wall SOUTH wall composite from EAST wall 30x30x12 WEST wall						•

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

boratories Cardinal

Lot. C-6	പ് ഗ്	Date: Sampler:	9/15/2008 Eric Garrison		Laboratory:
	PID reading		FIELD COMPOSITE	ITE (mg/kg)	
	(mdd)	Benzene	Toluene	Ethyl Benzene	Total Xylenes
	131.0				
	1761.0				
	2048.0	0.498	1.19	7.99	21.4
	1536.0				
	46.1				
			LAB COMPOSITE	ΓE (mg/kg)	
		0.178	0.971	7.37	19.5

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

ENE C. C.6

Unit 'C', Sec. 6, T21S, R36E

Backhoe samples at 15 ft south of the junction (source)

[©II] ppm 150	116	142	119	117	115	126	117	147	114	146	88
Depth bgs (ft)	2	3	4	9	9		8	6	10	11	12





