## Bratcher, Mike, EMNRD

From: Tavarez, Ike [Ike.Tavarez@tetratech.com]
Sent: Monday, October 11, 2010 3:45 PM

To: Bratcher, Mike, EMNRD Cc: Pat Ellis; Joshua Russo

Subject: COG- Coyote State #5 Work Plan

Attachments: COG - Coyote State #5 Work Plan .pdf; COG - Coyote State #5 Figures .pdf

COG Operating
Coyote State #5 Water Line Leak
Section 36, T17S, R31E
Eddy County, New Mexico
32.78846. 103.81546

Mike,

Please find enclosed the work plan for the Coyote State #5 leak located in Eddy County, New Mexico. On September 1, 2010, Tetra Tech met in your office to discuss the site data and proposed excavation depths. The proposed excavation depths were approved and discussed in the attached work plan. Tetra Tech will schedule the soil remediation in the next couple weeks and will notify you before we start. Please call me if you have any questions, thanks

Ike Tavarez, PG Senior Project Stanager

Marin 432 652 450 Pt. Lib. 432 682 3946 | Cell 409 Gr.) 3878

## Ike Tavarez@tetratech com

Hate Toon Owners Mond. Clon (sall, on 1)

110. North Bid Sorong Midland, 10.70765 | www.tetratech.com

SUFASE NOTE: This mossage indicar along attachments, may are not proved confidential and/or inside information. Any distribution or use of his sometiment and the intended receiver is a thing pushfolial and be unlawful to you are not true attented heavy notify the sender by a plying to the hissespecial distribution of the hissesp



September 17, 2010

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

Re: Work Plan for the COG Operating LLC., Coyote State #5, Water Trunk Line Leak, Unit I, Section 36, Township 17 South, Range 31 East, Eddy County, New Mexico. (API 30-015-03563)

Mr. Bratcher:

Tetra Tech Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess the spill from the Coyote State #5, Water Trunk Line Leak located in Unit I, Section 36 Township 17 South, Range 31 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.78846°, W 103.81546°. 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 March 27, 2010. Approximately 150 barrels of produced water was released from a broken tee on a produced water truck line. Vacuum trucks were utilized to recover 140 barrels of standing fluids. The initial C-141 is enclosed in Appendix A.

### Groundwater

No water wells were listed within Section 36. According to the *Geology and Groundwater Resources of Eddy County, New Mexico* (Report 3), one well is located in Section 34, with a reported depth to water of 271' below surface. According to the NMOCD groundwater map, the average depth to groundwater in this area is greater than 350' below surface. The *Geology and Groundwater Resources of Eddy County, New Mexico* (Report 3) well report data 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 Results

On April 22, 2010, Tetra Tech personnel inspected and sampled the spill area. The spill area is shown on Figure 3. A total of fifteen (15) auger holes (AH-1 through AH-15) 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.

Referring to Table 1, no BTEX and TPH concentrations exceeded the RRAL. Chloride impact was vertically defined in the majority of the auger holes, with the exception of AH-4, AH-5, AH-7, AH-8, AH-9 and AH-10. These auger holes were not vertically defined and required additional delineation.

On August 11, 2010, Tetra Tech personnel were onsite to supervise the installation of six (6) soil borings (SB-1 through SB-6) utilizing an air rotary drilling rig. The soil boring locations are shown on Figure 3. The borings were installed in the vicinity of the undefined auger holes. The soil borings were extended to a depth from 20' to 50' below surface, with samples collected at 2 to 3 foot intervals for the first 10 feet and 5 foot intervals thereafter and submitted to the laboratory for chloride analysis. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1.

### Conclusions

Referring to Table 1, the deepest chloride impact was detected in the areas of AH-8 (SB-2) and AH-9 (SB-3) at a depth of approximately 20' below surface. Auger holes (AH-3, AH-4, AH-5, AH-6, AH-7 and AH-10) did show a deeper impact to the soil to approximately 3' to 10' below surface. The remaining areas of auger holes (AH-1, AH-2, AH-11, AH-12, AH-13, AH-14 and AH-15) showed a shallow impact (0-1') to the soils.



## Work Plan

COG proposes to excavate the impacted soil from the area. Based on the data and depth to groundwater, the impacted soil will be excavated at depths ranging from 1.0' to 20.0' below surface. The proposed excavation depths (highlighted) are shown in Table 1. The excavation depths are also shown on Figure 4. Tetra Tech personnel will supervise the removal of impacted soils and transport to CRI for proper disposal. The excavated area will then be backfilled with clean soil to grade.

Since the impacted area is in the native sand dunes, the proposed excavation depths may not be reached due to wall cave ins, safety concerns for lines and equipment operators, as well as other onsite personnel. As such, Tetra Tech will excavate the soils to the maximum extent practicable.

If you require any additional information or have any questions or comments concerning this report, please call at (432) 682-4559.

Respectfully submitted,

TETRA TECH

1ke Tavarez, P.G.

Senior Project Manager

Pat Ellis - COG

CC:

Table 1
COG Operating LLC.
Coyote State #5
EDDY COUNTY, NEW MEXICO

Sample	Sample	Sample	Depth	Soi	i Status	TF	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ΙĎ	Date	Depth (ft)			Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-1	4/22/2010	0-1'	ا پهيوان د د اکارون	* <b>X</b>		<1:00	<50.0	<50.0			Marke Settler		7,98
		1-1.5 <sup>t</sup>	Property	( X	1. 1.	y . Zh. Ie in		· · · · · · · · · · · · · · · · · · ·	7. S. S.	A SE			4,590
		2-2.5'		Х		-	_	-	-	-		-	222
		3-3.5		X		-	-	-	-	-	-	-	<200
		4-4.5'		Х		-	-	-	•	-	•	•	<200
		5-5.5'		Х		-	-	-	-	-	-	-	<200
		6-6.5		Х		-	-	-	-	-	_	•	<200
		7-7.5'		Х		-	-	-		-	-	-	<200
		8-8.5'		Х		-	-	-	-	-	-	•	<200
		9-9.5'		X			-		•	-	-	•	<200
AH-2	4/22/2010	0-1'	, to 1, to 1	X		<1:00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	790
		1-1.5'		Х		-	-	-		-	-	-	<200
		2-2.5'		X		-	-	-	-	-	-	•	<200
		3-3.5'		Х		-	-	•	-	-	-	•	<200
		4-4.5		Х		-	-	-	-	•	-	,	<200
		5-5.5'		Х		-	-	•	-	-	•	•	<200
		6-6.5		Х		_	-		-	-	-	•	<200
		7-7.5'		Х		-	-	•	-	-	-	-	<200
		8-8.5'		Х		-	-	-		-	-	•	<200
		9-9.5'		Х		-	-		_	-	-	-	<200

Sample	Sample	Sample	Depth		l Status	TF	PH (mg/k	(g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
D	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-3	4/22/2010	0-1'	14 73	Х		<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	1:540
		િત્(-1:5¦∷્		X		Si bay	3 4, 4 4, 5	(1) • 11.				· , · • • • · · · · · · · · · · · · · ·	1,190
		2-2.5		X			(1.3 <u>(1.3 )</u>	J. Bayer					1,560
		3-3.5'		Χ	1 1 1 m x 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			17 (A) 18 (A)					∴ 1;250 ·
		4-4.5'		Х		-	-	-	-	-	•	-	990
		5-5.5'	_	X			-	-	•	-	-		640
		6-6.5'		Х		-	-	-	•	-	-	-	470
		7-7.5'		Х		-	-	-	-	-	-	•	285
		8-8.5'		Х		-	-	-	. •	-	-	-	<200
		9-9.5'		Х		-	-	-	-	-	` ••		<200

Sample	Sample	Sample	Depth	Soi	Status	TF	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-4	4/22/2010	🦟 0 <b>:</b> 1! 👼		<b>X</b> ()		<1.00	<50.0	<50.0				]	2,310
		़ि<1-1.5kg	45 /8	τ : <b>Χ</b> , ::		UBP USER LUGE PER		1 . <del>3</del> . 5					941
		2-2.5		, X	4.60								906
		3-3:5		5 X									931
		4-4.5		X				ro Kist Mart Ki		77.5 <u>6</u> 1(97.	The state of the s		1,060
		5-5.5		<b>X</b>					1000年7000			ŢĮĮ i	1,020
		6-6.5'		Х		-	-	-	-	-	-	-	971
		7-7.5'		Х		-	-	-	-	-	_	-	1,030
		8-8.5		Х		-	-	-	-	-	-	-	1,010
		9-9.5'		Х		-	-	-	-	-	-		881
SB-5	8/11/2010	[] [] ( ) 10 ( ) ( ]		, X	37,33,33	<2:00	<50.0	<50.0	<b>&lt;0.0200</b>	<0.0200	<0.0200	. <u>₹</u> 0.0200	2,060
	(3	ું <b>.ે.3</b> ' ફ્રાફે		X									760
	n	<b>5</b> 5		X				a di di Limbari					687
	n	7'	-	Х		-	,	-		-	•	-	636
	a	10'		Х		-	-	-	-	-	-		837
	1)	15'		Х		-	•	-	•	-	•	-	1,020
	Ħ	20'		Х		-	-	-	•	-	-	-	<200
										···········			

Sample	Sample	Sample	Depth	Soi	l Status	TP	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)		In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-5	4/22/2010	0-1		X	The state of the s	<1.00	<50.0	<50.0					5,590
		1-1.5		_ X .		17 <b>4</b> 244		7 - H					8,980
		2-2.5'	1977	X									3,910
		<b>3:3:3.5</b>		X		13 13 14 X	433			,			3,890
		4-4:5		<b>X</b>			76 1 23 1 34 1 33 1						3,790
		5-5.5	3 M. C.	X				1.5.2					2,620
		6-6.5	ŢĸŢ.	X		13723-14 1284-1884	$(\hat{\boldsymbol{\xi}},\hat{\boldsymbol{\xi}},\boldsymbol{\boldsymbol{\varphi}},\hat{\boldsymbol{\zeta}},\hat{\boldsymbol{\zeta}},\hat{\boldsymbol{\eta}})$	3.5 2 (12)	最晚, <del>"</del>				2,120
		7-7.5		- 3 <b>X</b> 5-3									2,440
		8-8.5		<b>.</b> X		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 × 2125		er sjærre i	1. 1. 2. 3.		1 ( 100 to 1)	6,240
		9-9.5'	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X	No. Projek								7,980
SB-1	8/11/2010			X.	e sa caractería	<2.00	<50.0	<50.0	<0.0200	<0.0200	~~<0.0200°	<0.0200	808
		3 <sup>1</sup>		- X				13 82 6				1991년 년 1991년 - 1891년	3,920
	10			<b>X</b>				14 ( )					4,710
	11	<b>第三7</b> 12 3	y victoria.	<b>X</b> *		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					Stee Jan		3,670
	"	10		X	I DESTA	2 may 12 mg 1				y i je pak	The said of the sa		8,120
	п	15'		×		-	-	-	-	-		-	295
	it .	20'		×		-	-	-	-	-	•	-	553
	п	25'		X		-	-	-	-	-	•	-	284
				τ									

Sample	Sample	Sample	Depth	Soi	l Status	TP	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-6	4/22/2010	0-1/	4 5 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X		9.05	<sup>4</sup> 60:80	69.85	<0.0100	<0.0100	<0.0100	0:0911	4,430
		1-1.5	1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	X						· 1		er in jager in the second of t	17:100
		2-2.5	- 1	ं हे <b>X</b> दी		$\mathcal{A}(Y_{0})$			and the second			The stage of	5,980
		3-3.5		Χ		,7,	2.000			1-13-1-5			5,820
		4-4.5	, , , , ,	<b>X</b> .			**************************************	5°35€	· · · · · · · · · · · · · · · · · · ·			, 44 %	4,350
		<b>:</b> 5-5.5',,	# 1865 C. J.	X									2,660
		6-6.5		X	1. 3 a . 3					The state of			4,670
		7-7.5		: ⟨ <b>X</b> ⊲∜			4030		5 5 4 5 5	Same in the same of the same o		7 . 7 . 3 . 7 . 7 . 7 . 7 . 7 . 7 . 7 .	10,200
		8-8.5'		Х		-	-	-	•	•	-	-	<200
		9-9.5'		Х		-	-	-	-		-	•	<200

Sample	Sample	Sample	Depth	Soi	l Status	TF	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-7	4/22/2010	0-1 <sup>17</sup> ///////////////////////////////////	1 M. T	X.		<1.00	<50.0	<50.0	<0.0100	<0.0100	<u>\$0.0100</u>	<0.0100	7,320
		] 1-1.5¹ ←		Х					ئېدى ( ) د اولون د د و د اولونو د د د			i i jerjak 🔭	682
		2-2.5'		Χ		Part in	多44°3.				The second second	£ 7,2 1. ***	826
		3-3.5		X									1,360
		4-4.5		X	自然的证	र इस्ट्रेडिय	3.1.3	ir jeri, ş		THE SECOND			3,620
		5-5.5		. X.			Figure - of the						3,950
		6-6.5		X			By John						<b>3,910</b>
		7-7:5		X						29.7	and the contract of		4,060
		8-8.5	1 4 51,	X					"大学"的"AST			1. 2. 2. 2.	4,370
		9-9.5'	Strat.	X		Paga Paga		14.5					5,200
SB-6	8/11/2010	*湯サート	14 Hr.	<b>X</b>	Edition.	<2.00	<50.0	<50.0					5,600
	0	્રેડ <b>ે, ે,3</b> '- ંે	J. O. B.	X				19. July 18.	自然自身			Olympia No.	1,180
	11	- , - <b>'5</b> '		X							- 7,3 1/2 11 2		1,930
	11	1. <b>7</b> . 3.		<b>X</b> ::*									4,030
	н	10		X	が変を流れる	4 - 12 1643			<b>建筑是为没</b>				2,720
	tş	15'		Х		-	-	_	-	-	-	-	1,540
	А	20'	,	Х		•	-	-	-	-		-	734
	n	25'		X		-	•	-	•	-	•	•	540
	"	30'		Х		-	-	-	-	-	-	•	320
	u ·	40'		Х		-	•	-	-	-	-	-	619
	n	50'		Х		-	-	•	-	-	-	•	530

Sample	Sample	Sample	Depth		Status	TP	H (mg/k	<b>g</b> )	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-8	4/22/2010	<b>0-1</b> '		×		<1.00	<50.0	<50.0					1,980
		√ 1.1.5 <sup>(%</sup> )		Χ			1	ار این این از این این از این این از این این از این از این از این ا	No granding to grand and a				-5,070
		2-2.5	\$ 1 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X		1. C.	3 7 7 2 3						5,200
		<b>3-3.5</b>	Jan Jag	Χ	Land Carlot Const	1 3 40°			19,25				5,380
		4-4.5	314	X							المراجعة ا المراجعة المراجعة ال		4,380
		5-5.5		X				1. S.	4.7				4,240
		6-6.5	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	X	· 建金属 海南							Yai Yai	4,270
		7-7.5		X		,		* * * * * * * * * * * * * * * * * * *		TAN BANG			4,020
		8-8.5		<b>X</b>	是"家族"的"大			12.7		11,34,34		and the second	8,910
		9-9-5		<b>X</b> X		The state of the s				The set,	2.		9,930
SB-2	8/11/2010	708t 25		<b>X</b>		~<2.00 j	< <b>50.0</b>	<50.0			the state of the		<200
	<b>11</b>	3/7		X					等的。				<200
	"	. <b>5</b> '		X		The state of the	1			والمراجعة أوالمناث			247
	10	清心 <b>才</b> 母等		X							Salar Salar Salar Salar	a digital and	4,970
	ı)	િ હ <b>ી 0'</b> ે		Χ.		1. T.		33.33					11,200
	"	<u></u>		X						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			4,290
	u	20		X									4,020
	et	25'		X		-	-	-	•	-	<u>-</u>	-	2,840
	n ,	30,		Х		-	-	-	-	-	•	-	369

Sample	Sample	Sample	Depth	Soi	l Status	TF	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)		In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-9	4/22/2010	0-1		<b>X</b>	33 1 TA (C)	<1.00	<50.0	<50.0	<0.0100	-<0.0100	<0.0100	<0.0100	1,460
		<sup>(2</sup> )[-1,5]		X		180.490		700					5,630
		2-2.5'	in the second	X			* 1 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			14 July 2000			5,900
		3-3.5		X									4,840
		4-4.5		<b>X</b>	The Marie		1. 25 m. 13					A. 6-257	4,290
		<b>5-5.5</b>		X				100 agrab					4,200
		6-6.5'		<u> </u>				, <u>.</u>				Committee to the second	4,450
		7-7.5		X		经上级	<i>∳</i> "=: 1€						4,450
		8-8.5		X			14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					18 (q. + 2.4)	13,700
		િંદ 9-9.5 જે	વ્યક્તિવારિક	**(* <b>X</b> \dots)	START SE		STORY OF						6,620
SB-3	8/11/2010		1932	3 X 2		<2.00	°<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0:0200	<200
	11	<b>3'</b>		× X.								20 .	<200
	tı	\$ 5' \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		1 X.	<b>学、袋、袋</b>		2 1 2 4 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of the s	" " To " " " " " " " " " " " " " " " " "	A John Ty	The state of the s		1,630
	í í	(3.75 kg)	13.5	XX	為不合意			المراقع المراق					4,650
	II .	10'		X	37 73 73 1 1		₩ <u>.</u>						9,960
	11	15'		X		1000							4,500
	n	20		X			REAL MARKET	J. Salara Salara			The said of the sa		4,090
	"	25'		Х	_	-	-	-	•	-	•	-	<200
	н	30'		Х		-	•	-	-	-	-	-	<200

Sample	Sample	Sample	Depth	Soi	l Status	TP	H (mg/k	g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-10	4/22/2010	Q-,1'	\$7 4 84 A	Х		<1.00	<50.0	<50.0			,		4,030
				Χ	15625	<b>.</b>	-7 / 3°						4,330
		2-2.5'	, , , , , , , , , , , , , , , , , , ,	X	""""""""	, <u>1</u> 00 							4,640
		3-3:5		<b>X</b> / .		- 45°	14.45,3	575.3					4,930
		4-4.5'		X			7 .25.		- <u>10</u>				4,170
		5-5.5		X		is _ is	100 B						4,700
		6-6.5		<b>X</b> .**				$\mathbb{C}_{2^{n+1}}\mathbb{F}(\mathcal{F})$					5,960
		7-7.5		X			waar.		\$18.00 N	. ***** ****			11,200
	·	<b>*********</b> 8-8.5		X		7			70 BA				9,120
		9-9.5	339, 15	X			Bileson.		11 333				7,410
SB-4	8/11/2010			X		<2.00	<50.0	<sup>1</sup> <50.0 <sup>1</sup>	<0.0200	<0.0200	<0.0200	<0.0200	<200
	n	ું ું3' ;		∵ <b>X</b>		Soft All				*			416
	11	<b>5</b> '.		X			3.5 <b>-</b> , 33						4,740
	tt.	3.7°		Χ				7.					6,610
	11	(10)	en Markets En Silver A	X			3.53						3,940
	0	15'		X		-	-	-	_	-	-	-	610
		20'		Х		-	-	-	-	-	-	-	<200
	lı	25'		Х		•	-	-	-	-	•	-	<200

Sample	Sample	Sample	Depth	Soi	l Status	TF	H (mg/k	(g)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ΙĎ	Date	Depth (ft)	(BEB)	In-Situ	Removed	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-11	4/22/2010	0-1		X		<1.00	<50.0	<50.0		* * * * * * * * * * * * * * * * * * *			. 3,200
		1-1.5'		Х		-	-	-	-	-	-	-	<200
		2-2.5'		Х	,	-	-	-	-	-	-	-	213
	`	3-3.5'		Х		-	-	-	•	-	-	-	<200
		4-4.5'		Х		-		•	-	-	•		<200
AH-12	4/22/2010	0-1	2	<b>X</b> *X*		<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	873
		1-1.5'		Х		-	-	-	-	•	-	-	<200
		2-2.5'		Х		-	-	-	•	-	-	-	<200
		3-3.5'		Х		-	-	-	-	•	-	-	247
		4-4.5'		Х		•	•	-	-	_	-	-	<200
AH-13	4/22/2010	ैं <sup>(*</sup> 0-1 के		X	A THE STATE OF THE	<1.00	<50.0	<50.0	<0.0100	<0.0100	ું <b>ઁ</b> 0.0100 ેં્	<0.0100	5,780
		1-1.5'		X		<b>-</b>	-	-	-	-	-	-	<200
		2-2.5'		Х		•	-	-	-	•	-	-	<200
		3-3.5'		Х		•	-	_	-	-	-	-	<200
AH-14	4/22/2010	0-1	985.S	X	Straight Straight	.<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	-<0.0100°;	2,040
		1-1.5'		Х		-	-	-	-	-	-	-	208
,		2-2.5'		Х		•	-	-	-	-	-	-	<200
		3-3.5'		Х		-	-	-	-	-	-	-	<200
AH-15	4/22/2010	0-1	Kakij	X		<1.00	<50.0	<50.0				ا المراجع المراجع المراج المراجع المراجع المراج	, [81]1; []
		1-1.5'		Х		-	-		-	į	-	-	<200
		2-2.5'		Х		-	-	-	-	-	•	-	<200
		3-3.5'		Х		-	-		-	-	-	-	<200

BEB Below Excavation Bottom

( - ) Not Analyzed







