Jimmy Cooper #3 Closure Report Duke Energy Field Services Lea County, New Mexico 1RP-220

SEPTEMBER 30, 2001

Prepared For:

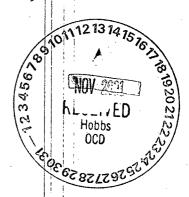
Duke Energy Field Services P. O. Box 5493 Denver, CO 80217

Site Name:

JIMMY COOPER #3 (JC#3)

Case Number:

1R0306



Site Location:

T20S, R37 E, SECTION 30, UNIT D

Prepared By:



PO Box 7624 Midland, Texas 79708



September 30, 2001

Mr. Steve Weathers
Duke Energy Field Services Inc.
P. O. Box 5493
Denver, Colorado 80217

Re: Removal of Hydrocarbon-Impacted Soils from the JC#3 site

Township 20 South, Range 37 East, Section 30, Unit D

Case # 1R0306

Dear Mr. Weathers:

TRW Inc. – Energy & Environmental Integration Services (TRW) was retained by Duke Energy Field Services Inc. (DEFS) to oversee the removal of hydrocarbon-impacted soil from an area along a pipeline right-of-way operated by DEFS near Monument, New Mexico in Lea County. The site (JC#3) is located in Section 30 (Unit D), Township 20 South, Range 37. The work was conducted between February 19 and March 28, 2001 in accordance with the revised work plan (March 19, 2001) submitted to Donna Williams at the New Mexico Oil Conservation Division (OCD) Hobbs, New Mexico office. Initially it was the understanding of DEFS that the subject property was owned or leased by Mr. Jimmy T. Cooper. However, it was later determined after initiation of remedial activities that the property is actually owned by the New Mexico State Land Office (SLO)/and the surface is leased to Enron. In the revised work plan submitted to Donna Williams the legal description of the site was described as being located in Unit K, however it was later confirmed the actual unit letter is "D" as indicated on the attached documentation. TRW personnel periodically collected soil samples to characterize the extent of hydrocarbon-impact and to verify when cleanup target levels had been achieved. This letter report describes the methods and results of the excavation, sampling, waste disposition, and backfilling.

Excavation and Sampling Procedures

Allstate Services Environmental (Allstate) performed excavation. Allstate used one trackhoe, one dozer, and one loader for earthmoving services. An area was excavated where Mr. Cooper identified indications of hydrocarbon-impacted soils. During excavation operations, subsurface soil samples were collected and submitted to an analytical laboratory to characterize the approximate lateral and vertical extent of hydrocarbon-impacted soil in each area. Samples were collected by TRW with stainless steel trowels. Floor samples were collected as a composite sample consisting of five aliquots. Composite samples consisting of a minimum of three aliquots were also collected from each wall (north, south, east, and west), unless noted otherwise. During the course of excavation activities, samples were also collected for headspace analysis using an organic vapor meter (OVM), which was calibrated to assume a benzene response factor. All soil sampling, headspace analysis, and laboratory analysis were performed in accordance with OCD "Guidelines for Remediation of Leaks, Spills, and Releases" (August 13, 1993). Unless noted otherwise, excavation operations were completed when laboratory analysis of collected samples indicated the extent of hydrocarbon-impacted soils remaining in the excavation were below the following concentrations:

- 100 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons (TPH),
- 10 mg/kg benzene.
- 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX)

Soil samples were submitted to Environmental Laboratory of Texas (Odessa, Texas) and analyzed for gas and diesel range organics (GRO and DRO) using EPA Method 8015 to determine TPH concentrations. BTEX analyses were conducted only for soil samples that exceeded 100 ppm using the calibrated OVM.

Soil Stockpiling, Waste Disposition, and Backfilling

An effort to segregate clean versus impacted soil during excavation was made. Only hydrocarbonimpacted soil that exceeded 100 mg/kg GRO/DRO, 10 mg/kg benzene, and/or 50 mg/kg total BTEX was transported to the C & C Landfarm. These target cleanup levels are based on the ranking criteria in the OCD "Guidelines for Remediation of Leaks, Spills, and Releases". A total ranking score of greater than 19 points was assumed since groundwater is less than 50 feet below ground surface based on well records from the Office of the State Engineer.

Approximately 6.930 cubic vards of hydrocarbon-impacted soils were transported by local hauling contractors (Allstate) to the C & C Landfarm, owned and operated by Mr. Jimmy T. Cooper (OCD Rule 711 Permit Approval NM-01-0016). Completed Request for Approval to Accept Solid Waste form (C-138), Generator Certificate of Waste Status form (C-143), and Release Notification and Corrective Action forms (C-141) are included in Attachment A. Approximately 7,224 cubic yards of native soil provided by Mr. Cooper was backfilled into the excavation to restore the excavation to a level grade. Allstate reseeded the topsoil on May 18, 2001.

Results

On April 4, 2001, Wayne Price (OCD Santa Fe office) granted permission to backfill the excavation due to safety concerns (suspended natural gas liquid pipeline with support lacking) with the understanding that DEFS may have to conduct further investigation and/or excavation in the future. At the completion of excavation activities all areas had petroleum hydrocarbon concentrations below the target values listed above with the exception of the following:

Sample	GRO	DRO	Benzene	BTEX					
Identification/Location	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)					
JC#3-w (E. Wall)	182	2557	< 0.025	0.173					
JC#3-y (S. Floor 20')	47	584	< 0.025	0.837					
JC#3-dd (SE Wall)	992	5227	< 0.050	14.062					
Values in boldface type indicate concentrations above NMOCD guidelines.									

Soil sample locations and site features are depicted on the site map in Attachment A. A Site Data Form that includes a summary of the analytical results and photo documentation are also provided in Attachment A. Laboratory analytical reports, and chain-of-custody documentation for the samples collected are provided in Attachment B. Copies of the field logbook are in Attachment C.

Sincerek2

Gilbert J. Van Deventer, REM

Project Manager

cc: Myra Meyers (New Mexico State Land Office, Hobbs, NM)

Attachments

ATTACHMENT A

TOPOGRAPHIC MAP

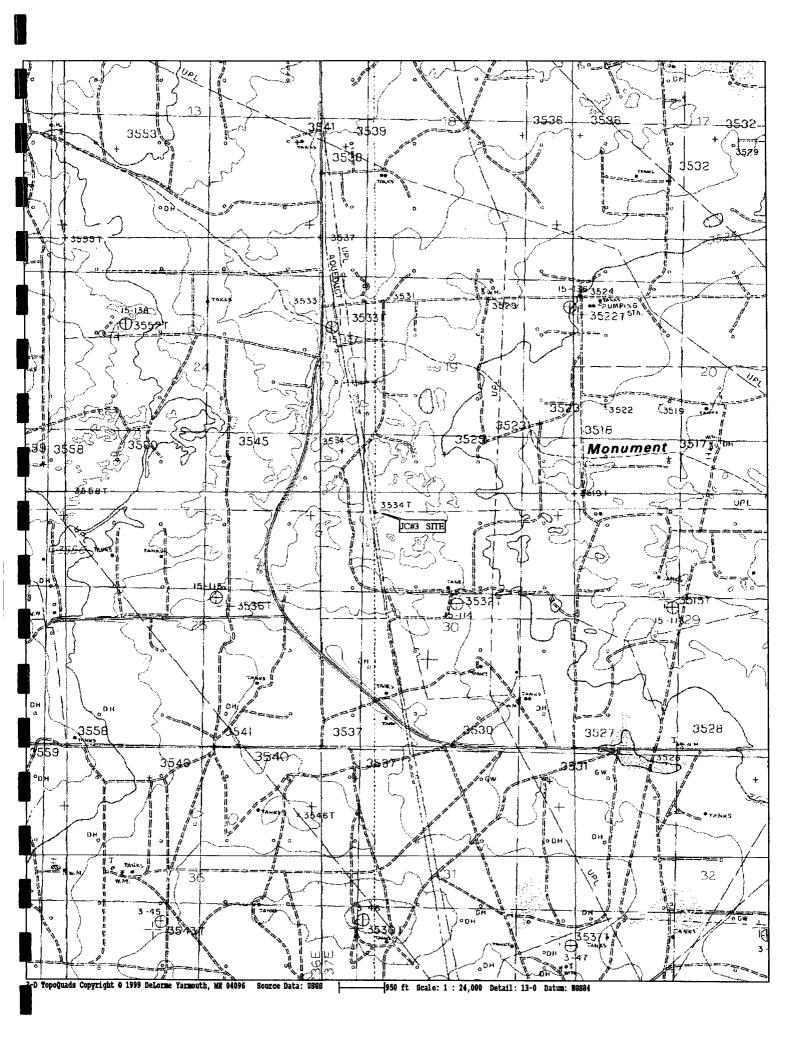
SITE MAP

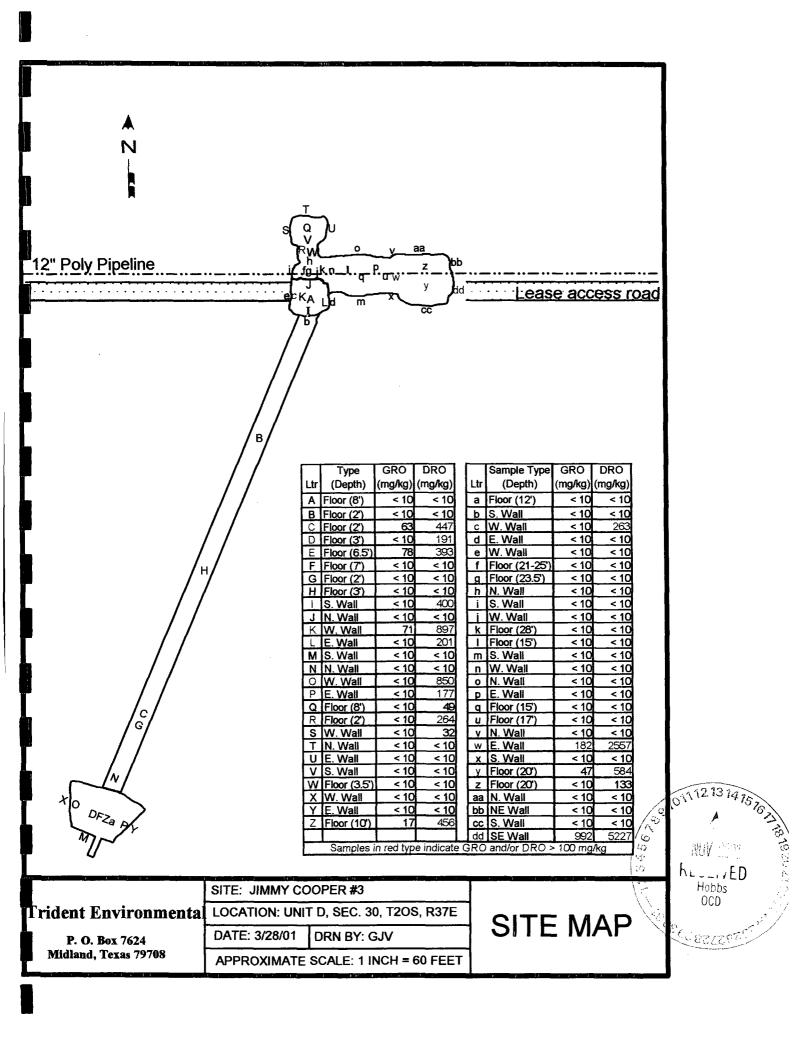
SITE DATA FORM

SUMMARY OF ANALYTICAL RESULTS

C-138, C-141, AND C-143 FORMS

PHOTODOCUMENTATION







SITE DATA FORM

			511.	עע	JAIAI	Oldvi				
TRW Technician: JMF/C	JV Excav	ation Crev	v Names:	<u>A1</u>	Ilstate Service	es Enviro	nmental	Site ID: _	Jimmy Co	oper #3
Site Location: Latitude	:32°-33:7 <u>'</u>	<u>N</u> L	ongitude	<u> 4</u>	103° 19.5' W	<u> </u>	County:I	<u>ea</u>	State: Nev	v Mexico
Section 30 Towns	hip2	0 South	F	lange	e <u>37 East</u>	ι τ	Unit D			
Begin Excavation (Date/Ti	me) <u> </u>	2/19/01	7		_ Compl	ete Excav	ation (Date/	Time)	03/28/01	
LAND USE:	☐ Resid	lential		I C	Recreational			Farm land		
	☐ Indu	strial			School/Dayca	are		Range land		
(Check all that apply)	Oil &	c Gas			Rural			Other:		
Depth to Groundwater:	□ > 1	00 feet	□ 50 -	. 99	<u> < 50</u>	feet		r		
Wellhead Protection Area:	■ > 1,0	000 feet fro	om a wate	er so	urce \square	< 200 fee	t from privat	te domestic	water sour	æ
Distance to Nearest Surface	e Water Bo	ody: 🔳 🗆	> 1,000 f	eet	$\Box 200 - 1$,000 feet	□ < 20	00 feet		
SURFACE SOILS:	Sand			. T. G	ravel		□ Silt	·		
				J C			☐ Other _			
TOTAL OF THE OWN	*	T 41			XX7: 1.1					
EXCAVATION		Length	_		Width	_	Average De	_	Maximur	-
DIMENSIONS	Var	<u>iable</u>	feet _		Variable	_ feet	<u>Variable</u>	feet	28	feet
VOLUME BACKFILLE	D: 2122	7,224	<u></u> yd³	1	VOLUME H	AULED	TO LANDI	FARM:	6	,930 yd ³
			ANA	LYT	FICAL RES	ULTS				
Sample	Sample	GRO	DRO		Sample	lde	ntification	Sample	GRO	DRO
Identification	Date	(mg/kg)	(mg/kg)	'			Date	(mg/kg)	(mg/kg)
JC#3-A (Floor) 8'	2/19/01	< 10	< 1	_	JC#3-a (1	Floor) 12	,	2/26/01	< 10	< 10
JC#3-B (Floor) 2'	2/19/01	< 10			JC#3-b (2/26/01	< 10	< 10
JC#3-C (Floor) 2'	2/19/01	63				W. Wall)		2/26/01	< 10	263
JC#3-D (Floor) 3'	2/19/01	< 10		_	JC#3-d (2/26/01	< 10	< 10
JC#3-E (Floor) 6.5'	2/19/01	78	39	3		W. Wall)		2/27/01	< 10	< 10
JC#3-F (Floor) 7'	2/20/01	< 10	< 1	0	<u> </u>	Floor 21-2	25')	3/15/01	< 10	< 10
JC#3-G (Floor) 2'	2/20/01	< 10	< 1			Floor 23.5		3/15/01	< 10	< 10
JC#3-H (Floor) 3'	2/20/01	< 10	< 1	0	JC#3-h (N. Wall)		3/15/01	< 10	< 10
JC#3-I (S. Wall)	2/20/01	< 10	40	00	JC#3-i (S	S. Wall)		3/15/01	< 10	< 10
JC#3-J (N. Wall)	2/20/01	< 10	< 1	0	JC#3-j (\	V. Wall)		3/15/01	< 10	< 10
JC#3-K (W. Wall)	2/20/01	71	89	7	JC#3-k C	rab (Floo	or 28')	3/15/01	< 10	< 10
JC#3-L (E. Wall)	2/20/01	< 10	20)1	JC#3-1 (F	(loor 15		3/16/01	< 10	< 10
JC#3-M (S. Wall)	2/20/01	< 10	< 1	0	JC#3-m			3/16/01	< 10	< 10
JC#3-N (N. Wall)	2/20/01	< 10	< 1	0	JC#3-n (W. Wall)		3/20/01	< 10	< 10
JC#3-O (W. Wall)	2/20/01	< 10	85	0	JC#3-o ()	N. Wall)		3/20/01	< 10	< 10
JC#3-P (E. Wall)	2/20/01	< 10	17	7	JC#3-p (E. Wall)		3/20/01	< 10	< 10
JC#3-Q (Floor) 8'	2/21/01	< 10	4	9	JC#3 - q (Floor 15')	3/20/01	< 10	< 10
JC#3-R (2')	2/21/01	< 10	26	54	JC#3-u (Floor 17")	3/23/01	< 10	< 10
JC#3-S (W. Wall)	2/22/01	< 10		32	JC#3-v ()	N. Wall)		3/23/01	< 10	< 10
JC#3-T (N. Wall)	2/22/01	< 10	< 1	_	JC#3-w (3/23/01	182	2557
JC#3-U (E. Wall)	2/22/01	< 10	< 1		JC#3-x (3/23/01	< 10	< 10
JC#3-V (S. Wall)	2/22/01	< 10	<]	_		S. Floor 2		3/28/01	47	584
JC#3-W (Floor) 3.5'	2/22/01	< 10	<]			N. Floor 2		3/28/01	< 10	133
JC#3-X (W. Wall)	2/22/01	< 10	< 1	_		(N. Wall)		3/28/01	< 10	< 10
JC#3-Y (E. Wall)	2/22/01	< 10	<]			(NE Wal	l)	3/28/01	< 10	< 10
JC#3-Z (Floor) 10'	2/22/01	17	45	6	JC#3-cc			3/28/01	< 10	< 10
					JC#3-dd	(SE Wall)	3/28/01	992	5227

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

Form C-141

Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

				OPERA	TOR	II 🔲	itial Report	Final Report					
Name of Co		Emanar, Eigl	d Camiaa	g Ino	Contact Mr. Steve Weathers								
Address	Duke	Energy Fiel	u Service	S IIIC.	Telephon		weathers						
Ī	P. O. Box	5493, Denve	r, Colora	ado 80217	(303) 605-1718								
Facility Nan	ne				Facility Type								
		Site Name	: JC #3			Natural G	as Pipeline						
Surface Own				Mineral Owner			Lease N	No.					
(New	Mexico (State Land (Office)		Unkn	own							
47				LOCATION (OF RELI	EASE							
Unit Letter	Section	Township	Range		Latitude		ongitude	County					
D	30	20S	37E	North/South Line	° 33.7' N	East/West Line	° 19.5' W	Lea					
	30	200	3711	32	33.7 14	100	15.5 11	<u> </u>					
	<u> </u>	···	· · · · · · · · · · · · · · · · · · ·	NATURE O									
Type of Relea	ise	Conden	anta		Volume of	Release Unknown		Recovered 20 30 yd ³ soil removed					
Source of Rel	ease	Conden	sate		Date and I	Hour of Occurrence		and Hour of Discovery					
		Pipeli	ne			Unknown		Unknown					
Was Immedia	te Notice C	iven?	Yes	No Not Required	If YES, To	Whom? Donna Williams, I	NMOCD Dis	trict 1					
By Whom?					Date and I	lour							
Was a Water	Page Bage	Steve We	athers		IF VES. V.	olume Impacting the Water							
was a water	ourse Reac		Yes	No	N/A	nume impacting the water	acourse.						
If a Watercou	rse was Imp	pacted, Descr	ibe Fully.				;						
N/A							•	·					
Describe Cau	se of Proble	em and Reme	dial Actio	n Taken.*		,,-77-0							
				corrosion of steel pipelin									
				work. Removal of impacermined that he was not the			vho claimed 1	to be					
Describe Area	Affected a	nd Cleanup A	Action Tal	ten.*									
On 2/19/01 o	ver-excava	tion was initia	ated. Exca	vation continued until 3/2	8/01. At the	completion of excavation	activities al	l areas had GRO and					
and southeast	vall (GRO	=992. DRO=:	18 below 1 5227) of th	100 mg/kg, with the excepte easternmost excavation.	tion of the e Excavation	ast wall (GRO=182, DRC dimensions varied because	≔2557), sou there were	th floor 20' (DRO=584) six separate areas being					
excavated (ma	ap attached). Approx. 6,	930 cu yd	s of soil was transported to	the C&C L	andfarm. Backfilling of e	xcavation and	d re-seeding of area was					
completed on	5/18/01. C	losure report,	analytical	results, photographs, and is true and complete to the	site map ar	e attached.	. 141 4	14) D (OOD 1					
and regulation	s all opera	tors are requi	red to repe	ort and/or file certain relea	ase notificat	ons and perform corrective	nd that purst re actions for	releases which may					
endanger pub	lic health o	r the environn	nent. The	acceptance of a C-141 rep	ort by the N	MOCD marked as "Final	Report" does	not relieve the operator					
of liability shows	ould their o	perations hav	e failed to	adequately investigate and lition, NMOCD acceptance	d remediate	contamination that pose	a threat to gr	ound water, surface					
compliance w	ith any other	er federal, sta	te, or loca	I laws and/or regulations.	C 01 a C-141	report does not reneve ti	ie operator of	responsibility for					
	0					OIL CONSERVA	TION DI	VISION					
Signature:	X/C	W-			A • •	L							
					Approved District Su			į					
Printed Name	: Steph	en Weathers				•							
Title:	Envi	onmental Spe	cialist		Approval I	Date:	Expiration	Date:					
Date:	9/01			ne: (303) 605-1718	Conditions	of Approval:		Attached					
* Attach Ad	ditional SI	neets If Nece	ccarv										

1 - (505) 393-6161 50x 1980 s. NM 88241-1980 11 - (505) 748-1283

. NM 88241-1980 II - (505) 748-1283 First NM 88210

ict III - (505) 334-6178 Bio Brazos Road IM 87410

<u>IV</u> - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8.8 %

> Submit Original Plus 1 Copy to appropriate District Office

Verbal Approval Received: Yes No Solution Management Facility Destination **Location of Material (Street Address or ULSTR) **Location of Material (Street Address or ULSTR) **Circle One: A.) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the		
Verbal Approval Received: Yes No 5. Originating Site Barreaus Cust Management Facility Destination	REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
Management Facility Destination		Dune ENERGY FS.
3. Address of Facility Operator Monument, Nm Location of Material (Street Address or ULSTR) E - 30 - 205-37E Circle One: A.) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	Verbal Approval Received: Yes No	5. Originating Site GATHERING LING
Location of Material (Street Address or ULSTR) $E = 30 - 20S - 37E$ Circle One: A.) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	Management Facility Destination C & C LAND FARM	6. Transporter ALLSTATE ENV.
Location of Material (Street Address or ULSTR) $E = 30 - 20S - 37E$ Circle One: A.) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	3. Address of Facility Operator Monument, NM	8. State NM
A.) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	•	
B All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport. SBIEF DESCRIPTION OF MATERIAL: FROM INE LEAK	A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned. SEEF DESCRIPTION OF MATERIAL: Exempt 016 Courtain	ompanied by necessary chemical analysis to son of origin. No waste classified nazardous by sed for transport.
TYPE OR PRINT NAME:	TYPE OR PRINT NAME:	lent DATE: 2/20/0,

1625 N. French Dr Hobbs, NM 88240 District 11 - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131 2040 S. Pacheco Santa Fe, NM 87505

New Mexico

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Submit to OCD Permitted Surface Waste Management

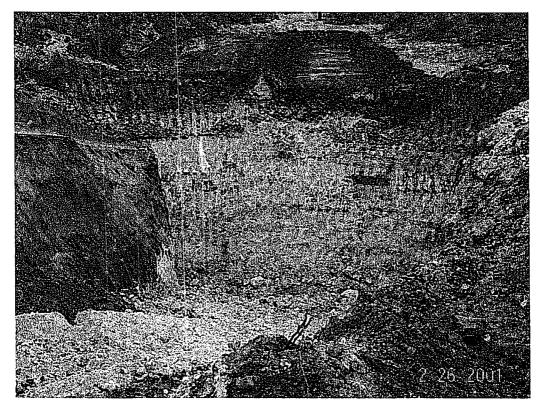
Form C-143

3/15/00

Facility

GENERATOR CERTIFICATE OF WASTE STATUS

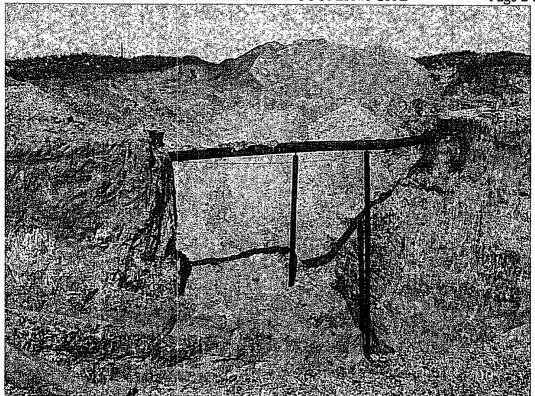
1. Waste Generator Name and Address: Duke Energy Field Services PO Box 5493 Denver (0 80217	2.Permit Number (if waste generated at an OCD permitted facility)
3. Description of Waste and Generating Process:	Location of Waste (Street address &/or ULSTR):
Historic line leak Exempt wil field waste	Sec 30 T205, R37E (Unit E)
5. Destination (Surface Waste Management Facility): (& C Lind Farm, Monument, NM 7. Estimated Volume 1000 (cylobls	6. Transporter:
For NON-EXEMPT waste only, the following documentation is	s attached (check appropriate items):
MSDS Information	RCRA Hazardous Waste Analysis (With Chain of Custody).
Other (Description)	
Senerator certifies that, according to the Resource Conserva Agency's July 1988 regulatory determination, the above desc	tion and Recovery Act (RCRA) and the Environmental Protection ribed waste is: (check appropriate classification)
EXEMPT oilfield waste.	NON-EXEMPT oilfield waste that is non-hazardous pursuant to 40 CFR Part 261. (Attach appropriate documentation)
waste does not contain Naturally Occurring Radioactive Mate	
Generator Signature:	Date:/ 19/01
rint Name: Steve Weathers	
Title: En Specialis!	Date: 4/14/01



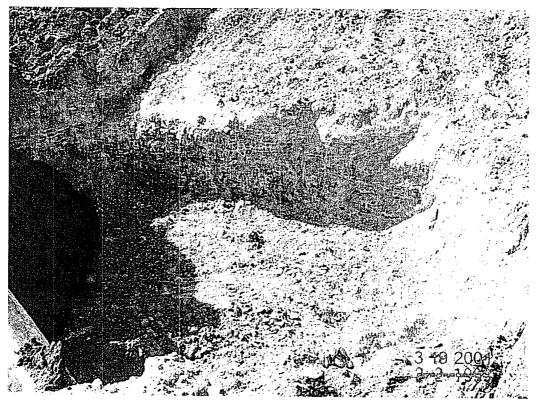
JC3-25 View facing south showing southernmost excavation at JC#3 site



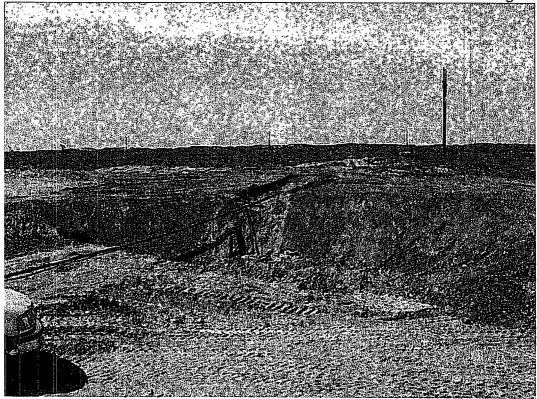
JC3-28 View facing south of excavation just to the south of pipeline right of way.



JC3-62 View facing NE of westernmost excavation beneath pipeline.



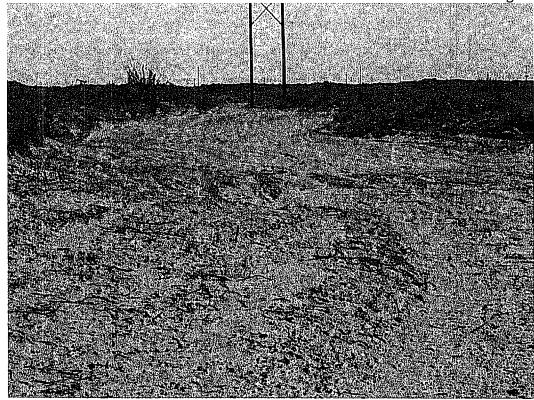
JC3-64 Floor of westernmost excavation beneath pipeline.



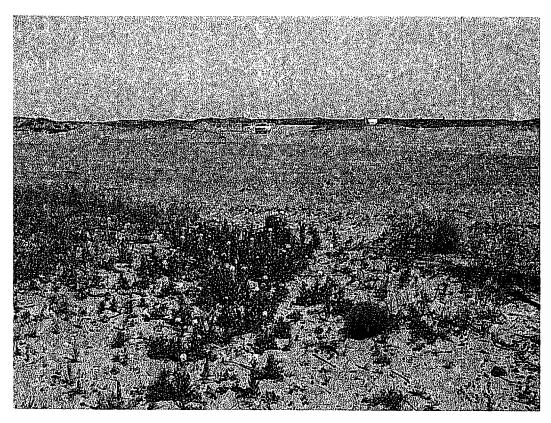
View facing southwest showing continued excavation towards the east after backfilling westernmost excavation and placing pipeline support.



JC3-87 View facing southeast showing floor, east and south walls of easternmost excavation.



JC3
-841 View facing southwest showing backfilled area of excavated areas south of the pipeline.



JC3-840 View facing east showing backfilled area of northern excavated areas.

ATTACHMENT B

LABORATORY ANALYTICAL REPORTS

AND

CHAIN-OF-CUSTODY DOCUMENTATION

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field services

Project Location: Sec 30 T20S R37E

Sampling Date: 02/19/01 Receiving Date: 02/19/01 Analysis Date: 02/19/01

ELT#	FIELD CODE	120S R37E	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	
37486 37487 37488 37489 37490 37491 37492	JC #3-A (Floor) JC #3-B (Floor) JC #3-C (Floor) JC #3-D (Floor) JC #3-E (Floor) JC #3 Exc. Soil- JC #3 Ec. Soil-	2' 2', /on / 6 1/2'	<10 <10 63 <10 78 164 89	<10 <10 447 191 393 550 591	
	% IA %EA BLANK		99 93 <10	93 85 <10	

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

. ___

2-20-01

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/ Iced/ 1 deg. C

Project #: P/6846/1C

Project Name: Duke Energy Field Services

Project Location: Sec 30 T20S R37E

Sampling Date: 02/19/01 Receiving Date: 02/19/01 Analysis Date: 02/19/01

Project Location	on: Sec 30 1203 K374	BENZENE TOLUENE ETHYLBENZENE	m,p-XYLENE o-XYLE mg/kg mg/k	
ELT# 37491	FIELD CODE JC #3 Exc. Soil-AE	mg/kg mg/kg mg/kg <0.025	0.242 <0.02 <0.025 <0.02	
37492	JC #3 Exc. Soil-BCD	CO.025		

			*** *** *** ***			
%IA		. 90	94	95 07	92 94	94 97
%EA		91 <0.025	<0.025	<0.025	<0.025	<0.025

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

2-70-01 Date



Nº 13589

Chain of Custody

Date 2-19-01 Page 1 of 1

															_				<u> </u>	-9		_ ``-			
Lab Name: 5000000000000000000000000000000000000	nenta) L	ab of	Texas										Ana	ysis	Rec	ques	t								
Address: 12600 W	7-20 (F		l				Į							l	1								Į	
Telephone: 915/56	× 791	6)		1													}							ĺ	
Telephone: 415/56	3-1800			<u></u>	<u></u>						l		l_		ļ									l	ije.
Complete (SICNATHMES)	/			8021B)	021E	270)	ê	စ္ထြ	E.	6	[15G	150	Ē	, s	l									onte
Samplers (SIGNATURES)	1 A	_		A 8(₩ ₩	8 4	82	4 82	14	9	ĺg	8	8	190	ijo	इह	s s				ļ			-	္မွ
1 91/2 N	/. /\S			Ü,	E E	E C	EP/	(EP)	[EP	Ė	Ė	(EP,	(EP/	EP/	s/Cs	Met	⊠							Ī	þer
Sample Identification	Matrix	Date	Time	втех (ЕРА	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	ТРН (ТХ-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals	ŀ						l	Number of Containers
	1 (1		1410		_	0,	_	ŕ		F	Γ-	~	1	_		-		\vdash			7	- J1	01		$\bar{\mathcal{T}}$
JC#3-A(Floor)8	20:	2-19-01		-	-			<u> </u>	├	-	-	\ <u>`</u>	-	├	├	-							86		
JC#3-B(F)00/2	361	2-19-01	1445	-	 			ļ	<u> </u>			_	/		<u> </u>	<u> </u>	ļ	ļ	ļ		_3	74	8.7		
JC# 3-C(ADOV) 2'	5011	219-01	1500									_	1				<u> </u>				3	74	88		1
JC#3-D(Floor)3/201	501	2-19-01	1505									v	/					<u> </u>			3	74	39		1
JC#3-E(Floor) 6/2.	5011	2-19-01	1535									1	/								3	14	90		1
JC43 Exc. Soil-AE	Seil	2-19-01	1430	~								/	~									74	1		1
JC#3 Exc. So: 1-BCD	Soil	2-19-01	1510	✓								7	/								3	74	92		1
			disellenten kole en av	,																					
		<i>*</i>	2051																						
Project Information		Sam	ple Receipt		Relin	dushe	d By:	n	1	•	(1)	Relin	quishe	d By:			1	(2)	Relind	quishe	d By:		····	((3)
Project Name: Dyke Enorgy Fiel	1 Souvetor	Total Contains	ers.	7	1	111	6		5	17	230-	_			_										
Project Location: Sec 30 7205 R	27-6-	COC Seals:		/	(Signal	John Jan	.D.	المحاول			ime)	(Signat	ture)	-		-	_ (1	Time)	(Signat	ure)				(Ti	me)
Project Manager: (23) Van Deven		Rec'd Good C	ond/Cold:	Ĺ	(Printer	d Name		7.			Date)	(Printed	d Name)		·	(Date)	(Printed	Name)				(D)	ate)
Cost Center No.: P/6846/1 C		Conforms to F	Secords:		(Comp							(Comp	any)						(Compa	any)					
		Lab No.:			Rece	ived B	y:				(1)	Rece	ived B	y:				(2)	Recei	ved B	/ :			(3	3)
Shipping ID No.:			ec 1°C		10	L	. 4	, Ir	_	\															
P O No.: Special Instructions/Comments: 0) a					(Signal	ture)	ι a	14	لادور) <u>-/</u>	7 <i>30</i>	(Signat	ture)				n	Time)	(Signat	ure)				Ti	me)
Special Instructions/Comments: Please invoice to: Duke Energy Field Services ATTN! Steve Weather		125	/2	ula	10	170	11/2	(1	19-01		d Name	Λ.				Date)	L	l Name)					ate)		
DIA CHAZ D	л л л С =	A. 0 16V	- WEA !!!	,	(Comp	40	1				-alej						(Ĭ					ر,	
P. U. Box 5493, Denve	er, (0	80217			(comp	arly)						(Comp	any)						(Compa	any)					

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701 FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1.5 deg C

Project #: P/6846/1C

Project Name: Jimmy Cooper #3

Sampling Date: 02/20/01 Receiving Date: 02/21/01 Analysis Date: 02/21/01

Project Location: Unit E, Sec 30, T20S, R37E ELT# FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	
37508 JC-3F (Floor) (3') 37509 JC-3G (Floor) (2') 37510 JC-3H (Floor) (3')	10 <10 <10	541 <10 <10	
% IA %EA BLANK	93 114 <10	87 110 <10	

Methods: EPA SW 846-8015M GRO/DRO



Nº 13604

Chain of Custody

Date 2/23/01 Page 1 of 3

· · · · · · · · · · · · · · · · · · ·																								_	
Lab Name: Fhyliah W Address: 12600 W	ental L	nb of	Teras							•			Ana	lysis	Red	ques	t								
Address: <u>12600 W</u>	I-20 E	<u> </u>		l																					
Telephone: 0 dessa,	Tx 7.	9765		l			l	l	1	l		l			l			1	1					[, o
Telephone: 915/15	67-170	υ														1					1		1 1		iner
				21B)	218	6	6	6	F		l_	(<u>Ş</u>	Ω̂	F	1				ľ		ļ		1 1		onta
Samplers (SIGNATURES)	•			8	A 80	A 82	827	826	418	902	99	8	8	160	ions	2	S.	1	1		1		1 1	- 1	ပို
Dal Title	New			BTEX (EPA 8021B)	(EP	(E)	(EPA	(EPA	(EPA	Ę.	T-X-	(EPA	(EPA	(EPA	s/Cat	Meta	Meta	}							ber c
Sample Identification	Matrix	Date	Time	E E	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	ТРН (ТХ-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals	İ							Number of Containers
JC-3 F (Hoor) (3")	So:1	2/20/01	1455									V	マ						3	7	5	0	8		1
JC-3 G (floor) (2")	Soil	"	1550									V	V						3	7	5	0	9		1
JC-3 H (2100+) (3')	Soil	(~	1620									-	V						3	7	5		Ó		1
·																									
												ļ													
																	<u> </u>								!
Project Information		Sam	ple Receipt		Relin	quishe	ed By:				(1)	Relin	quish	ed By:				(2)	Relin	quish	ed By:			((3)
Project Name: Jimmy Cooper	#3	Total Contain	ers:	3	1		T	ill	ملتوم		-		•												
Project Location Will E. Sec 30, 72	05, R37E	COC-Seals:			(Signal	21-6	71	_,++1	yohu	1 2	ime) / 1 ((Signa						Time)	(Signat						ime)
Project Manager: G!) Van Dever	nter	Rec'd Good C	ond/Cold:	1.5%	T	d Name کیک	·)			2-21-1	Date)	<u> </u>	d Name	=) 				Date)		d Name	•)		<u></u>	(D	oate)
Cost Center No.: P/6846/1C		Conforms to I	Records:	<u> </u>	(Comp					003		(Comp							(Comp						
Shipping ID No.:	,	Lab No.:		Received By: (1)				Rece	eived E	By:			1	(2)	Rece	ived B	By:			(;	3)				
P O No.:			るも子		۵	مم	. س	me	m	معد	,	<u> </u>													
Special Instructions/Comments: 13:11 direct to				(Sigoal	ture)	oe i			4্প	īme)	(Signa	iture)				. (1	Time)	(Signat	ture)				(Ti	ime)	
Duke Energy Field Servi	ces ATT	N. Steve	Weather	Ś	(Printed Name) (Date) (Printed Name) Environmental Lab IX		nted Name) (Date)			e) (Printed Name) (Date			ate)												
Special Instructions/Comments: (3:1) direct to: Pulce Energy Field Services ATTN: Steve Weather POBAX 5493, Densey CO 80217				(Comp					-21-0)	(Comp	oany)						(Comp	any)						

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TRW:INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818

MIDLAND, TEXÁS 79701 FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1.5 deg C

Project #: P/6846/1C

Project Name: Jimmy Cooper No.3

Project Location: Unit E, Sec 30, T20S, R37E

Sampling Date: 02/20/01 Receiving Date: 02/21/01 Analysis Date: 02/21/01

	ELD CODE		DRO C10-C28 mg/kg	
37512 Je 37513 Je 37514 Je 37515 Je 37516 Je 37517 Je 37517 Je 37517	C3-I (South Wall) C3-J (North Wall) C3-K (West Wall) C3-L (East Wall) C3-M (South Wall) C3-N (North Wall) C3-O (West Wall) C3-O (West Wall)	<10 <10 71 <10 <10 <10 <10 <10	400 <10 897 201 <10 <10 850	
% % %	o IA bEA LANK	93 114 <10	87 110 <10	

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

Date



Nº 13620

Chain of Custody

Date 2/20/01 Page 2 of 2

																			·	age					
Lab Name: Engivery	intal hal	77 et_	Texas	L				,					Ana	ysis	Rec	ues	t						· · ·		
Address: <u> 12 600 ს</u>]														l ,				
Tolonhana	TX	9765								1											, [,]				S.
Telephone: 915/56	3-1800			e e	<u>6</u>			1	1	ľ		[@	ا				l			, 1	l '		1	- 1	aine
Samplers (SIGNATURES)				3021	8021	8270	6	560)	18.1)	<u>Ω</u>	ြု	9150	015C	<u>(</u>	ဍ			İ							Sont
Doe7 Stules	1			PA	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals								Number of Containers
200 Julios		····		EX (EPA	BE (8	Ξ.	C (E	H (F	E	E	0	O (E	S (EF)/suo	al Me	9 ≥								mbe
Sample Identification	Matrix	Date	Time	ВТ	₹	જ	₹	8	P	르	<u>P</u>	8	DR	4	Ā	Tot	5						\sqcup		ž
JC3-I (south wall)	Soil	2/20/01	1658							<u> </u>		V	~							3	7	5			1
JC3-J (North Wall)	10	1.	1659				<u> </u>		_			V	~							3	7	5	12		1
1 (West (Well)	1.	()	1700								<u> </u>	V	V							3	7	5	13)
JC3-L (cost Wall)	1.	/ (1701									V	レ							3	7	5	14		l
																		(2	B.	g	7	փ	15	•	
JC3-M (South Wall)	Sail	2/200	1710									V	\					7		3	2	5	15		1
JC3-N (North Wall)	(~	1.	1711									V	\							3	7	5	ig		1
JC3-0 (WAST WALL)	11	14.	1712									V	· ~							3	7	5	187)
JC3-P (East Wall)	1 <		1713									V	~							3	7	5	18		1
Project Information		Sam	ple Receipt		Relir	quish	ed By:				(1)	Relin	quishe	d By:				(2)	Relind	uishe	d By:			(3	3)
Project Name: Jimmy Cooper No.	3	Total Containe	ers:	8		0.7	لللأ	لحرعا																	
Project Location: Unit E Sec. 30		COC Seals:		<u> </u>	Na	iture)	Litt	1 rysk	ч	2	Time)	(Signat						ime)	(Signat	:				(Tim	
Project Manager: Gil Vau Deveu	ter	Rec'd Good C	ond/Cold:	1.500	1丁%	d Name	=)			2-21	Date) -0)	(Printe)			([Date)		d Name)	1			(Da	te)
Cost Center No.: P/6346/1C		Conforms to F	Records:	1.	(Com	pany)				08	35	(Comp	any)						(Compa	any)					
Shipping ID No.: Hand Delivered	`	Lab No.:			Rece	eived E	By:			1	(1)	Rece	ived B	y:			((2)	Recei	ved B	y :			(3)
P O No.:						ature)	er	nu	nu	mg/	•	l													
Special Instructions/Comments: $B_{i}T_{i}$	Direct	To:			(Signa	iture)	~ ~	760	nu	724	Time)	(Signat	ure)				(1	îme)	(Signat	ure)				(Tim	ıe)
Duke Enersy Field	Servic	es, Attu	. Steve Weatho	•v°	(Printe	d Name	e)			(Date)	(Printed	Name)			((Date)	(Printed	d Name)	i			(Da	te)
P.O. Box 5493, Denver	(O. 807	ر رس درس		د	(Com					-21-		(Comp	any)						(Compa	any)					
																						_			

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1 deg C

Project #: P/6846/1C

Project Name: Jimmy Cooper #3

Project Location: Unit E, Sec 30, T20S, R37E

Sampling Date: 02/21/01 Receiving Date: 02/21/01 Analysis Date: 02/21/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	
37569 37570	QC (Floor) 8' R (2')	<10 <10	49 264	

% IA	,				93	87
%EA		* .			114	110
BLANK				•	<10	<10

Methods: EPA SW 846-8015M GRO/DRO



Nº 13610

Chain of Custody

Date 2:21-01 Page / of /

										_								170	<u> </u>	age _		_ 0, _		_	
Lab Name: Environne Address: 12600	ntal La	s of Texa	es		· · · · · · ·	,							Ana	lysis	Red	ues	t								
Address: 12600	W I-20	E							l																
Telephone: 0 dessa, 5	Tx 797	65		1	1																			ŀ	2
Telephone: 915/56	,7- /800			m m	 ⋒																		1		aire
Samplers (SIGNATURES)	10 1			021	3021	3270	(0/	<u>@</u>	8.1	G	6	150	155	0.1)	ıΣ									ľ	ont
	-			PA 8	PA	PA	A 82	A 82	A 41	É	Ę	Α 8	A 80	A 16	atio	als	stals) jo
/ LI Van A				BTEX (EPA 8021	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	Ě	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	D/SI	ĭ¥	TCLP Metals								Number of Container
Sample Identification	Matrix	Date	Time	BTE	MTB	svo	РАН	00	TPH.	표	TPH (TX-1006)	GRC	DRC	TDS	Anions/Cations	Total Metals	10F								N
Q(Floor) 8' R(2')	Soil	2-21-01	1500									1	1						3	7	5	6	9)
R (2°)	Soil	2-21-01										~	/						3	フ	5	フ	0		,
		1 01	1210	1	 				 	 		<u> </u>			-		\vdash								
				\vdash	├	\vdash		-							-	ļ	-	<u> </u>	-				\vdash		
·				+					-	-				-					_				\vdash		
	<u> </u>			-	<u> </u>	<u> </u>			ļ	<u> </u>	<u> </u>						 						\longmapsto		
				↓	<u> </u>				ļ	<u> </u>							<u> </u>								
· · · · · · · · · · · · · · · · · · ·																									
·																									
				 					 				<u> </u>						 						
Project Information	L	Sam	ple Receipt		Relin	quishe	d By;		<u> </u>	L	(1)	Relin	quishe	ed By:		1	L	(2)	Reline	quishe	d By:		<u>L</u>	((3)
	.7			T	U.	1//		F	,	74															
		Total Contain	ers:	╂	(Sjgra	ture)	<u>who</u>	<i>1</i> 5				(Signa	ture)				(1	īme)	(Signat	ure)				(Ti	me)
Project Location: Unit E, Sec 30 120	S K STE	COC Seals:		-		d Name	1/2	Ven	rev		<i>)-6</i> (Date)	(Printe	d Name	e)			([Date)	(Printed	l Name)	1			(D	ate)
Project Manager: 4!1 Van Deven	iter	Rec'd Good C	ond/Cold:	100	(Comp	Rh/					,	(Comp							(Comp						
Cost Center No.: P/6946/1C		Conforms to F	Records:	<u> </u>									•												
Shipping ID No.:		Lab No.:	•		Rece	ived B	y:		$\overline{}$	((1)	Rece	ived B	By:			((2)	Rece	ved B	y:			(3	3)
P O No.:					<i> [c</i>	ul	-dl	1/10	to	-17	40							:							
Special Instructions/Comments: Please 1	núarie to	7	4 ():		(Sign	ture)	ad i	t To	He	7.	ime) 21-01	(Signa	ture)				(1	ime)	(Signat	ure)				(Ti	me)
Duke Energy Field Servi	ices AT	TN: Steve	. Weathe	15	(Printe	d Name	7			(1	Date)	(Printe	d Name	e)			([Date)	(Printed	l Name)	· · · · ·			(D	ate)
Shipping ID No.: PONo.: Special Instructions/Comments: Please I Duke Energy Field Servi P.O. Box 5493, Denve	v Co	B0217			(Comp	any)						(Сотр	any)						(Comp	any)					\neg
		<u> </u>			1		-										0:	Audhor Ad		ita C		1	aton. /	mint. 7	EDIA/

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ -2.0 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services Project Location: Sec 30, T20S, R37E

Sampling Date: 02/23/01 Receiving Date: 02/23/01 Analysis Date: 02/23/01

ELT# FIELD CODE	GRO DRO C6-C10 >C10-C28 mg/kg mg/kg	
37598 JC #3-S (W.Wall) 37599 JC #3-T (N. Wall) 37600 JC #3-U (E. Wall)	<10 32 <10 <10	
37601 JC #3-V (S. Wall) 37602 JC #3-W (Floor) 3.5' 37603 JC #3-X (W. Wall)	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10	
37604 JC #3-Y (E. Wall) 37605 JC #3-Z (Floor) 10'	<10 <10 <10 <10 17 456	
% IA	119 112	
%EA BLANK	117 107 <10 <10	

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

2-26-01



Nº 13599

Chain of Custody

Date 2/22/01 Page 1 of 1

Lab Name :	, 1												_											
Lab Name: Environm	rostal L	ab ot 1	exas		_	1			1	T		1	Ana	lysis	Rec	lues	t	ı	1					
Address: 12 (60 W.	T-20 E	745			į .							į.			ļ	l						ļ		
Telephone: Odessa	3-180D	143		1																				ers
			· · · · · · · · · · · · · · · · · · ·	8021B)	<u>6</u>	<u>6</u>			_			စ္ထြ	Ω	_						1 1				ntair
Samplers (SIGNATURES)	1			802	802	4 82	8270	8260	418.1	902	900	801	8015	160.1	ons	S	s			,				Ş
John	ty			(EP/	EP.	(FP)	EPA	EPA	PA	×	7X-1	EPA	EPA	EPA	/Cat	Metal	Meta							o Jac
Sample Identification	Matrix	Date	Time	BTEX	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	ТРН (ТХ-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals					į		Number of Containers
jc#3-S(W. Wall)	Soil	2/13/01	0930									V	V					3-	159	8				1
JC#3-T(N. Wall)	Soil	2/23/01	0940									V	1						75°					1
JC #3 - U (E. Wall)	Soil	2/23/01	09.50									1	1					3	76		5			1
UC#3- V(S. Wall)	Soil	2/23/01	1000									V	V					3	76	0				
1C#3- W(Floor) 3.5'	Soil	2/23/01	1015							ļ			1					3	26	03	}			1
JC#3- X (W Wall)	Soil	2/23/01	1130									V	1		<u> </u>					20	3			
JC#3- Y (E. Wall).	Soil	2/23/01	1140	igg	<u> </u>					<u> </u>		/	1		ļ			3-	20	<u></u> 0 (f	34.	\perp	
JC#3- Z (Floor) 10'	Sail	2/23/01	150			<u> </u>			<u> </u>	ļ	<u> </u>	1	1					3	76	ان	5			\bot
																							\bot	
															-									
Project Information		Sam	ple Receipt		Relin	quishe	ed By:				(1)	Relin	quish	ed By:				(2)	Reline	quishe	d By:			(3)
Project Name: Duke Energy Field	Services	Total Contain	ers:	87	al	-Ju	_			15	18													
Project Location: Sec 30, 7205	37 <i>E</i>	COC Seals:			(Signa	ture)	ru KL	h		2/2	me)	(Signa	ture)				<u></u>	ime)	(Signat	ure)				(Time)
Project Manager: Gil Van Deve	wter	Rec'd Good C	Cond/Cold:	20	(Printe	d Name	Inc				Date)	(Printe	d Name	e)			(0	Date)	(Printed	d Name)	1			(Date)
Cost Center No.: P/6846/16		Conforms to I	Records:		(Comp	any)						(Comp	any)						(Comp	any)				
Shipping ID No.:	Center No.: P/G846/1C Conforms to Records:				Rece	ived B	y:				(1)	Rece	ived E	Ву:			((2)	Recei	ived By	y:			(3)
P O No.:					_	e an	n n	m	cm	un	/ L													,
Special Instructions/Comments: Plus	c Invoice	e to:			(Signal	ture)	~~	MC	M	(1	inde)	(Signat	ture)				(T	ime)	(Signat	ure)				(Time)
Special Instructions/Comments: Pleas Ouke Energy Field Servic Attn: Steve Weathers	es	-			(Printe	CA ed Name V \ O	me	otal	الماما	Tx	Date)	(Printe	d Name	e)			([Date)	(Printed	d Name)	1			(Date)
P.D. Box 5493, Denver	CO 8	0217			(Comp	pany)				23.	3'	(Comp	any)						(Comp	any)				

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818

MIDLAND, TEXAS 79701 FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 6.5 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services Project Location: Sec 30, T20S, R37E Sampling Date: 02/26/01 Receiving Date: 02/26/01 Analysis Date: 02/27/01

		GRO C6-C10	DRO >C10-C28
ELT#	FIELD CODE	mg/kg	mg/kg
37666	JC #3-a (Floor) 12'	<10	<10
37667	JC #3-b (S. Wall)	<10	<10
37668	JC #3-c (W. Wall)	<10	263
37669	JC #3-d (E. Wall)	<10	<10

% IA				99	90
%EA	The second second		2	89	110
BLANK		•		<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

Z-27-0/



Nο 13621

Chain of Custody

Lab Name: Environ Mental Lat Address: 12600 W I-20 E	T to d	<x0<< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>_</th><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></x0<<>											_	-									
Address: 12600 W I-20 E												Ana	lysis	Rec	ues	t							
Telephone: 915/563-1800			ļ																	Ī		1	υ
lelephone: 415/563-1800			e e	e e										1									aine
Samplers (SIGNATURES)			021	3021	3270	<u>6</u>	(09	8.1)	ଜ	ြ	156	150	0.1	δ.						İ			jud
Samples (SIGNATURES) Dal 2 Lottler	do		3TEX (EPA 8021B)	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals						•	Number of Containers
Sample Identification Matrix	Date	Time	вте	MTB	OAS	PAH	Noc Noc	TPH.	H _H	TPH.	GRO	DRO	TDS	Anion	Total	TCLF							NEW
JC#3-a (Floor) 12' soil 3	2/26/01	1440									✓	~					3	7	6	6	4		1
JC#3-6 (5.00411) 1-	()	1500									~	5					3	?	6	6	7	-	Ţ
1 6 3 - C (W. Wall) 1.	i ~	1305									~	レ					3	7	Le	6	8		1
JC"3-01 (E.Wall "	i,	1510									レ	ار					3	7	4	6	9		Ì
	•																						
Project Information	Samp	ole Receipt		Relind		•				(1)	Relin	quishe	ed By:				(2)	Reline	quishe	ed By:	_		(3)
Project Name: Dake Energy Field Serv. To	otal Containe	rs:			50	Lu	lost	٨		-				-		-							
	OC-Seals:			(Signat	ure)	C1+1	Mak 1		77	ime)	(Signat	ture)				<u>(T</u>	ime)	(Signat	ure)			 <u>(Ti</u>	ime)
_	Rec'd Good Co	ond/Cold:	6,50	(Printed	Name Rw) , lu	۷.	(2226	Date) -01	(Printer	d Name) .			(0	Date)	(Printed	d Name	e)		(D	oate)
N. I. I. I.	onforms to R	ecords:		(Compa							(Comp	any)						(Comp	any)				
Shipping ID No.:	ll ah No ·								((1)	Rece	ived B	y:			((2)	Recei	ived B	By:		(3)
P O No.:	ng ID No.:						nom	ine	4														
Special Instructions/Comments: Please 14001c	a to			(Signat	ure)	ъ-М	1911	NE	# (T	ime) 700	(Signat	ture)				(Ti	ime)	(Signat	ure)			(Ti	ime)
Duke Evan Field Serv. Attu	lame: Dake Energy Field Serv. Total Containers: ocation: Sec. 30, T205, R37 E COC Seals: lanager: Cil Van Neruter Rec'd Good Conc oter No.: P/6846/1C Conforms to Reci ID No.: Instructions/Comments: Please 1400 Ex to E Every Field Serv. Attu Steve)	•	······································	7 (i	Date)	(Printed	d Name	:)			(0	Date)	(Printed	d Name	•)		 (0	ate)
P.O. Box SO93 Denveu CO	80	217		(Compa	any) Vì <i>ro</i>	nne	stal		oof.		(Compa	any)						(Comp	any)				

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ -3 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services Project Location: Sec 30, T20S, R37E Sampling Date: 02/27/01 Receiving Date: 02/28/01 Analysis Date: 02/28/01

2 TO 4 1 TO					GRO	DRO	
ELT#	FIELD CODE			 ••	C6-C10 mg/kg	>C10-C28 ma/ka	
37758	JC #3-e (W. Wall)	 	v	10.	~10	~10	

% IA %EA BLANK 111 108 117 99 <10 <10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

Z-0/-0/



Nº 13611

Chain of Custody Date 2/28/01 Page 1 of 1

l ah Name: 15.	: + 1 1	1 -1 7	<i></i>	T									Λna	lysis	Pag	11100	+								—
Lab Name: Environm Address: 12600 W. Odessa Telephone: 915-563	T-70 G	ub ot 1	EXUS_	1	T	1	Γ'	<u> </u>	T		<u> </u>	Τ	Alla	lysis	Red	lues	1							Т	
Darsea	Tx 79	765					İ	İ				ł			İ										
Telephone: 9 (5 - 5%)	3 - 1800											ĺ	}												ers
				<u>6</u>	218)	é		6	=			ဖြွ	<u>@</u>	ا ا]		ntair
Samplers (SIGNATURES)				7 80X	80	A 82	8270	826(418.	989	900	8	801	9	ions	_s	<u>≅</u>							ı	ပ္ရို
$() \land \exists.$				(EP/	(EP)	(EP)	Αd	EPA	PA	Σ	Ϋ́	EPA	EPA	A	/Cat	Netal	Meta]							er o
Sample Identification		T D-4: T	Time	втех (MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals								Number of Containers
	Matrix	Date		<u>m</u>	Σ	S	a`	Š	F	F	F	U	<u> </u>	F	₹	ř	F			,		,	-+	-+	픠
JC#3-e (W. Wall)	Soil	2/27/01	1630	ļ	 		<u> </u>		↓	ļ	ļ	1	V		<u> </u>		<u> </u>		3	7/	58			_	\Box
`. !			_				İ			İ							İ								
	,			Ţ																					
				 					t^-	l				一		 	†								\neg
				+	┼──	 		 	+-	 	-	 		├	 	 	 						\dashv		\dashv
			 ;	 	ļ	 -	ļ		 	 		 	ļ	├-	<u> </u>		ļ				\vdash		 -		\dashv
									<u> </u>	<u> </u>		<u> </u>		<u> </u>	L		L								
										1															
			- <u></u> -	1			 		1	 		 	\dagger	_				1					$\neg \dagger$	_	\dashv
		 		┼	 			_	-	 		├─	-	ļ		<u> </u>	<u> </u>				\vdash				
			·	<u></u>		<u> </u>	<u> </u>			<u> </u>			<u>L.</u>	<u> </u>		<u> </u>	<u> </u>	(2)			لــِـا				
Project Information		Sam	ple Receipt			quishe	•				(1)	Relin	quish	ed By:				(2)	Reline	quishe	ed By:			(3	;)
Project Name: Duke Energy Fie	W Serv	Total Containe	ers:		Jan	17	-			091	0	-								-					
Project Location: Sec 30 T205 R 3	27E	COC Seals:		-	Zigna	ture)	1.00	e r50)n	2/2	ime) 8101	(Signa	ture)				ď	ime)	(Signat	ure)				(Tim	ıe)
Project Manager: Gil Van Deven		Rec'd Good C	ond/Cold:	-28	(Printe	d Name	<u> </u>	0.00		([Date)	(Printe	d Name	=)			(0	Date)	(Printed	Name)			(Da	te)
	C (CV)			1	(Comp	any)	<u>-11</u>			·· ···		(Comp	any)			_			(Comp	any)					\neg
Cost Center No.: P/6846/1C		Conforms to R Lab No.:	records:	<u> </u>	Rece	ived B	· Iv				(1)	Rece	ived E	lv.				(2)	Recei	ved B	v:			(3)	
Shipping ID No.:		ļ			1		•	•	\sim					-1.			,	,			,.			(-)	' [
P O No.:					L	<u>l</u> .	·d1	<u>C_]1</u>	w))-09 HK Z-2	10	(0)							(0)						
Special Instructions/Comments: Invoi	ce to l	Juke Eu	rers y		(Signa	-cu	160	dA	£ 70	HE.	ime)	(Signa	ture)					ime)	(Signat	ure)				(Tim	
illa steve Weathers					(Printe	d Name	07.			2-2	80/	(Printe	d Name	=)			(1	Date)	(Printed	l Name)			(Da	te)
Special Instructions/Comments: Invoi Field Services Attn: Steve Weathers P.O. Box S093, Denver	CO	80217			(Comp	any)	-					(Comp	any)		•				(Comp	any)		• • • • • • • • • • • • • • • • • • • •			\neg
volument of the state of the st	,	1,0-1			Щ.							I												Yarta T	

ENVIRONMENTAL LAB OF \$\frac{1}{2}, INC.

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818

MIDLAND, TX. 79701 FAX: 682-0028

Sample Type: Soil

Sample Condition: Intact/ Iced/ 1 deg C

Project #: P/6846/1C

Project Name: Jimmy Cooper Site #3 Project Location: Sec. 30, T20S, R37E Sampling Date: 03/15/01 Receiving Date: 03/15/01 Analysis Date: 03/15/01

				C6-C10	>C10-C28
ELT#	FIELD CODE	1	and the second	mg/kg	mg/kg
	K	901 V			
38231	JC#3 Grab (Floor 28')	9001		<10	<10
38232	JC#3-f (Floor 21-25')	•		<10	<10
38233	JC#3-g (Floor 23.5)			<10	<10
38234	JC#3-h (N. Wall)			<10	<10
38235	JC#3-I (S. Wall)			<10	<10
38236	JC#3-j (W. Wall)	and the second		<10	<10

% IA		•	89	112
%EA		1.1	 92	112
BLANK			<10	<10

Methods: EPA SW 846-8015M GRO/DRO

3-16-01

<10



13629 Νº

Chain of Custody Date 3/15/01 Page 1 of 1

																	-01.	. 0 , 0	<u> '</u>	age	<i>V</i>	_ 0'			
Lab Name: Environm		-ab of	Texas										Ana	lysis	Rec	ques	t								
Address: <u> 2400 W</u>	I-20	<u> </u>												l	1.					İ					ı
Telephone: 0dessa	, Texas	717	<u>にろ</u>										i					ļ			ł				s.
Telephone: 915-54	<u> 3 - 1800</u>		_@							l	1					ŀ	1	•		1				- ∤.	in in
Samplers (SIGNATURES)				27	0211	270)	<u>§</u>	<u>@</u>	£.	١	6	156	15D	<u> </u>	<u>ر</u>	1	1	1	1	Ì	Ì	Ì			Ö
O a				PA 8	PA	PA	A 82	A 82	4 41	8	Į	A 80	A 80	4 16	aţio	als	tals	į			İ	1			5
John Fer	3			X (EP	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	трн (ТХ-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metais	TCLP Metals			- 1		ļ			Number of Containers
Sample Identification	Matrix	Date	Time	BTEX	MTE	svc	PAH	0 0 2	T PH	H	H H	GRC	DRC	TDS	Anio	Tota	덛			i					Z E
JC#3-Grab (Floor 28')	Soil	3/15/01	1150									V	V									इंटर	1		
JC#3-f(Floor 21-25)	Soil	3/15/01	1200									V	V									382	32		
JC#3- 9 (Floor 23.5)	5011	3/15/01	1210									V	V									3 EZ	.33		
JC#3- h (N. Wall)	Soil	3/15/01	1220		<u> </u>				<u> </u>			<u> </u>	V									38	234		1
JC#3- i (S. Wall)	Soil	3/15/01	1230							<u> </u>		V	V									382	3 5		
JC#3-1 (W. Wall)	Soil	3/15/01	1240		<u> </u>							1	1									38	23 6		
j	,																								
													·												
Project Information		Sam	ple Receipt		Relin	quishe	ed By:	y:			(1)	Relinquished By:						(2)	Relinquished By:				<u>-</u>	(3)	
Project Name: Jumy Cooper Site	Services H3	Total Containe	ers:	-	al	チ	مسر	~		172	20														
Project Location: Sec 30 T 205		COC Seals:			(Signat	ture)	ries	56/4		3/15	ime)	(Signa	ture)	****				ime)	(Signatu	rce)				(Time	:) <u> </u>
Project Manager: Gil Van Deve		Rec'd Good C	ond/Cold:	121	(Printe	d Name	In			((Date)	(Printe	d Name	:)			([Date)	(Printed	Name)				(Date	2)
Cost Center No.: P/6846/1C		Conforms to F	Records:		(Comp		<u></u> ,					(Comp	any)						(Compa	ny)					
Shipping ID No.:		Lab No.:		-	Rece	ived B	y:				(1)	Rece	ived B	By:			((2)	Recei	ved By	:			(3)	٦
P.O.No.:					Ik	ul	, 	K	twe	7-															
Special Instructions/Comments: 8:11	Invoice T	B: Ouke	Eners)	/	(Signa	ure)	nd.	KT	UH	ا ھے	ime)	(Signa	ture)				(1	ime)	(Signatu	те)				(Time)
Special Instructions/Comments: B:11 ; Field Services Attn: Steve Weathers	P.O.	BOX S	493		I/Pante	Name ECO	1	·•		([Date)	(Printe	d Name	:)			(Ī	Date)	(Printed Name) (Date					(Date	<u>, </u>
Denver CO 80217					(Comp							(Comp	any)						(Compa	iny)					\Box
																	Dis	tributio	n. Wh	ite Ca	nary-l	aborat	ory / Pi	ink-TR	۸۸/

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818

MIDLAND, TEXAS 79701 FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1.0 deg C

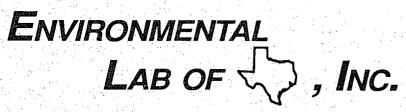
Project #: P/6846/1C

Project Name: Duke Energy Field Services / Jimmy Cooper Site #3

Sampling Date: 03/16/01 Receiving Date: 03/16/01 Analysis Date: 03/18/01

ELT# FIELD CODE	GRO DR C6-C10 >C10 mg/kg mg/	-C28	
38322 JC#3-1 (Floor 15') 38323 JC#3-M (S. Wall) 38324 JC#3-Soil Pile #1 (Native Backfill) 38325 JC#3-Soil Pile #2 (Native Backfill)	<10 <1 <10 <1 <10 <1 <10 <1	0	
% IA %EA	99 11	2	

Methods: EPA SW 846-8015M GRO/DRO



"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ -2 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services / Jimmy Cooper Site #3
Project Location: Sec 30, T205, R37F

Sampling Date: 03/20/01 Receiving Date: 03/20/01 Analysis Date: 03/20/01

ELT# FIELD CODE	C6-C10 >C10-C28 mg/kg mg/kg
38360 JC #3-N (W. Wall) 38361 JC #3-O (N. Wall) 38362 JC #3-P (E. Wall) 38363 JC #3-Q (Floor 15') 38364 JC #3-Local (Backfill)	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10
% IA %EÄ	92 1:10 100 1:15

Methods: EPA SW 846-8015M GRO/DRO

3-21-01



13623 Nº

Chain of Custody Date 3/20/0 Page 1 of 1

															Analysis Request													
Lab Name: Environm	ental L		TUXAS	<u></u>							, <u>.</u>		<u>Anal</u>	ysis	Req	ues	t											
Address: <u> 2400 W.</u>]	1					į															1			
<u>Odessa</u>	Texas	79 745		1				ļ			ŀ	1								ļ			ŀ		S			
Telephone: 915-563	1- 1800						}		l	1	١.	1	1		ĺ	İ			1	1	1		. I	1	Containers			
				<u>[6</u>	21B	6	6	6	₽			23	ĝ	=											nta			
Samplers (SIGNATURES)				80	8	4 82	827(826	418	89	900	801	801	160.	ions	s	<u>s</u>			- 1					ပ္			
() I I				EP/	(FP)	(EP)	∀d.	Αď	A	×	×	PA	Α	ĕ.	Çat	letal	Jeta			ŀ				ļ	o la			
the fi	Ju -			BTEX (MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals								Number of			
Sample Identification	Matrix	Date	Time	<u>a</u>	Σ	δ	Ā	8	Ē.	£	Բ	P.	K	£	An	To	5								ž			
JC#3-n(w. wall)	Soil	3/20/01	1040									V	V						3	8	3	6	٥		丄			
1C#3-0 (N. Wall)	Soil	3/20/01	1050									V	1					ì	3	5	3	م	1		1			
JC#3-P(E Wall)	Soil	3/20/01	1100									✓	V						ろ	8	3	6	2,					
JC#3-0 (Floor 15')	Soil	3/20/01	1110									V	V						3	8	3	Q	3					
X#3-Local (Backfill)	Soil	3/20/01	1120									√							3	8	3	6	4					
							•																					
Project Information		Sam	ple Receipt		Relin	quishe	d By:				(1)	Relin	quishe	d By:	1	$\overline{\Omega}$	((2)	Relino	luishe	d By:			(;	3)			
Project Name: Juke Energy Field:	Services	Total Containe	ers:		Q	17	م رہ	_ E.		- i u	45		The	10	~ Y	类	. 15	40-										
Project Location: Sec 30, 7265, R		COC Seals:			(Signa	iture)	Sel	œι		312	ime) Λ/61	Signal	ыге)	Van	Dev	enk			(Signati	ıre)				(Tin	ne)			
Project Manager: Gil Van Devent		Rec'd Good C	ond/Cold:	-22	(Printe	d Name	nC.		10		(ate	(Printed	Name 12L				(D	ate)	(Printed Name)						ate)			
Cost Center No.: P/6846/1C		Conforms to F	Records:		(Comp	oany)						(Comp	any)						(Compa	iny)								
Shipping ID No.:		Lab No.:			Rece	El Devie	Yγ]	1	1	(1)	Recei	ived B	y:	1 .		(2	2)	Recei	ved By	<i>/</i> :			(3)			
P O No.:					/	24	to	Ku	2		45			. \$	1	un	<u>. (</u>											
Special Instructions/Comments: Invoid	ce Pirect	16; DU	ke Energ	y -	(Signa	ityre) Va	n De	2101	re	3/2	ime) 0/2((Signat	ure) wla	ا لے م	とし	Hle	(Ti	me) 45-,	(Signate	ne)				(Tin	1е)			
Field Services Attn: Steve Weathers				-	(Printe	d Nappa	W		¥	(C	Páte)	(Printed	l Name)			3/20	ate)	(Printed	Name)				(Da	ite)			
P.O. Box 5493 Penver	Co_S	30217		_	(Com	oany)						(Comp	any Co	7					(Compa	iny)								
	7																											

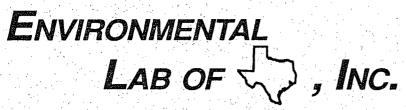


Nº 13628

Chain of Custody

Date 3/16/01 Page 1 of 1

																					_ ` -			
Lab Name: Environmental	Lub of	Toxas	<u> </u>		·				,			Ana	lysis	Rec	ues	t								
Address: 12 600 W. T-24) F		1			•		1																
Telephone: 915-543-18	7976		ł					}	i	1	l			1					ļ				ł	S
relephone	00	,	<u>a</u>	<u>@</u>	<u></u>				,		<u>(a</u>	6												taine
Samplers (SIGNATURES)			8021B)	8021	8270	270)	290	18.1	ရှ	စြွ	0150	015E	1,5 1,1	٤	l									Son
$\bigcap A A$			(EPA	A.	EPA	A 8.	A S	.4 ¥	15	100	PA 8	PA 8	7 ¥	Jafio	stals	etals					•		ı	r of
Joh Foz			XX XX	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals								Number of Containers
Sample Identification Matri	Date	Time	ВТЕХ	₹	Š	PA	9	Ĕ	Ē	Ē	S.	R.	Ĕ	Ā	To I	길								ž
JC#3-1 (Floor 15') Soil	3/14/01	1320	ļ	<u> </u>						<u> </u>	V	V							3	8	3	22		\perp
JC#3-m (S. Wall) Soil	3/16/01	1330		<u> </u>				<u> </u>	<u> </u>	<u> </u>	V	V		<u> </u>	<u> </u>				3	63	32	-3		
JC#3-Soil Pile#1 (Backfill) Soil	3116/01	1340									V	1							3	83	22	4		
JC#3-Soil Pile#2(Buckfish) Soil	3/16/01	1350									1	1							3	82	2	5		_1_
,																								
								 																
				-			 	+-	╁─	 	 	-	\vdash	 	 								-	
			-	-	-		-	ļ	├	├			-	 		-		 						
			<u> </u>	ļ			<u> </u>	<u> </u>	<u> </u>		<u> </u>			ļ									\rightarrow	
				<u> </u>			<u> </u>			<u> </u>	<u> </u>													
Project Information		ple Receipt		Relin	Relinquished By:			(1)		(1)	Relin	quish	hed By: (2)					Relinquished By:					((3)
Project Name: Dike Energy Field Services	- Total Contain	ers:-		Qa	h 7	· Care	_		160	10		-		-										
Project Location: Sec 30, T205, R37 E	COC Seals:			(Şigna	ure) hn F	ers	6,6504	л Л	3110	(ine)	(Signa	ture)				(T	ime)	(Signat	ure)				(Tir	me)
Project Manager: Gil Van Deventer	Rec'd Good C	ond/Cold:	1.00	(Printe	d Name	In	<u></u>		(Date)	(Printe	d Name	e)			(C	Oate)	(Printed	Name))			(D)	ate)
Cost Center No.: P/6846/1C	Conforms to I	Records:		(Comp	any)						(Comp	any)						(Compa	any)					
Shipping ID No.:	Lab No.:				ived B	•				٠,	Rece	ived E	By:			(2)	Recei	ved B	y:			(3	3)
P O No.:				9	eas	ne'	mer	May	reg	640														
Special Instructions/Comments: Twoice Direct	+ TO! DUKE	Enersy		(Signa	ture)					Time)	(Signa	ture)				(T	ime)	(Signat	ignature) (Tim					me)
Field Services Afth: Steve Weathers				(Printe	d Name)	11-	•		Date)	(Printe	d Name	2}			(C	Date)	(Printed Name) (Date)						
P.D. BOX 5493 Penver CO	80217			(Comp	any)						(Comp	any)						(Comp	any)					



"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services / Jimmy Cooper Site #3

Project Location: Sec 30, T20S, R37E

Sampling Date: 03/27/01 Receiving Date: 03/27/01 Analysis Date: 03/27/01

			 1		GRO	DRO	
					C6-C10	>C10-C28	
ELT#	FIELD CODE		 	j j	mg/kg	mg/kg	١.
	ta et i				77.		
38554	1C#3 (Contan	ninated Soil)			380	1504	

1000	 1.0				 e dag e a	
% IA		1.1.		,	99	113
%EA					 86	101
BLANK					<10	<10

Methods: EPA SW 846-8015M GRO/DRO

3-28-01

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 682-0028

Sample Type: Soil

Sample Condition: Intact/ Iced/ 1 deg. C

Project #: P/6846/1C

Project Name: Duke Energy Field Services, Jimmy Cooper Site #3

Project Location: Sec 30, T20S, R37E

Sampling Date: 03/27/01 Receiving Date: 03/27/01

Analysis Date: 03/29/01

ELT#	FIELD CODE	BENZENE TOLUENE mg/kg mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	
38554	JC#3 (Contaminated Soil)	<0.025 1.14	1.56	3.76	0.554	

	 				10 miles (10 miles)
%IA		91 95	100	107	100
%EA		85 87	92	98	94
BLANK	Marie Barrell	<0.025 <0.025	< 0.025	<0.025	<0.025

METHODS: EPA SW 846-8021B ,5030

e.ck su

3-30-0



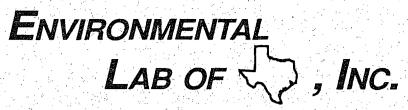
TRW Inc. Energy & Environmental Systems 415 West Wall St. Suite. 1818 Midland, Texas 79701 (915) 682-0008 FAX: (915) 682-0028

Nº 13640

Chain of Custody

Date 3/27/61 Page 1 of /

																	- 110							
Lab Name: Environmental L	ab of To	exas	_									Ana	lysis	Rec	ues	t								
Address: 12600 W T-20	<u> </u>						l		l								1							·
Address: 12600 W T-20 Odessa, Texas Telephone: 915-563-1807	79763				ŀ			1	l			1	}			1								<u>v</u>
Telephone: 915-563-1867	· · · · · · · · · · · · · · · · · · ·		e e	<u>6</u>			l									}								ajie
Samplers (SIGNATURES)			127	021	270	6	8	9.1	l _©	ြ	156	5	E	<u>م</u>	1	1]			1]		tuo;
Δ Λ	,		(EPA 8	A A	PA	A 82	A 82	4 4	8	ĺŝ	A 80	A 80	4 16	atio	als	ta Sie								ğ
Jan Fen			X (E	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	тРН (ТХ-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Met	TCLP Metals								Number of Containers
Sample Identification Matrix	Date	Time	BTEX	MTB	svo_	PAH) 	H.	표	H H	GRC	DRC	TDS	Anio	Total Metals	길								N S
X#3 (Contaminated Soil) Soil	3/27/01	1555	V								1/	1						3	В	5	5	4		1
<u> </u>	Or- nor	_~~	1-	†	 							 				-			Ť		<u> </u>	Ť	ļ	
			+	 				_	├	-	-	+-			-	├								
			╂	<u> </u>			 	ļ	<u> </u>	<u> </u>	 	↓	-		<u> </u>			L	`	ļ	├ ─			
				<u> </u>	<u> </u>			<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u>L</u> _		<u> </u>					<u> </u>			
				ļ]															
			1	1																				
			+	<u> </u>		 	-	 	 	 	╁─╴	 	}	 		 				_	 			
				 			├	├	 		 	├	├				-				 	<u> </u>		
							100		30			<u> </u>	ļ	<u> </u>		<u> </u>	<u> </u>	ļ						
	}			1		/			KI,		1 22 2	ł	1	1		1						1		
						X	C	りを	D '.		9													
Project Information	Sam	ple Receipt	1	Relin	quishe	d By:	Same and the	- AMERICAL TOP	-24	(1)	Relin	quish	ed By:				(2)	Relin	quishe	d By:	<u> </u>			(3)
Project Name: Jimmy Cooper Site #3	Tatal Cartain		T	0./	4				n	سے ز	1						ı	l .						
	Total Containe	ers.	╂	Signa	ture)	9	<u> </u>			15 ime)	(Signa	ture)				(1	īme)	(Signat	ure)				(1)	ime)
Project Location: Sec 30, T205, R37E	COC Seals:		+	(Joh	n te	me	ison		3/2	<u>7/o (</u> Date)	(Printe	d Name	<u>-)</u>			-(1	Date)	(Printer	l Name	`			(Date)
Project Manager: Gil Van Deventer	Rec'd Good C	ond/Cold:	1		d Name	Inc					<u> </u>							`		, 				,
Cost Center No.: P/G846/1C	Conforms to F	Records:		(Comp							(Comp	oany)						(Comp	any)					
Shipping ID No.:	Lab No.:				ived B	٠,			-	(1)	Rece	eived E	Ву:				(2)	Rece	ved B	y:			(3)
P O No.:					lu	he	ne		17:	45														
Special Instructions/Comments: Invoice Pirect Field Services Attn: Steve Weathers	To: Puke	Eners	/	(Signa	ture)	,	17.			1000	(Signa	ture)				(1	ime)	(Signat	ure)			-	(T	ime)
Field Services		100	,	(Printe	d Name)	•		<u> </u>	/0 / Date)	(Printe	d Name	e)			(1	Date)	(Printed	Name)			(0	Date)
Attn: Steve Weathers		1		(Comp	min	ann	erta	4L	sb.		(Comp	anv)						(Camp	any)					
						-					<u> </u>											oton. /		



"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 1 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services / Jimmy Cooper Site #3

Sampling Date: 03/23/01 Receiving Date: 03/23/01 Analysis Date: 03/23/01

Project L	ocation: Sec 30, T20S, R37E	GRO DRO C6-C10 >C10-C28
ELT#	FIELD CODE	mg/kg mg/kg
38406 38407 38408	JC#3-U (Floor 17') JC#3-V (N. Wall) JC#3-W (E. Wall)	<10 <10 <10 <10 182 2557
38409	JC#3-X (S. Wall)	<10 <10 <10
	% IA %EA	93 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	BLANK	<10 <10 <10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

3-260

ENVIRONMENTAL

"Don't Treat Your Soil Like Dirt!"

TRW INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818 MIDLAND, TEXAS 79701

FAX: 682-0028

Sample Type: Soil

Sample Condition: Intact/ Iced/ 1 deg. C

Project #: P/6846/1C

Project Name: Duke Energy Field Services/ Jimmy Cooper Site #3

Project Location: Sec 30, T20S, R37E

Sampling Date: 03/23/01 Receiving Date: 03/23/01

Analysis Date: 03/23/01

ELT# FIELD CODE	BENZENE TOLUENE ETHYLBENZENE m,p-XYLEN mg/kg mg/kg mg/kg mg/kg	E o-XYLENE mg/kg
38408 JC#3-W (E. Wall)	<0.025 <0.025 0.047 0.126	<0.025

	" git in a source		4 1 1		· · · · · ·
%IA	93	96	99	105	00
%EA	QQ	00	00	105	99
	00	90	92	9/	93 "
BLANK	<0.025	< 0.025	< 0.025	<0.025	<0.025

METHODS: EPA SW 846-8021B ,5030

3-26-01



TRW Inc. Energy & Environmental Systems 415 West Wall St. Suite. 1818 Midland, Texas 79701 (915) 682-0008

FAX: (915) 682-0028

Nº 13643

Chain of Custody

Date 3/23/01 Page 1 of 1

																	<u> </u>		<u> </u>	- ugo				<u>-</u>	
Lab Name: Environm	ental La	b of Te	Xas	<u></u>									Ana	lysis	Rec	ues	t								
Address: <u>]71,00 W.</u>	I-20 E								1				ĺ												
Odessa,	Texas	79763		1	1	ļ.	:		1	1			İ					1	1		İ				_s
Telephone: 915-563	- 1800			1						1		•									ŀ		l		ner
				8021B)	<u> </u>	<u> </u>		[=	Į	ļ	(g)	ĝ	_		ļ	İ				l			-	ıtai
Samplers (SIGNATURES)				82	802	82	270	3260	18	9	99	901	<u>ğ</u>	60.1	SE SE		۱,					1			ō
Joh Jeg				X (EPA	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals								Number of Containers
Sample Identification	Matrix	Date	Time	BTEX	MŢ	S S	₽Ā	Š	효	효	귶	GR GR	DRC	T D	Anic	Tota	걸								N
JC#3-4 (Floor 17')	Soil	3/23/01	1100									V	1					3	8	4	0	4			1.
JC#3-V (N. Wall)	Soil	3/23/01	1110							ļ		V	V		ļ		<u> </u>	-	8	4	0	7			1
X#3-W(E. Wall)	Soil	3/23/61	1120	V					<u> </u>			V	<u>/</u>					3	8	4		<u>B</u>			
JC#3-x (S. Wall)	Soil	3/23/01	1130									V	V					3	3	4	b	9			1
									<u> </u>							<u> </u>									
									 			 	 : -		<u> </u>										
				 						\vdash					\vdash									\dashv	
				 					 -	 	<u> </u>	 			一		ļ							-	
				-		-	-		-			-			-		<u> </u>						\dashv	\dashv	\dashv
During Alefanya Mina		Corre	nia Danaint	<u></u>	Relin	quishe	d Bv		<u> </u>		(1)	Relin	nuishe	d Bv	<u> </u>	<u> </u>	<u> </u>	(2)	Relin	quishe	d Rv			 	3)
Project Information	Starvices	Sam	ple Receipt	1	Λ <i>Δ</i>	44.0	.u						44.0	Ju 27.				(-)		4410110	, u , .			,	"
Project Name: Jimmy Cooper Sit	c#3	Total Containe	ers:		Jul	-4	90			163	30			·					/0:						
Project Location: Sec 30, T205.	237E	COC Seals:		ļ	Joh	ture)	<u>vr(vi</u>	son			ime) }/6	(Signal					· ·	ime)	(Signa						me)
Project Manager: G. Van Ucven	ter	Rec'd Good C	ond/Cold:		(Printe	a Name RW	Inc			((Date)	Ĭ	d Name	·)			(1	Oate)		l Name) 	,		(D:	ate)
Cost Center No.: P/6846/1C		Conforms to F	Records:	<u> </u>	(Comp							(Comp							(Comp						
Shipping ID No.:		Lab No.:			Rece	ived B	λ: <i>(</i>	\		((1)	Rece	ived B	y:			((2)	Rece	ived B	y:			(3	3)
P O No.:					Lu	mans	lo 2	Sin		16:	2 0														
Special Instructions/Comments: Invoic	e Pirect	To: Ouke	. Enersy	/	(Signa	MAIN	ر م ج	om:)	ب ولا عالم	ime)	(Signal	ure)		7		(1	ime)	(Signal	ure)				(Tir	me)
Field Services					(Printe	d Name)		·	<u> </u>	Date)	(Printe	Name)		,	([Date)	(Printe	d Name)			(Da	ate)
Attn: Steve Weathers P.O. Box 5493, Denver,	C0 8	0217			(Comp		100					(Comp	any)						(Comp	any)					\neg
1.0. 000																									

NEGD BY SAM MONDAY

Distribution: White, Canary-Laboratory / Pink-TRW

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818

MIDLAND, TEXAS 79701 FAX: 915-682-0028

Sample Type: Soil

Sample Condition: Intact/Iced/ 0.5 deg C

Project #: P/6846/1C

Project Name: Duke Energy Field Services / Jimmy Cooper Site #3

Sampling Date: 03/28/01 Receiving Date: 03/29/01 Analysis Date: 03/29/01

ELT#	ocation: Sec 30, T20S, R37E FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	
38620 38621 38622 38623 38624 38625	JC#3-Y (SOUTH FLOOR 20') JC#3-Z (NORTH FLOOR 20') JC#3-aa (NORTH WALL) JC#3-bb (NORTH-EAST WALL) JC#3-cc (SOUTH WALL) JC#3-dd (SOUTH-EAST WALL)	47 <10 <10 <10 <10 992	584 133 <10 <10 <10 5227	
	% IA %EA	93 114	109 111	

Methods: EPA SW 846-8015M GRO/DRO

BLANK

ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TRW, INC.

ATTN: MR. GILBERT VAN DEVENTER 415 WEST WALL ST., STE. 1818

MIDLAND, TEXAS 79701

FAX: 682-0028

Sample Type: Soil

Sample Condition: Intact/ Iced/ 0.5 deg. C

Project #: P/6846/1C

Project Name: Duke Energy Field Services/ Jimmy Cooper Site #3

Project Location: Sec 30, T20S, R37E

Sampling Date: 03/28/01 Receiving Date: 03/29/01

Analysis Date: 03/30/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	mg/kg	
38620 38625	JC#3-Y (South Floor 20') JC#3-dd (South-East Wall)	<0.025 <0.050		0.120 2.74	0.347 7.14	0.287 0.852	

					4.4		Contract of the second
%IA			97	102	107	114	108
%EA	4.4	5 5 6 6	90	94	99	106	100
BLANK	· · · · · · · · · · · · · · · · · · ·		<0.025	<0.025	<0.025	<0.025	<0.025

METHODS: EPA SW 846-8021B ,5030



TRW Inc. Energy & Environmental Systems 415 West Wall St. Suite, 1818 Midland, Texas 79701 (915) 682-0008 FAX: (915) 682-0028

Nº 13639

Chain of Custody Date 3/29/01 Page 1 of /

Lab Name: <u>Environmental</u>	<u> </u>	т—	Т Т						т	Ana	lysis	Rec	ues	t T		_	· · · · · · · · · · · · · · · · · · ·					
Address: 12,600 W. I-20				•			l	İ			l											
Telephone: 0d essa, Tx 915-563-180	1		1	1			1	1	1	1	1	1	1								Sign	
100 363-100	8021B)	<u>@</u>				_			e l	<u>ء</u>	_										taine	
Samplers (SIGNATURES)				827($\hat{\mathbf{g}} = \hat{\mathbf{g}}$	260)	18.1)	<u>8</u>	(g)	015(015[90.1	ž.				,			1	1	Containers
			EPA	EPA	× 1	PA 8	4 A 4	5	5	PA	PA 8	¥ 1	Satio	etals	etals							ğ
Joh Fegu		втёх (єра	MTBE (EPA 8021B)	SVOC (EPA 8270)	<u> </u>	VOC (EPA 8260)	TPH (EPA 418.1)	трн (тх-1005)	трн (ТХ-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals							Number
Sample Identification Matrix	Date Time	HE .	Σ	S i	Z (9	트	F	4	8	_	P	Ani	Į,	5							Ž
JCH3-y (South Floor 20') Soil	3/28/01 1400	V								V	V							3	8	62	10	
JC#3-Z (North Floor 20') Soil	3/28/01 1610	<u></u>								1	V							3	80	2	1	(
JC#3-ag (North Wall) Soil	3/28/01 1620		<u> </u>							1	/							3	8	62	2	1
JC#3-bb(North-East Wall) Soil	3/28/01 1630	L								V	V							3	86	2	3	1
OC#3-CC (South Wall) Soil	3/28/01 1640									V	/							M	80	7	H	1
Oc#3-dd (South-East Wall) Soil	3/28/01 1650									1	V							3	86	529	5	1
					· - T														_			
														-								
Project Information	Sample Receipt		Relin	quished	Ву:		<u> </u>		(1)	Relin	quish	ed By:		I		(2)	Relind	quishe	d By:		<u></u>	(3)
Project Name: Blimmy Cooper Site #3	Total Containers:		Joh	in Fe	rco	ซอห		68	10													
Project Location: Sec 30, T205, R37E	COC Seals:		Jul.	~ 7 LV	٠			3/2	ime)	(Signat	ture)				(T	ime) .	(Signat	ure)				(Time)
Project Manager: Gil Van Deventer	Rec'd Good Cond/Cold:	0.5	Printe TR	d Name	, <u> </u>				Date)	(Printe	d Name)			(0	Date)	(Printed	Name)			-	(Date)
Cost Center No.: P/6846/16 Conforms to Records:			(Comp	any)						(Comp	any)						(Compa	any)				
Shipping ID No.:			1	ived By:						Rece	ived E	By:			(2)	Recei	ved B	y:			(3)
P O No.:			>	ture)	374	m	w	06	310													
Special Instructions/Comments: Invoice Direct To: Duke Ene			(Signa	ture)	na	204	Me.	7 (T 3-2	ime) 7-0)	(Signal	ture)				(1)	ime)	(Signat	ure)				(Time)
Field Services Attn: Steve Weathers Ru		•	(Printe	d Name)	201	ر ا اع	l abo	of TX	Date)	(Printe	d Name	e) .			(C	Date)	(Printed	Name))			(Date)
Attn: Steve Weathers Ku	SH->TOPAY	ļ	(Comp	any)			- · · · · ·		·	(Comp	any)						(Compa	any)				

ATTACHMENT C

FIELD BOOK NOTES

3/23/01 0900 Left Midland for JC#3 Site Stopped for Fuel + Field Supplies DODO Arrive o Project Location Allistate Working on Lease Road to Site In Anticipation of Rain Have Also Excapated Back To The East Objective: Oversight of Excavation Activity & Collection of Soil Sangles Equipment: PPF Decon Camera Measuring Wheel Soil Sampling Weather: Mostly Sonny & Clear, Warm (Temp= GO°F), MId SW Winds Personnel: John Forgerson - TRW Allstate: 3 Men @ Location Allstate Equipment 1 John Deere Trachoe + 230LC John Deere Backhoe - 410 A John Peere Loader John Deere Pozer Sanote Collection Time Sample Location Desc. Depth Letter = 100m 1160 N. Wall 1110 F Wall Conp 1120 w JMF

		The second second second				
7	Ì		3/23	101		
	Sample	Location			oth Time	PIP
		<u> </u>	1	'1	[13]	
	* No To	ucking	Activit	y & Ven	y Little	_1_1
		cavation				
		ft Loc				
		rrive (
		ve: Sa		-		
		ent: Sa				
		er: Su	The state of the s			
	^	eli Joh		von - T	RW	
		on - 4				
		vation s				nuted
	Soil	in Pro	gress . De	on Arri	ral	
		ation or				re
		Widen				
		27' (Nor				
		Concer				
		se Road				
	Cor	tri buted	1 to Co	ntamin	ation	<u> </u>
		ervation				Wast
		NWof	·			
	Lo	cuted o	n Pipeli	ne 3 Ho	ary Blac	k Stain
	Ju	st Bene	nth Pipe	line W/S	strong Od	or t
		rcen Sta				
		largin of				
.						
776						

	٠					3	120	olo	1						
_	Ha	, d	Wa	1to	n l	Jal	اد	Sm	all	Ех	cai	1at	ior	١	
	<u>م</u> دِ	7	Fe	ct	Fr	on	Ēa	st	E	1 <u>9</u> e	0+		ea	50	
	_R	oa	d.												
	-	Du	rK	Gr	200	کــد	tai	<u> </u>	ec.	<u>~ i</u>	1	Soi	<u></u>		
	-	Co	lle	ctz	<u>d_</u>	Flo	or	ĹĠ	rub	15	ang	rle	a		51
	_	Co	lle	tra	<i>l</i>	Floa	or_	(6,	-ab	15	inp	le	@	20	21
	_	Sa	upl	e (coll.	ect	cd	0	15	L^{\prime}	ont	ai	rgo	(6
			lar	k (rec	en	Sto	li^	زمن	+	St	CON	5 (do	<u>^</u>
		l	n 1	7a	trix	<u>,</u> ,	San	.plc	_C	lle	ctu	16) 2	201	
								iall							
														1.	
			Mai	tri	<u></u>										
Sa	mo	1/c	Co	lle	tio	n									
Sa	-01	ر لم	cat	tion		ယင	į	eti	er	De	pfl		ime	ρ	ID
		5 F	loor		6	rab		F			51	1.	33O		77
	Ĕ	100	r		G	rak	,	G		2	0	- 1	346		72
	F	100	<u></u>	-	G	ral	o	H		2	7	l.	350		18
14	00	Le	ft	L	oc	at	ion	F	br_	A	ral	yt	La	1_	
		al											-	ļ	<u> </u>
								ca	L	ab	ļ · · ·				
16	00	A	rri	re	Mi	dl	an	4_				ļ			
								Hou	r.S						
Lo	boc	T	mc	_=	<u> </u>	4.	0	H ou	rs_		ļ				
						_		ļ				(
						Ц_	<u> </u>			ļ 					

	- Commercial addresses in a		and the control of the same of the first of	one and see a second section to	2 m of 11 2 m		
·		3/24/	01				3/27/01
JC#3	Excava	ition +	Trucking	Activit		1	0830 Left Midland For JC#3 Site
UP	late				1		- Stopped For Fuel + Field Supplies
							1030 Arrive @ Project Location
ž ž							- Allstate Securing Suppo Ppeline to
							Support Pipe Upon Arrival
						1	- Trucks Hauling Backfill Soil to
							Location Upon Arrival
						i	Objective: Oversish of Excavation
							Activity + Soil Sample Collection
				,			Equipmenti PPE, Decon, Camera, Soil
							Sampling Kit, OVT CPIO), Measuring
						н	Wheel
						•	Weather: Cloudy + Overcast, Cool, (Temp
						i	≈ 45° F), Mild E Winds
***************************************							Personnel John Fergerson - TRW
						•	- Need Excavate More on The S. Wall
							Hear Good Stain Still Noticeable on
							Wall Face. Need to Excavate More
						-1	on E. Wall Henry Staining Still
						Ť	Noticeable N Wall Looks Fine
							Floor May Need To Bc Deepened
							Some
							* Allotate Will Execuate Some More
	,	٠			,		Before Sampling Will Collect Contaminated
•.						t .	Soil Sample Bestore Heading to Midland
				,			INA
	i	I	1	l	l .		

		2/	10/00		
1112	eft x	H3 C	CC #3		
1115 A	rrive CC	#3 5:4	CC#3	<u> </u>	
	on Push				ni/
	n Exca				
Pip	eline.	Deepest	Deepth	To Dat	215
2	325-33	LNW Cor	nerof	Executat	ion on
We	st Side	of Pipe	line)		
- Con	taminat	ed Soil	Being	Hauled t	0
La	nd farm	Upon	Arrival		
- Cont	amina li	on From	Clean.	Soil Pile	·
Loc	ated @	NWC	orner o	t Exca	vation
ka	s Been	Contam	inated	From L	eak
Co	used by	, Walto	n Runni	y Over	
0	uke's Pi	peline.	Roy (1	Valton)	aid
\\	contac	ted Duk	e. He Tr	ied Ger	fting
	n Touch				
	lulkey B	ut Could	Not Co	ntact -	Them.
F	inally, d	contacta	d Linan	n Ranch	Plant
	ay Mille				
	eak + 0	Puizzed	Operati	or Who	1416
	he Pipe	line.	Roy Sa	id Hc	Called
	Herr W	cathers	But Col	ld Not	Get
	n Touch				
	Lenna K	ay Coop	er. She	Said T	hey
	Nould In	form St.	eve Whe	n They	Talked
•			JUF		, :

						3/	27/	o (
	to 1	lim				102									
13	1	1	21	1	٥n					,					
Sa	-ple L Floor Wall Wall Colle	oca.	tiou	()es	•	Let	ter	- 0	ept	h	Tim	_	2[[)
	Floo	<u> </u>		G	irul)		-	3	2.5	-,	15/1	2	79	
E	Wall	ļ		. (7741	b				ر ح		152	5	8%	j
E,	Wal			(مارحر	b		, 	2	3		153	0 1	00	
W	. Wal	<u> </u>		(2ra	6	1			15'		1540) /	S	
-	Colle	cte	d_	Sui	~p!	3	Si		GR	0/1	DR.	Ó			
	Pu	po	se	<u>.</u>	H	ve	L A	150		ااه	2ct	<i>=0</i>			
	Ou _f	21:0	ate		Sa	-pl	د خ	h	<u></u>	Fin	ser	pr	int	ing	
		2 /	Vee	de	d	-									
~	Coll	ect.	ed_	Su	ام	د	of	_5	pil		ont	tam	in	ite	/
		om												-0.	
Sq	uple	Loca	itio	И	De	SC.	<u>L</u>	ette	1	U	pth	7	Ine	74	FD
_ <	ourfac	<u>e</u>			Gr	ub		M		(D /		550	-	-
	Have	<u> </u>		Ve_	Re	ad	Y	rou		TE	X	10	20/	-	
	OR TO L	0/	Fir	5e	rp	rin	tio	3	it	No	ea	ec			
15.6	50 L	2+	+	20	#	3_	+01		(Ca	1.3			-	-	
1 1	55° A	i .	J	h	١.	1	1		-		ļ <u> </u>		-		
<u>S</u> 1,	mple	2 (0	cc	tic	1	 .	_			-	-			
Si	ple	Locu	tic.		Ue:	\$ c _	╁┺	ett	C	L	pt	h_	lim	<u> </u>	TTD
C	onitur	inati	d S	انا	<u> </u>	np			-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u> </u>	,	nz	\	1
-	ple ontar Disc	125.5	2		EX	Ca	Va:	tiou	1	121	VÌ	t y	W	-	
L	Bi	114	L	A.I.	Ut	ute	}_	<u>L_</u>	<u></u>	<u> </u>	<u></u>	L		ļ :	J
						(3 /	15	-						M

3/28/01
1000 Left Midland For JC#3 Site
- Stopped For Field Supplies
1200 Arrive Monument, NM
1200-1300 Lunch W/ Bobby + Billy
(Allstate)
1300 Arrive @ Project Location
Objective: Oversight of Excavation
Activity + Soil Suple Collection
Equipment: PPE, Camera, Pecon, PIO
LOVA), Memor ny Wheel, Soit Sampling
Weather: Cloudy + Overcast, Coal (Texp
≈ 50°F), Caln Winds
Personneli John Forgetson-TRW
5 Man Crew- Allstate
A Received call From Gil (PM) Enroute
to Location That Esteved [Duke]
Was Suspending Excavation
Activity @ JC#3.
- Had Allstate Complete Cleaning Floor
so Samples Could Be Collected
Sample Collection
Saple Location Desc Letter Depth Time PID
South Floor Comp y 20 121
North Floor Comp 2 20 28
PED SELVEN 177 N. Elvar 28 JULE
PERROL IN