		SI	TE INFO	RMATION	1		
		Rep	ort Type:	Work P	lan		-
General Site Inf	ormation:				NO THE SECOND	では、	
Site:		Electra Nort	h Federal Ta	ink Battery			
Company:		COG Operat					
Section, Towns		Unit B	Sec 10	T17S	R30E ,		
Lease Number:	·	NMNM-0467				 	······································
County:		Eddy Count		A1		400	0500003W
GPS: Surface Owner.	<u> </u>	Federal	32.85319°	<u>N</u>		103.	.95908° W
Mineral Owner:		rederal					
Directions:		From the inter	section of Hwa	82 and Goat F	Roner Ed in L	oco Hills, tra	vel north on Goat Roper Rd
Directions:			right and trave				nt and travel 0.2m, turn left
Release Data:		9/1/2010					
Type Release:		Produced W	ater				
Source of Conta	mination:	Water Trans	fer Pump				
Fluid Released:		55 bbls					
Fluids Recovere		50 bbls					
Official Commu	inication:						
Name:	Pat Ellis				lke Tavare	ez	
Company:	COG Operating, L	LC			Tetra Tec	h	
Address:	550 W. Texas Ave	. Ste. 1300			1910 N. B	ig Spring	
P.O. Box							
City:	Midland Texas, 79	701			Midland, 7	exas	
Phone number:	(432) 686-3023				(432) 682	-4559	
Fax:	(432) 684-7137		1		1		
Email:	pellis@conchoreso	ources.com			ike.tavar	ez@tetrate	ch.com

Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	0	0
WellHead Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200 ft.	20	
Water Source >1,000 ft., Private >200 ft.	0	0
Surface Body of Water:	Ranking Score	Site Data
<200 ft.	20	
200 ft - 1,000 ft.	10	
>1,000 ft.	0	0
Total Ranking Score:		RECEIVED

Total BTEX

50

TPH

5,000

NMOCD ARTESIA

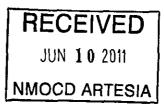
Benzene

د 10



May 25, 2011

Mr. Mike Bratcher **Environmental Engineer Specialist** Oil Conservation Division, District 2 1301 West Grand Avenue Artesia, New Mexico 88210



Work Plan for the COG Operating LLC., Electra North Federal Re: Tank Battery, Unit B, Section 10, Township 17 South, Range 30 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Electra North Federal Tank Battery located in Unit B, Section 10, Township 17 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.85319°, W 103.95908. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on September 1, 2010, and released approximately fifty five (55) barrels of produced fluid from the water transfer pump. To alleviate the problem, COG personnel repaired the swedge on the pump. Fifty (50) barrels of standing fluids were recovered. The spill was fully contained inside the facility firewalls affecting an area around the facility measuring approximately 45' x 140'. The initial C-141 form is enclosed in Appendix A.

Groundwater

No water wells were listed within Section 10. According to the NMOCD groundwater map, the average depth to groundwater in this area is greater than 300' below surface. The groundwater map is shown in Appendix B.



Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment and Analytical Results

On September 14, 2010, Tetra Tech personnel inspected and sampled the spill area. Five (5) auger holes (AH-1 through AH-5) were installed using a stainless steel hand auger to assess the impacted soils. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The auger hole locations are shown on Figure 3.

Referring to Table 1, none of the samples exceeded the RRAL for TPH. Auger hole (AH-4) exceeded the total BTEX, but declined below the RRAL at 2-2.5' below surface. Auger holes (AH-3) did not show a chloride impact to the subsurface soils. Auger holes (AH-2 and AH-5) were vertically defined at depths of 2-2.5' and 6-6.5', respectively. The remaining auger holes (AH-1 and AH-4) were not vertically defined.

On March 3, 2011, Tetra Tech personnel supervised the installation of one soil boring (SB-1) in the area of AH-4. Soil samples were collected to a depth of 30.0'. Due to the location of AH-1, the drilling rig was not accessible behind the tank battery to assess the chloride impact at AH-1. Referring to Table 1, SB-1 detected chloride concentrations of 13,300 mg/kg at 7.0' and declined to 208 mg/kg at 10.0' below surface. The soil boring location is shown on Figure 3.



Work Plan

COG proposes to remove impacted material as highlighted (green) in Table 1 and shown on Figure 4. To assess the impacted area at AH-1, a backhoe trench will be installed to attempt to vertically define or show a declining chloride in the area, if accessible.

Due to limited area inside the facility dike, the proposed excavation depths may not be reached due to wall cave ins and safety concerns for onsite personnel. In addition, impacted soil will be around oil and gas equipment, structures or lines and may not be feasible or practicable to be removed to appropriate depths due to safely concerns. As such, Tetra Tech will excavate the soils to the maximum extent practicable, which appears to be around 1.0' to 3.0' below surface. Once excavated, clay will be placed into the excavations (bottom) to cap the impact. Based on groundwater depth (greater 300'), the deeper chloride impact does not appear to be an environmental concern and the soils will be deferred until abandonment.

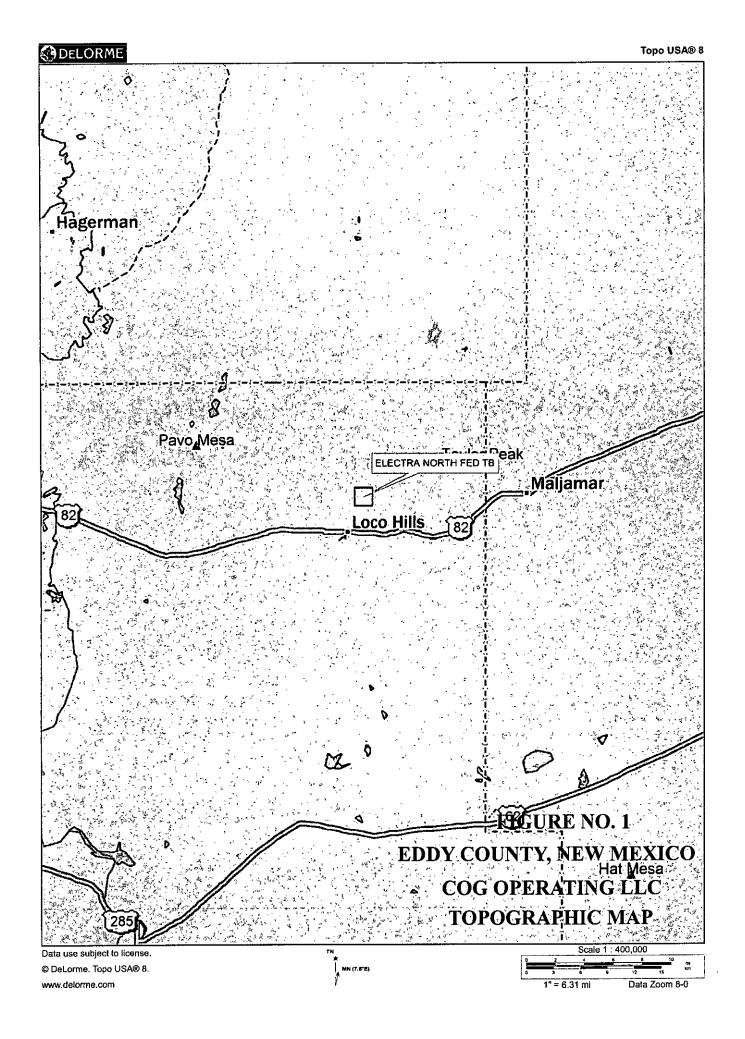
Upon completion, a final report will be submitted to the NMOCD. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call me at (432) 682-4559.

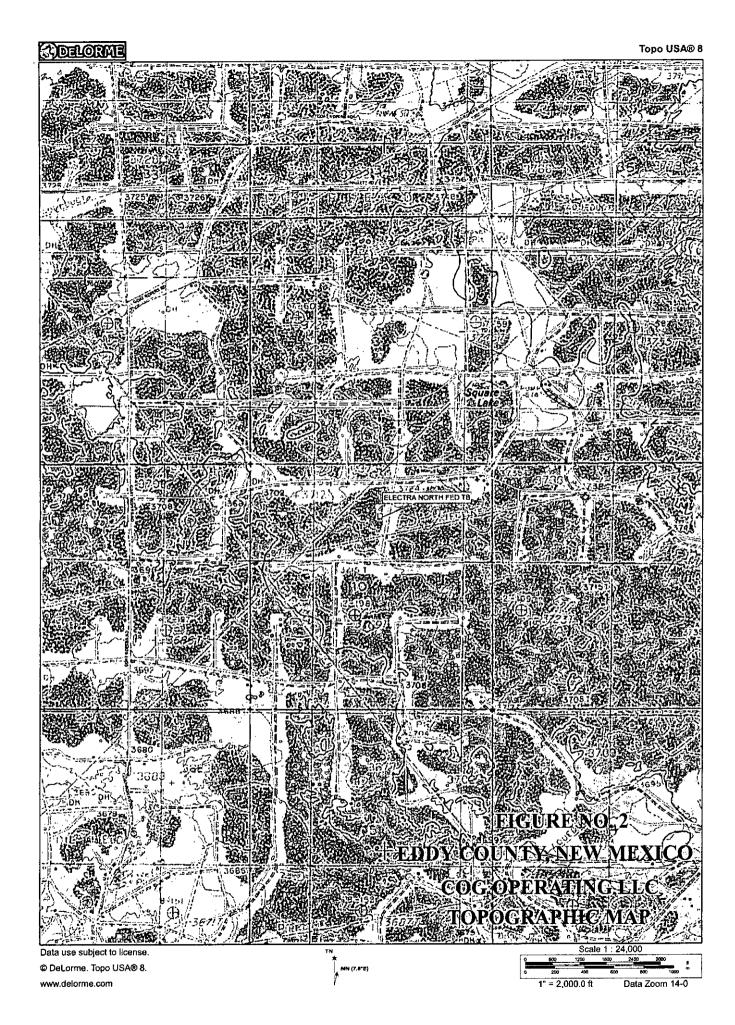
Respectfully submitted,

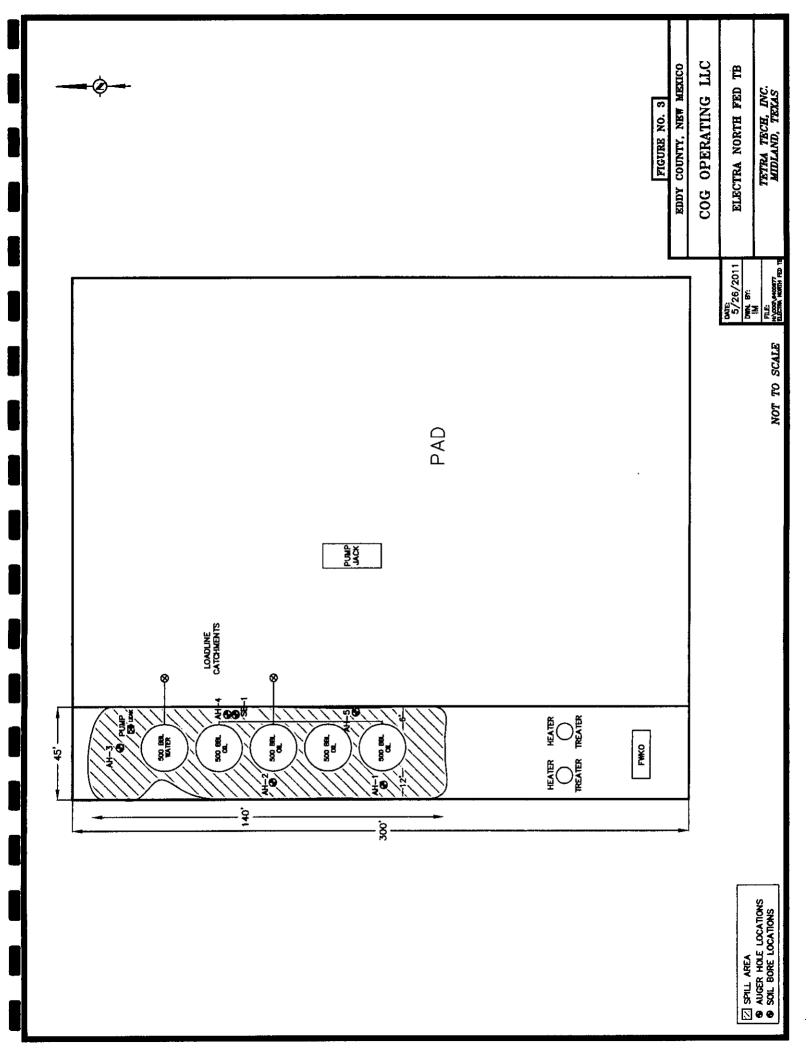
/ike/Tavarez Project Manager

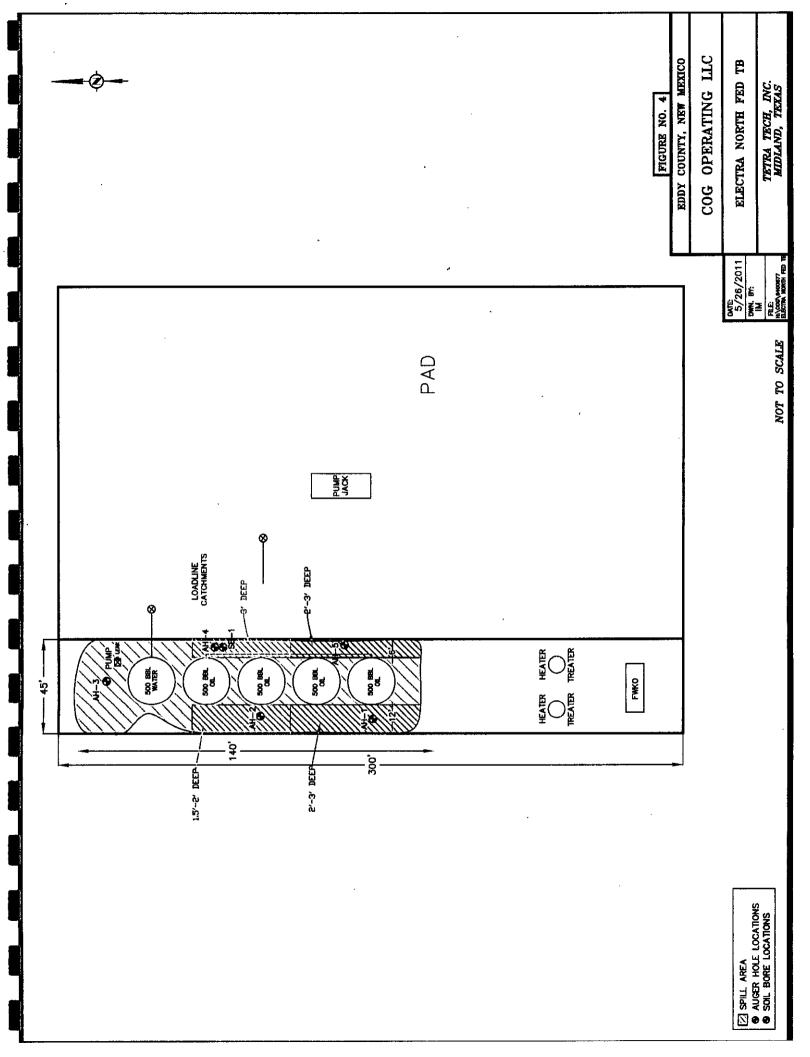
cc: Pat Ellis - COG cc: Terry Gregston - BLM

Figures





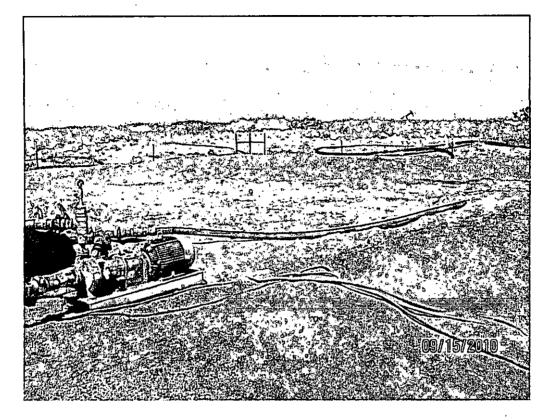




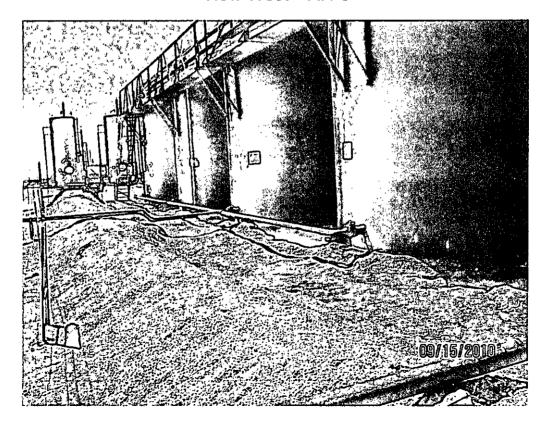
Photos

COG Operating LLC Electra North Federal TB Eddy County, New Mexico





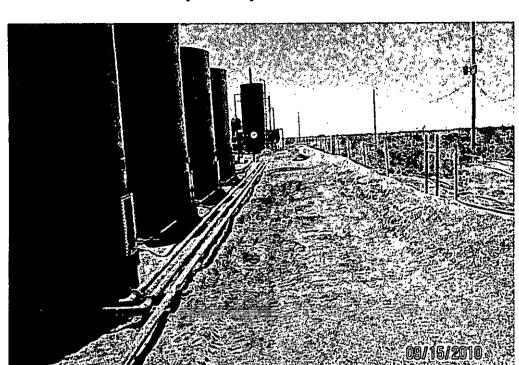
View West - AH-3



View South - AH-4 and 5

TETRATECH

COG Operating LLC Electra North Federal TB Eddy County, New Mexico



View South East - AH-2 and 1

Tables

Table 1
COG Operating LLC.
ELECTRA NORTH FEDERAL TANK BATTERY
Eddy County, New Mexico

Sample	Sample	Sample	Depth	Soil	Soil Status	Ī	TPH (mg/kg)	9)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
Ō	Date	$\overline{}$	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-1	9/15/2010	0-1		×		<10.0	°<50.0	<50.0		1			17,500
	=	1-1.5	-	×			al d	. •	•	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			12,900
	=	2-2.5		×			-	,	,	2 js 1	•	ŀ	7,640
	II	3-3.5		×		,	,	,		,		•	4,820
		4-4.5'		×			,	,	,	,	,	ı	5,550
	Ħ	5-5.5		×		,	-	-	-	-	•	t	5,860
AH-2	9/15/2010	0-1,		×	,	<20.0	254	254	<0.200	<0.200	<0.200	<0.200	1,470
	=	1-1.5		×				,			•	,	1,110 *
	=	2-2.5		×		,	-	,		•	•	t	<200
	H	3-3.5		×		,	1	,			1		<200
	н	4-4.5		×		1	•	•		-	t	ı	<200
,	п	5-5.5		×		,	•	1		r	1		<200
	н	6-6.5		×		1	,	,	,		•	,	499
AH-3	9/15/2010	0-1,		×		<2.00	<50.0	<50.0	•	•	1	1	<200
	н	1-1.5		×		-	,	,	•	-	,	ŀ	<200
	н	2-5.5		×		_	ŀ	-	-	•	1	•	<200
	q	3-3.5		×		-	1	,		ŀ	•	•	<200
		4-4.5'		×		ı	,		•		t	1	<200

Table 1
COG Operating LLC.
ELECTRA NORTH FEDERAL TANK BATTERY
Eddy County, New Mexico

Sample	ojumeS	Sample	Denth	Soll	Soil Status		TPH (ma/ka)	6	Bonzono	Tolerone	144 P.	V. Von	Chlorido
Ω	Date	_	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-4	9/15/2010	0-1,	,	·×		257	3,770	4,527	3.48	29.6	17.6	61.5	7,750
	п	. 1-1.5	,	×.	•	, - ,	•		2.62	12.3	2.67	94.1	4,610
		2-2.5		×		•	•	,	0.217	2.01	0.926	7.07	7,380
	=	3-3.5		×		-	1	-		,			3,150
	=	4-4.5'		×		_	1	-		,	1	-	2,410
	=	5-5.5		×		-	1	-	,	,	ı	1	2,500
	п	6-6.5		X		-	í	,	,	ı	•		343
	=	7-7.5		×		-	-	١	,	,	t	,	3,270
SB-1	3/3/2011	0-1		×		. 1	•	•	•			•	<200
	н	3		×				•	•		1		<200
	=	5.		×		-	-	-	-	-		-	4,860
	H	7.		×		•		•	•	-		_	13,300
	=	10,		×		1	-	•	•	,	-	-	208
	H	15'		×		-	1	1	•	-		1	612
	H	20,		×		-	-	1	•	-	1	1	<200
		25'		×		-	-	-	,	-	•	•	<200
	*	30		×		•	1	,		,	•		<200

COG Operating LLC.
ELECTRA NORTH FEDERAL TANK BATTERY Eddy County, New Mexico Table 1

Sample	Sample	Sample	Depth	Soil	Soil Status	F	TPH (mg/kg)	9)	Benzene	Toluene	Toluene Ethlybenzene	Xylene	Xylene Chloride
۵		Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-5	9/15/2010	0.1.		×	20	<20.0	424	424	÷ <0.200	<0.200	<0.200	<0.200	1,280
	=	1-1.5	4 - , ,	×	7	7		•			e ₀	1 sk.	2,650
	2	2-2.5	, ,	X	- 1	• `	•	•		•		•	8,870
	=	3-3.5		×		•	•	•	-	,	•		6,280
	=	4-4.5		X		•	1	,	•	•	1	-	4,420
	=	5-5.5		X		,	,	-	•	,	1	ļ	7,540
	=	6-6.5'		×		_	•	-	-	•	•	•	<200
	=	7-7.5		×		1	ı	-			1	•	<200
	12	8-8.5'		×		-	ı	-		•	_	ı	<200

BEB Below Excavation Bottom

(--) Not Analyzed
Proposed Excavated Depth

Appendix A

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

						OPERAT	FOR			ıl Report		Final Repor
Name of Co		COG OP				Contact	Pa	at Ellis				
Address		T-2		dland, TX 7970		Telephone 1		230-00	77			
Facility Nat	ne E	Electra North	Federal	Tank Battery		Facility Typ	e Tanl	k Batte	ry			
Surface Ow	ner Fede	eral		Mineral C)wner				Lease N	lo. NMN	1M-04	167931
						OF REI	LEASE					
Unit Letter B	Section 10	Township 178	Range 30E	Feet from the	North/	South Line	Feet from the	East/\	West Line	County	Eddy	
				Latitude 32 5		-	ide 103 57.543					
T	ana Dandon			NAI	UKE	OF RELI	3-3-3		37-1		201.1.1.	
Type of Rele		r transfer pun	· · · · · · · · · · · · · · · · · · ·				Release 55bbls lour of Occurrence			tecovered 5 Hour of Di		
			·1′			09/01/2010)	. C		0 8:00a.r		,
Was Immedi	ate Notice (Yes [] No 🔲 Not Ro	eguired	If YES, To		Mike B	ratcher—O	CD		
By Whom?	Josh Russo					Date and F	lour 09/01/2010	9:10	p.m.			57
Was a Water	course Read	ched?	Yes ⊠] No		If YES, Vo	olume Impacting t	he Wate	RI	ECEI	VE	
If a Watercou	ir se was Im	pacted. Descr	ibe Fully.	*				· · · · · · · · · · · · · · · · · · ·		IUN 10) 2011	
Describe Cat	ise of Probl	em and Reme	dial Actio	n Taken.*		•			\ <i>n</i> n	OCD /	ARTE	SIA
				pump hroke off di	ue to con	rosion. The o	old swedge has be	en repla	-			
swedge.	•		•	•						,		
Describe Are	a Affected	and Cleanup A	Action Tal	ten.*								
recover 50bb pump. (The 2310' FEL).	ls with a va closest well Tetra Tech	euum truck. I location to th will sample th	The dîmen e release i ne spill sit	from the water tra sions of the spill is the Electra Fed e area to delineate o any significant r	areas we leral #31, e any pos	re a 20° x 20 . API# 30-01. ssible contam	area to the north 5-36467, Unit B.	of the p Sec 10-1	oump and a F17S-R30E	4' x 40' ard, Eddy Cou	ea to th nty, NA	ne south of the M, 1170' FNL
regulations a public health should their or or the enviro	II operators or the envi operations h nment. In a	are required to ronment. The save failed to a	o report at acceptant idequately OCD accep	e is true and comp nd/or file certain rece of a C-141 report investigate and retained and received and receiv	release no ort by the emediate	otifications and NMOCD materials and the contaminations are contaminated as the contaminate are contaminated as the contaminat	nd perform correct arked as "Final R on that pose a thr	tive act eport" c eat to g	ions for rela locs not reli round water	eases which eve the ope surface w	may e rator o ater, hu	endanger of liability uman health
				7 ~			OIL CON	SERV	ATION	DIVISIO	<u>NC</u>	
Signature:				\leftarrow								
Printed Name	<u>: </u>	Josh	Russo			Approved by	District Supervis	ог:			 12 2	
Title:		HSE C	oordinator	·		Approval Da	te:		Expiration	Date:		
E-mail Addre	ess:	jrusso@cone	horesourc	es.com	(Conditions of	f Approval:			Attached	ı 🗆	
	0/07/2010	Phon		2-212-2399					<u></u>			
Attach Addi	tional She	ete II Necess	arv									

Appendix B

Water Well Data Average Depth to Groundwater (ft) COG - Electra North Federal Tank Battery Eddy County, New Mexico

	16 S	outh	:	29 East			16	South	3	30 East	t		16	South	;	31 Eas
,	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2
	8	9	10	11	12	7	8	9	10	11	12	7	8	9	10	11
8	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14
9	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	23
10		_								4			4			
0	29	28	27	26	25	30	29	28	27	26	25	30	59	28	27	26
1	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35
		Ь.				L.		<u> </u>	<u>. l</u>		1	290			_l	
	17 S	outh	- :	29 East			17	South		30 East	<u> </u>		17	South		31 Ea
	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2
	8	9	10	11	12	7	8	9	10 Site	11	12	7	8	9	10	11
В	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14
9	20	21	22 80	23	24	19	20	21	22	23	24	19	20	21	22	23
10	29 210 208 '	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26
31	32	33	34	35 153	36	31	32	33	34	35	36	31	32	33	34 271	35
	18 Sc	outh		29 East		_	18	South		30 East			18	South		31 Ea
i	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2
	8	9	10	11	12	7	8	9	10	11	12	7	8	9	10	11
3	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14
9	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	317 23
	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26
		<u> </u>								\perp				1		
1	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35 261

New Mexico State Engineers Well Reports

USGS Well Reports

Geology and Groundwater Conditions in Southern Eddy, County, NM

NMOCD - Groundwater Data

Appendix C

Page Number: 1 of 6

Summary Report

Tom Franklin Tetra Tech 1910 N. Big Spring Street Midland, TX 79705

Report Date: October 1, 2010

Work Order: 10091634

Project Location: Eddy County, NM

Project Name:

COG/Electra North Federal TB

Project Number: 114-6400677

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
244938	AH-1 0-1	soil	2010-09-15	00:00	2010-09-16
244939	AH-1 1-1.5	soil	2010-09-15	00:00	2010-09-16
244940	AH-1 2-2.5	soil	2010-09-15	00:00	2010-09-16
244941	AH-1 3-3.5	soil	2010-09-15	00:00	2010-09-16
244942	AH-1 4-4.5	soil	2010-09-15	00:00	2010-09-16
244943	AH-1 5-5.5	soil	2010-09-15	00:00	2010-09-16
244944	AH-2 0-1	soil	2010-09-15	00:00	2010-09-16
244945	AH-2 1-1.5	soil	2010-09-15	00:00	2010-09-16
244946	AH-2 2-2.5	soil	2010-09-15	00:00	2010-09-16
244947	AH-2 3-3.5	soil	2010-09-15	00:00	2010-09-16
244948	AH-2 4-4.5	soil	2010-09-15	00:00	2010-09-16
244949	AH-2 5-5.5	soil	2010-09-15	00:00	2010-09-16
244950	AH-2 6-6.5	soil	2010-09-15	00:00	2010-09-16
244951	AH-3 0-1	soil	2010-09-15	00:00	2010-09-16
244952	AH-3 1-1.5	soil	2010-09-15	00:00	2010-09-16
244953	AH-3 2-2.5	soil	2010-09-15	00:00	2010-09-16
244954	AH-3 3-3.5	soil	2010-09-15	00:00	2010-09-16
244955	AH-3 4-4.5	soil	2010-09-15	00:00	2010-09-16
· 244956	AH-4 0-1	soil	2010-09-15	00:00	2010-09-16
244957	AH-4 1-1.5	soil	2010-09-15	00:00	2010-09-16
244958	AH-4 2-2.5	soil	2010-09-15	00:00	2010-09-16
244959	AH-4 3-3.5	soil	2010-09-15	00:00	2010-09-16
244960	AH-4 4-4.5	soil	2010-09-15	00:00	2010-09-16
244961	AH-4 5-5.5	soil	2010-09-15	00:00	2010-09-16
244962	AH-4 6-6.5	soil	2010-09-15	00:00	2010-09-16
244963	AH-4 7-7.5	soil	2010-09-15	00:00	2010-09-16
244964	AH-5 0-1	soil	2010-09-15	00:00	2010-09-16
244965	AH-5 1-1.5	soil	2010-09-15	00:00	2010-09-16
244966	AH-5 2-2.5	soil	2010-09-15	00:00	2010-09-16
244967	AH-5 3-3.5	soil	2010-09-15	00:00	2010-09-16

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
244968	AH-5 4-4.5	soil	2010-09-15	00:00	2010-09-16
244969	AH-5 5-5.5	soil	2010-09-15	00:00	2010-09-16
244970	AH-5 6-6.5	soil	2010-09-15	00:00	2010-09-16
244971	AH-5 7-7.5	soil	2010-09-15	00:00	2010-09-16
244972	AH-5 8-8.5	soil	2010-09-15	00:00	2010-09-16

			BTEX		TPH DRO - NEW	TPH GRO
j	Benzene	Toluene	Ethylbenzene	Xylene	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
244938 - AH-1 0-1					< 50.0	<10.0
244944 - AH-2 0-1	< 0.200	< 0.200	< 0.200	< 0.200	254	<20.0
244951 - AH-3 0-1					< 50.0	< 2.00
244956 - AH-4 0-1	3.48	29.6	17.6	61.5	3770	757
244957 - AH-4 1-1.5	2.62	12.3	2.67	34.1		
244958 - AH-4 2-2.5	0.217	2.01	0.926	7.07		
244964 - AH-5 0-1	< 0.200	< 0.200	< 0.200	< 0.200	424	<20.0

Sample: 244938 - AH-1 0-1

Param	Flag	Result	Units	RL
Chloride		17500	mg/Kg	4.00

Sample: 244939 - AH-1 1-1.5

Param	Flag	Result	Units	RL
Chloride		12900	mg/Kg	4.00

Sample: 244940 - AH-1 2-2.5

Param	Flag	Result	Units	RL
Chloride		7640	mg/Kg	4.00

Sample: 244941 - AH-1 3-3.5

Param	Flag	Result	Units	RL
Chloride		4820	mg/Kg	4.00

Sample: 244942 - AH-1 4-4.5

Param	Flag	Result	Units	RL
Chloride		5550	mg/Kg	4.00

Report Date: October 1, 2010		Work Order: 10091634	Page	Number: 3 of 6
Sample: 244943	- AH-1 5-5.5			
Param	Flag	Result	Units	RL
Chloride		5860	mg/Kg	4.00
Sample: 244944	- AH-2 0-1			
Param	Flag	Result	Units	RL
Chloride		1470	mg/Kg	4.00
Sample: 244945	- AH-2 1-1.5			
Param	Flag	Result	Units	RL
Chloride		1110	mg/Kg	4.00
Sample: 244946	- AH-2 2-2.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244947	- AH-2 3-3.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244948	- AH-2 4-4.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244949	- AH-2 5-5.5			
Param	Flag	Result	Units	RL
Chloride	•	<200	mg/Kg	4.00
Sample: 244950	- AH-2 6-6.5			
Param	Flag	Result	Units	RL
Chloride	0	499	mg/Kg	4.00

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This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: October 1, 2010		Work Order: 10091634	Page	Number: 4 of 6
Sample: 244951	- AH-3 0-1			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244952	- AH-3 1-1.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244953	- AH-3 2-2.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244954	- AH-3 3-3.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244955	- AH-3 4-4.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244956	- AH-4 0-1			
Param	Flag	Result	Units	RL
Chloride		7750	mg/Kg	4.00
Sample: 244957	- AH-4 1-1.5			
Param	Flag	Result	Units	RL
Chloride		4610	mg/Kg	4.00
Sample: 244958	- AH-4 2-2.5			
Param	Flag	Result	Units	RL
Chloride		7380	mg/Kg	4.00

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This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: Octob	per 1, 2010	Work Order: 10091634		Page Number: 5 of 6
Sample: 244959 -	AH-4 3-3.5			
Param Chloride	Flag	Result 3150	Units mg/Kg	RL 4.00
Cinoride		0100	mg/ Kg	4.00
Sample: 244960 -	AH-4 4-4.5			
Param	Flag	Result	Units	RL
Chloride	_	2410	mg/Kg	4.00
Sample: 244961 -	AH-4 5-5.5			
Param	Flag	Result	Units	RL
Chloride		2500	mg/Kg	4.00
Sample: 244962 -	AH-4 6-6.5			
Param	Flag	Result	Units	RL
Chloride		343	mg/Kg	4.00
Sample: 244963 -	AH-4 7-7.5			
Param	Flag	Result	Units	RL
Chloride		3270	mg/Kg	4.00
Sample: 244964 -	AH-5 0-1			
Param	Flag	Result	Units	RL
Chloride		1280	mg/Kg	4.00
Sample: 244965 -	AH-5 1-1.5			
Param	Flag	Result	Units	RL
Chloride		2650	mg/Kg	4.00
Sample: 244966 -	AH-5 2-2.5			
Param	Flag	Result	Units	RL
Chloride		8870	mg/Kg	4.00

Report Date: October 1, 2010		Work Order: 10091634		Page Number: 6 of 6
Sample: 244967 -	· AH-5 3-3.5			
Param	Flag	Result	Units	RL
Chloride		6280	mg/Kg	4.00
Sample: 244968 -	· AH-5 4-4.5			
Param	Flag	Result	Units	RL
Chloride		4420	mg/Kg	4.00
Sample: 244969 -	· AH-5 5-5.5			
Param	Flag	Result	Units	RL
Chloride		7540	mg/Kg	4.00
		,		
Sample: 244970 -	AH-5 6-6.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244971 -	AH-5 7-7.5			
Param	Flag	\mathbf{Result}	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 244972 -	AH-5 8-8.5			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Report Date: March 17, 2011 Work Order: 11030726 Page Number: 1 of 2

Summary Report

Tom Franklin

Tetra Tech

1910 N. Big Spring Street

Midland, TX 79705

Report Date: March 17, 2011

Work Order: 11030726

Project Location: Eddy County, NM

Project Name: COG/Electra Tank Battery

Project Number: 114-6400677

			Date	Time	\mathbf{Date}
Sample	Description	Matrix	Taken	Taken	Received
259786	SB-1 0-1'	soil	2011-03-03	00:00	2011-03-04
259787	SB-1 3'	soil	2011-03-03	00:00	2011-03-04
259788	SB-1 5'	soil	2011-03-03	00:00	2011-03-04
259789	SB-1 7'	soil	2011-03-03	00:00	2011-03-04
259790	SB-1 10 ³	soil	2011-03-03	00:00	2011-03-04
259791	SB-1 15'	soil	2011-03-03	00:00	2011-03-04
259792	SB-1 20'	soil	2011-03-03	00:00	2011-03-04
259793	SB-1 25'	soil	2011-03-03	00:00	2011-03-04
259794	SB-1 30'	soil	2011-03-03	00:00	2011-03-04

Sample: 259786 - SB-1 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 259787 - SB-1 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 259788 - SB-1 5'

continued ...

Report Date: March 17, 2011		Work Order: 11030726	Page	Number: 2 of 2
sample 259788 con	tinued			
Param	Flag	Result	Units	RL
Param	Flag	Result	Units	RL
Chloride		4860	mg/Kg	4.00
Sample: 259789	- SB-1 7'			
Param	Flag	Result	Units	RL
Chloride		13300	mg/Kg	4.00
Sample: 259790	- SB-1 10'			
Param	Flag	Result	Units	RL
Chloride		298	mg/Kg	4.00
Sample: 259791	- SB-1 15'			
Param	Flag	Result	Units	RL
Chloride		612	mg/Kg	4.00
Sample: 259792	- SB-1 20'			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 259793 -	- SB-1 25'			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00
Sample: 259794 -	- SB-1 30'			
Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00