

SITE INFORMATION

Report Type: Work Plan

General Site Information:

Site:	SENM SWD System (Northwest Central) - west	
Company:	COG Operating LLC	
Section, Township and Range	Unit N - Sec. 17 - T-17S - R-30E	
Lease Number:	NMNM-86025	
County:	Eddy Conty	
GPS:	32.83047° N	103.99600° W
Surface Owner:	Federal	
Mineral Owner:		
Directions:	From Loco Hills at the intersection of Hwy 82 and CR-217 (Hagerman Cutoff), travel north on CR-217 0.6 mi, turn left 0.4 mi, turn right 300' to location.	

Release Data:

Spill #1

Spill #2

Date Released:	5/12/2010	288-536	12/15/2011	288-573
Type Release:	Produced water		Oil	
Source of Contamination:	6" Poly line weld failed		Oil Tank	
Fluid Released:	300 bbls		23 bbls	
Fluids Recovered:	200 bbls		20 bbls	

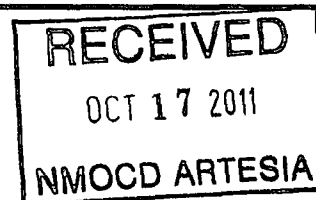
Official Communication:

Name:	Pat Ellis		Ike Tavaréz
Company:	COG Operating, LLC		Tetra Tech
Address:	550 W. Texas Ave. Ste. 1300		1910 N. Big Spring
P.O. Box			
City:	Midland Texas, 79701		Midland, Texas
Phone number:	(432) 686-3023		432-682-4559
Fax:	(432) 684-7137		
Email:	pellis@conchoresources.com		ike.tavarez@tetrattech.com

Ranking Criteria

Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	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:		0

Acceptable Soil RRAL (mg/kg)		
Benzene	Total BTEX	TPH
10	50	5,000





TETRA TECH

October 6, 2011

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

**Re: Assessment and Work Plan for the COG Operating LLC., SENM
SWD System (Northwest Central), Unit N, Section 17, 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 two spills from the SENM SWD System (Northwest Central) located in Unit N, Section 17, Township 17 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.83047°, W 103.99600°. The site location is shown on Figures 1 and 2.

Background

Spill #1

According to the State of New Mexico C-141 Initial Report, a leak was discovered on May 12, 2010, when approximately three hundred (300) barrels of produced water released from a poly line weld on a 6" transmission line. To alleviate the problem, COG personnel repaired the poly line. Two hundred (200) barrels of standing fluids were recovered. The spill initiated on the north of the facility, flowed south approximately 325' and migrated approximately 150' off the facility pad. The initial C-141 form is enclosed in Appendix A.

Tetra Tech

1910 North Big Spring, Midland, TX 79705

Tel 432.682.4559

Fax 432.682.3946

www.tetratech.com



Spill #2

On December 15, 2010, an oil tank overflowed caused by a plugged equalizer line, releasing approximately 23 barrels of oil. COG recovered 20 barrels using a vacuum truck. The spill flowed south of the facility pad measuring approximately 3' x 100' and migrated on top of the spill #1 footprint.

Groundwater

No water wells were listed within Section 17. According to the NMOCD groundwater map, the average depth to groundwater in this area appears to be 250' to 275' below surface. The groundwater 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 Analytical Results

Spill #1

On June 23, 2010, Tetra Tech personnel inspected and sampled the spill area. A total of seven (7) auger holes (AH-1 through AH-7) were installed using a stainless steel hand auger to assess the impacted soils. Auger holes were not installed east of the tanks, due to the dense surface caliche in the area. In addition, the area of AH-4 appears to be near a closed reserve pit area. 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 spill area and auger hole locations are shown on Figure 3.



Referring to Table 1, all of the submitted samples were below the RRAL for TPH and BTEX. Elevated chloride concentrations were detected in the majority of the auger holes. Auger holes (AH-2 and AH-4) were vertically defined at 7'-8' and 2'-3', respectively. The remaining auger holes required additional delineation.

On August 17, 2010, Tetra Tech supervised the installation of eight (8) soil borings (SB-1 through SB-8). In the area north of the facility, additional soil borings were not installed due to the buried electrical lines and active underground lines in the area. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The sampling results are summarized in Table 2. The soil boring locations are shown on Figure 3.

Referring to Table 1, all of the soil borings were vertically defined and show a shallow chloride impact to the subsurface soils ranging from 1.0' to 7.0' below surface. Soil boring (SB-3 and SB-6) showed a shallow impact to the soil at 1.0' and 2.0' below surface. SB-2, SB-4, SB-5, SB-7 and SB-8 were vertically defined at approximately 3.0' to 5.0' below surface. The area of SB-1 did show the deepest impact of 5.0' to 7.0' below surface.

Spill #2

On December 15, 2010, a second spill occurred at the site when the tank overflowed east of the tank battery and flowed south encompassing part of the spill #1 footprint. On February 25, 2011, Tetra Tech supervised the installation of seven (7) soil borings (SB-1 through SB-7). 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 sampling results are summarized in Table 2. The spill area and auger hole locations are shown on Figure 3.

Referring to Table 2, all of the submitted samples were below the RRAL for TPH and BTEX. The soil boring results showed a shallow chloride impact to the subsurface soils and were all defined at depths ranging from 3.0' to 7.0' below surface.



TETRA TECH

Work Plan

COG proposes to removal of impacted material as highlighted (green) in Table 1 and shown on Figure 4. In order to remove the elevated chloride concentrations, the excavations will range from 1.0' to 7.0' below surface. All of the excavated soil will be transported to proper disposal. Once excavated to the appropriate depths, the excavations will be backfilled with clean soil.

Based on location of the spill area, deeper excavation of the spill may not be achieve due to proximity of oil and gas equipment, structures or above or underground lines and electrical, which may cause cave ins and safety concerns for onsite equipment and personnel. As such, Tetra Tech will excavate the soils to the maximum extent practicable. If the depths are not reached in the deeper impacted areas, a 40 mil liner will be installed at depth of 4.0' below surface to cap the impacted area.

If the shallow excavation depths are not achieved, the remaining impact will be deferred until abandonment. The limited residual chloride impact in the subsurface soils would not appear to be an environmental concern, with groundwater depth of approximately 250' to 275' below surface.

If you have any questions or comments concerning the assessment or the proposed work plan, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH



Ike Tavaréz
Project Manager

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

Figures



Figure 1
SENM SWD System
Topo Map 1:100,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6400547

Date : 8-30-2010

File : H:\GIS\6400547\100



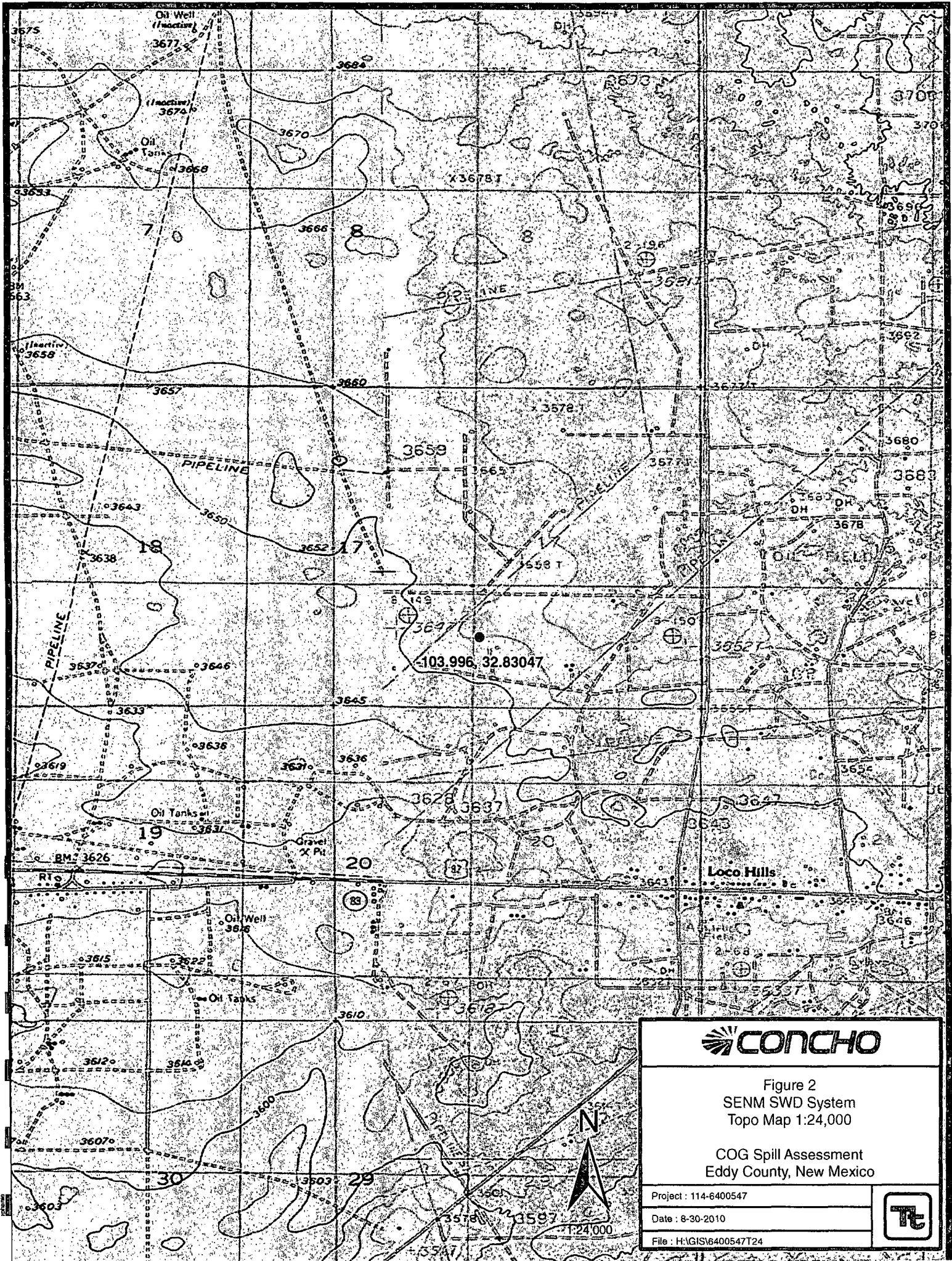


Figure 2
SENM SWD System
Topo Map 1:24,000

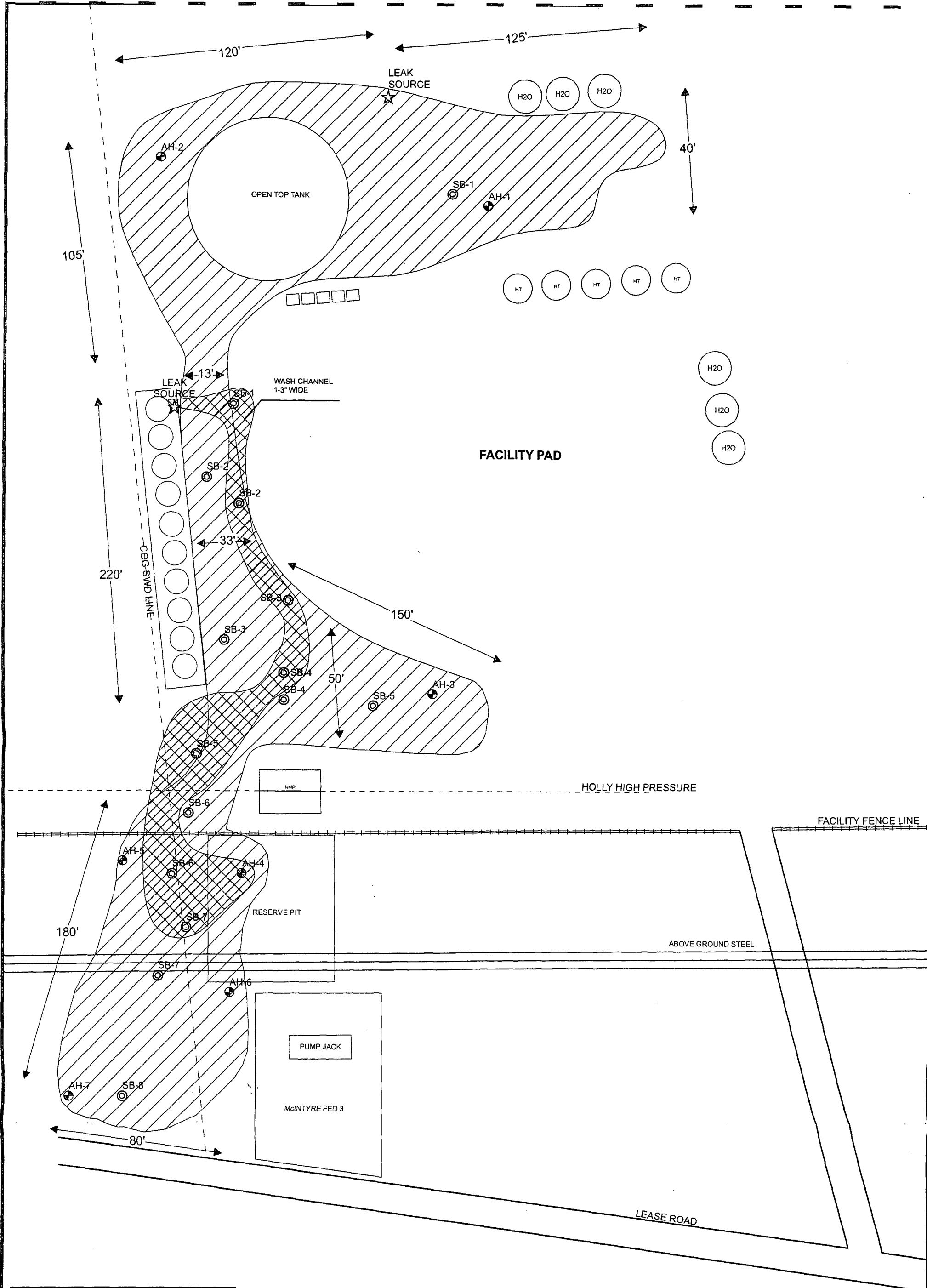
COG Spill Assessment
Eddy County, New Mexico

Project : 114-6400547

Date : 8-30-2010

File : H:\GIS\6400547T24





Explanation

- ☆ Spill Source
- ⊕ Auger Hole Sample
- ⊙ Spill #1 Soil Borehole
- ⊙ Spill #2 Soil Borehole
- ▨ Spill #1
- ▨ Spill #2



NOT TO SCALE



Figure 3
SENM SWD System
Site Map

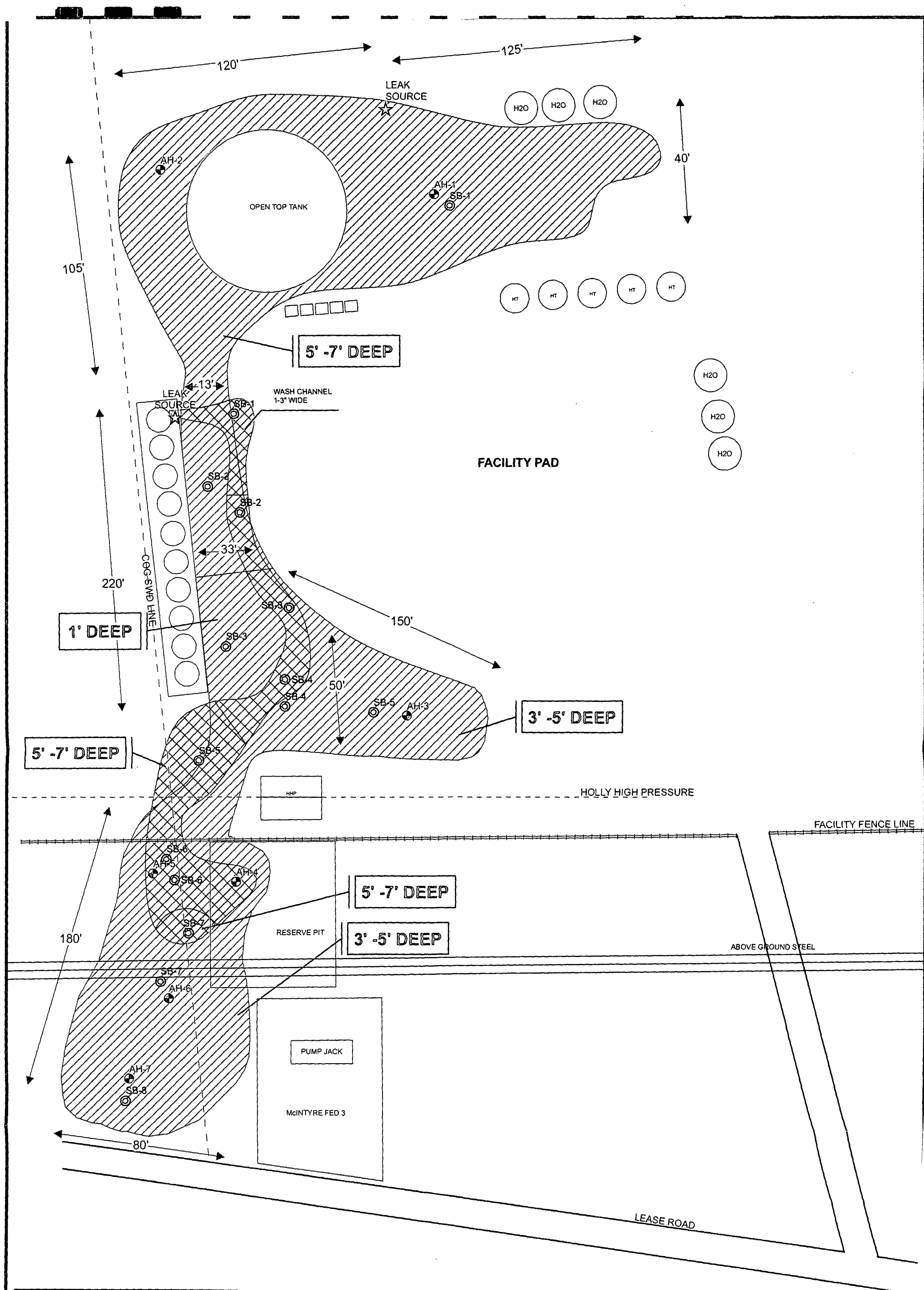
COG Spill Assessment
Eddy County, New Mexico

Project : 114-6400547

Date : 04-05-2011

File : H:\GIS\16400547





Explanation

- ☆ Spill Source
- Auger Hole Sample
- ⊙ Spill #1 Soil Borehole
- ⊙ Spill #2 Soil Borehole
- ▨ Proposed Excavation Depths



NOT TO SCALE

CONCHO	
Figure 4	
SENM SWD System	
Proposed Excavation Depths	
Eddy County, New Mexico	
Project : 114-6400547	
Date : 04-05-2011	
File : H:\GIS\6400547	

Tables

Table 1
COG Operating LLC.
SENM SWD System
Spill #1
Eddy COUNTY, NEW MEXICO

[illegible]

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COG Operating LLC.
SENM SWD System
Spill #1
Eddy COUNTY, NEW MEXICO

[illegible]

Table 1
COG Operating LLC.
SENM SWD System
Spill #1
Eddy COUNTY, NEW MEXICO

[illegible]

Table 1
COG Operating LLC.
SENM SWD System
Spill #1
Eddy COUNTY, NEW MEXICO

[illegible]

Table 1
COG Operating LLC.
SENM SWD System
Spill #1
Eddy COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	BTEX Total	Chloride (mg/kg)
				In-Situ	Removed	DRO	GRO	Total						
AH-7	6/23/10	0-1'		X		<50.0	<2.00	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.02	2800
		1-1.5'		X		-	-	-	-	-	-	-	-	4880
		2-2.5'		X		-	-	-	-	-	-	-	-	6240
SB-8	8/18/10	1'		X		<50.0	<2.00	<50.0	-	-	-	-		863
		3'		X		-	-	-	-	-	-	-		1,430
		5'		X		-	-	-	-	-	-	-		1,900
		7'		X		-	-	-	-	-	-	-		1,260
		10'		X		-	-	-	-	-	-	-		456
		15'		X		-	-	-	-	-	-	-		739
		20'		X		-	-	-	-	-	-	-		481
		25'		X		-	-	-	-	-	-	-		496
		30'		X		-	-	-	-	-	-	-		337
		40'		X		-	-	-	-	-	-	-		<200

BEB Below Excavation Bottom

(--) Not Analyzed

 Excavated material

Table 2
COG Operating LLC.
SENM SWD System
Spill #2
Eddy COUNTY, NEW MEXICO

[illegible]

Table 2
COG Operating LLC.
SENM SWD System
Spill #2
Eddy COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	DRO	GRO	Total					
SB-5	3/1/11	0-1'	X		3,530	1,730	5,260	2.86	82.8	64.8	86.0	5,300
	"	3'	X		2960	2850	5810	3.60	75.1	69.9	89.6	5,180
	"	5'	X		252	287	539	<0.100	0.602	3.71	6.61	3,680
	"	7'	X		-	-	-	-	-	-	-	1,300
	"	10'	X		-	-	-	-	-	-	-	<200
	"	15'	X		-	-	-	-	-	-	-	<200
	"	20'	X		-	-	-	-	-	-	-	235
SB-6	3/1/11	0-1'	X		3,870	1,530	5,400	<0.200	3.16	17.8	34.7	<200
	"	3'	X		<50.0	<2.00	<50.0	<0.0200	0.159	<0.0200	<0.0200	2,010
	"	5'	X		-	-	-	-	-	-	-	1,000
	"	7'	X		-	-	-	-	-	-	-	418
	"	10'	X		-	-	-	-	-	-	-	354
	"	15'	X		-	-	-	-	-	-	-	251
	"	20'	X		-	-	-	-	-	-	-	<200
	"	25'	X		-	-	-	-	-	-	-	221
	"	30'	X		-	-	-	-	-	-	-	320
SB-7	3/1/11	0-1'	X		10,800	3,640	14,440	5.25	86.5	87.6	120	1,080
	"	3'	X		1560	1240	2800	1.37	46.9	39.5	63.7	4,180
	"	5'	X		<50.0	<2.00	<50.0	<0.0200	<0.0200	0.15	<0.0200	2,500
	"	7'	X		-	-	-	-	-	-	-	419
	"	10'	X		-	-	-	-	-	-	-	792
	"	15'	X		-	-	-	-	-	-	-	324
	"	20'	X		-	-	-	-	-	-	-	<200
	"	25'	X		-	-	-	-	-	-	-	279
	"	30'	X		-	-	-	-	-	-	-	<200

(--) Not Analyzed

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

0547
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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	SENM SWD System (Northwest Central)	Facility Type	Tank Battery

Surface Owner	Federal	Mineral Owner		Lease No.	
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	17	17S	30E					Eddy

Latitude 32 49.840 Longitude 103 59.763

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	300bbls	Volume Recovered	200bbls
Source of Release	6" produced water transmission line	Date and Hour of Occurrence	05/12/2010	Date and Hour of Discovery	05/12/2010 5:00 p.m.

Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	Mike Bratcher - OCD Terry Gregston - BLM
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By Whom?	Josh Russo	Date and Hour	05/13/2010 4:09 p.m.
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Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	
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If a Watercourse was Impacted, Describe Fully.*	
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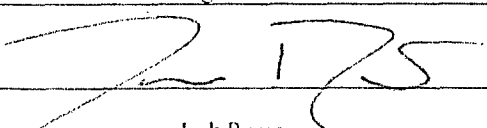
Describe Cause of Problem and Remedial Action Taken.*	
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The cause of the release was due to the failure of a poly weld on a 6" produced water transmission line. The line was immediately repaired and put back into service.

Describe Area Affected and Cleanup Action Taken.*	
---	--

Initially 300bbls of produced water was released and we were able to recover 200bbls with a vacuum truck. The main area of the release on the pad location had the dimensions of 150'x130'. A stream then headed south on the pad location with the dimensions of 5'x100' before heading off the south end of the pad and into the pasture. The stream into the pasture went roughly 170'. (The closest well location to the release is the MCINTYRE DK FEDERAL #3, Unit N, 17-17S-30E, 660 FSL 1980 FWL, 32.82917 - 103.99629, API# 30-015-04186) Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a remediation work plan to the BLM / NMOCD for approval before any significant remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:				OIL CONSERVATION DIVISION	
Printed Name:	Josh Russo			Approved by District Supervisor:	
Title:	HSE Coordinator			Approval Date:	Expiration Date:
E-mail Address:	jrusso@conchoresources.com			Conditions of Approval:	Attached ☐
Date:	05/21/2010			Phone:	432-212-2399

* Attach Additional Sheets If Necessary

222-530

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	McIntyre DK Federal (Northwest Central)	Facility Type	Tank Battery
Surface Owner	Federal	Mineral Owner	Lease No. NMNM-86025

LOCATION OF RELEASE

Unit Letter N	Section 17	Township 17S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude 32 49.804 Longitude 103 59.782

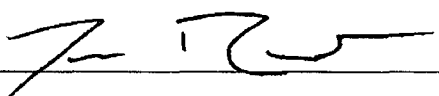
NATURE OF RELEASE

Type of Release	Oil	Volume of Release	23bbls	Volume Recovered	20bbls
Source of Release	Oil Tank	Date and Hour of Occurrence	12/15/2010	Date and Hour of Discovery	12/15/2010 8:00a.m.
Was Immediate Notice Given?	☐ Yes ☒ No ☒ Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*	RECEIVED OCT 17 2011 NMOCD ARTESIA
Describe Cause of Problem and Remedial Action Taken.* The equalizer line was plugged causing the oil tank to overflow. The plugged equalizer line has been cleaned out.	

Describe Area Affected and Cleanup Action Taken.* Initially 23bbls of oil was released from the oil tank and we were able to recover 20bbls with a vacuum truck. The oil traveled south on the pad location 3' x 100', and then off the pad roughly 30' towards a prior spill location. All oil has been picked up with a vacuum truck, pad material has been scraped of contaminants, tanks and lines have been steamed. (Well location on the same pad, McIntyre Federal #6, (API#) 30-015-20972).

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Josh Russo	Approved by District Supervisor:		
Title: HSE Coordinator	Approval Date:	Expiration Date:	
E-mail Address: jrusso@conchoresources.com	Conditions of Approval:		Attached ☐
Date: 12/17/2010 Phone: 432-212-2399			

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
North Central Tank Battery
Eddy County, New Mexico

16 South			29 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
110	29	28	27	26	25
30	32	33	34	35	36
31					

16 South			30 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South			31 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
290					

17 South			29 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	210	28	27	26
31	32	33	34	35	36

17 South			30 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

17 South			31 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South			29 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South			30 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South			31 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
 Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location

Appendix C

Summary Report

Ike Tavaréz
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: July 2, 2010

Work Order: 10062804



Project Location: Eddy County, NM
Project Name: COG/SENM SWD System
Project Number: 114-6400547

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
235925	AH-1 0-1'	soil	2010-06-23	00:00	2010-06-25
235926	AH-1 1-1.5'	soil	2010-06-23	00:00	2010-06-25
235927	AH-1 2-2.5'	soil	2010-06-23	00:00	2010-06-25
235928	AH-2 0-1'	soil	2010-06-23	00:00	2010-06-25
235929	AH-2 1-1.5'	soil	2010-06-23	00:00	2010-06-25
235930	AH-2 2-2.5'	soil	2010-06-23	00:00	2010-06-25
235931	AH-2 3-3.5'	soil	2010-06-23	00:00	2010-06-25
235932	AH-2 4-4.5'	soil	2010-06-23	00:00	2010-06-25
235933	AH-2 5-5.5'	soil	2010-06-23	00:00	2010-06-25
235934	AH-2 6-6.5'	soil	2010-06-23	00:00	2010-06-25
235935	AH-2 7-7.5'	soil	2010-06-23	00:00	2010-06-25
235936	AH-2 8-8.5'	soil	2010-06-23	00:00	2010-06-25
235937	AH-3 0-1'	soil	2010-06-23	00:00	2010-06-25
235938	AH-4 0-1'	soil	2010-06-23	00:00	2010-06-25
235939	AH-4 1-1.5'	soil	2010-06-23	00:00	2010-06-25
235940	AH-4 2-2.5'	soil	2010-06-23	00:00	2010-06-25
235941	AH-4 3-3.5'	soil	2010-06-23	00:00	2010-06-25
235947	AH-5 0-1'	soil	2010-06-23	00:00	2010-06-25
235948	AH-5 1-1.5'	soil	2010-06-23	00:00	2010-06-25
235949	AH-6 0-1'	soil	2010-06-23	00:00	2010-06-25
235950	AH-7 0-1'	soil	2010-06-23	00:00	2010-06-25
235951	AH-7 1-1.5'	soil	2010-06-23	00:00	2010-06-25
235952	AH-7 2-2.5'	soil	2010-06-23	00:00	2010-06-25

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
235925 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

continued ...

... continued

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
235928 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
235937 - AH-3 0-1'	<0.100	<0.100	<0.100	<0.100	366	<10.0
235938 - AH-4 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
235947 - AH-5 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
235949 - AH-6 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
235950 - AH-7 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 235925 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		15800	mg/Kg	4.00

Sample: 235926 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		6220	mg/Kg	4.00

Sample: 235927 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		7440	mg/Kg	4.00

Sample: 235928 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		4400	mg/Kg	4.00

Sample: 235929 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		6410	mg/Kg	4.00

Sample: 235930 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		7030	mg/Kg	4.00

Sample: 235931 - AH-2 3-3.5'

Param	Flag	Result	Units	RL
Chloride		5660	mg/Kg	4.00

Sample: 235932 - AH-2 4-4.5'

Param	Flag	Result	Units	RL
Chloride		3140	mg/Kg	4.00

Sample: 235933 - AH-2 5-5.5'

Param	Flag	Result	Units	RL
Chloride		2270	mg/Kg	4.00

Sample: 235934 - AH-2 6-6.5'

Param	Flag	Result	Units	RL
Chloride		1230	mg/Kg	4.00

Sample: 235935 - AH-2 7-7.5'

Param	Flag	Result	Units	RL
Chloride		314	mg/Kg	4.00

Sample: 235936 - AH-2 8-8.5'

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

Sample: 235937 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		1850	mg/Kg	4.00

Sample: 235938 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		6220	mg/Kg	4.00

Sample: 235939 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		3140	mg/Kg	4.00

Sample: 235940 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		614	mg/Kg	4.00

Sample: 235941 - AH-4 3-3.5'

Param	Flag	Result	Units	RL
Chloride		287	mg/Kg	4.00

Sample: 235947 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		1650	mg/Kg	4.00

Sample: 235948 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		3240	mg/Kg	4.00

Sample: 235949 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		2420	mg/Kg	4.00

Sample: 235950 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		2800	mg/Kg	4.00

Sample: 235951 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		4880	mg/Kg	4.00

Sample: 235952 - AH-7 2-2.5'

Param	Flag	Result	Units	RL
Chloride		6240	mg/Kg	4.00

Order #: 10062804

Analysis Request of Chain of Custody Record



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 1 OF: 3

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ille Tavaroz

PROJECT NO.:

114-6400547

PROJECT NAME:

COG / SENIM SWD System

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

Order #: 10062804

Analysis Request of Chain of Custody Record

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

PAGE: 2 OF: 3

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400547

PROJECT NAME:

COG / SENM SWD System

 Eddy Co NM
 SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION		NUMBER	FILTERED	HCL	HNO3	ICE	NONE	BTEX 8021	TPH 8015	PAH 8270	RCRA Me	TCLP Me	TCLP Vol	TCLP Sem	RCI	GC-MS Vol	GC-MS S	PCB's 800	Pest. 808	Chloride	Gamma S	Alpha Bet	PLM (Asb)	Major An
236936	6/23		S		X	AH-2	7-7.5'	1				X														X				
936						AH-2	8-8.5'																			X				
937						AH-3	0-1'																			X				
938						AH-4	0-1'							XX												X				
939						AH-4	1-1.5'																			X				
940						AH-4	2-2.5'																			X				
941						AH-4	3-3.5'																			X				
942						AH-4	4-4.5'																							
943						AH-4	5-5.5'																							
944						AH-4	6-6.5'																							

RELINQUISHED BY: (Signature)

 Date: 6-23-10
 Time: 1650

RECEIVED BY: (Signature)

 Date: 6/23/10
 Time: 1650

SAMPLED BY: (Print & Initial)

 Date: 6-23-10
 Time:

RELINQUISHED BY: (Signature)

 Date:
 Time:

RECEIVED BY: (Signature)

 Date:
 Time:

SAMPLE SHIPPED BY: (Circle)

 FEDEX
 HAND DELIVERED

 AIRBILL #:
 OTHER:

RELINQUISHED BY: (Signature)

 Date:
 Time:

RECEIVED BY: (Signature)

 Date:
 Time:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

RECEIVED BY: (Signature)

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

3.2° intact

 If TPH > 5000 mg/kg Run deeper Samples
 If BTEX > 500 mg/kg Run deeper Samples

Ike Tavaraz

 RUSH Charges
 Authorized:
 Yes No

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10062804

Analysis Request of Chain of Custody Record

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

PAGE: 3 OF: 3

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:		SITE MANAGER:		PROJECT NAME:		NUMBER OF CONTAINERS	PRESERVATIVE METHOD				BTEX 8021B	TPH 8015 MOD	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vt Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/824	GC/MS Semi. Vol. 8270/825	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS		
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB		NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3																		ICE	NONE
235945	6/23		S	X	AH-4	1				X																			
946					AH-4																								
947					AH-5																								
948					AH-5																								
949					AH-6																								
950					AH-7																								
951					AH-7																								
952					AH-7																								

RELINQUISHED BY: (Signature)	Date: 6-23-10	RECEIVED BY: (Signature)	Date: 6-23-10	SAMPLED BY: (Print & Initial)	Date: 6-23-10
RELINQUISHED BY: (Signature)	Date: 6-23-10	RECEIVED BY: (Signature)	Date: 6-23-10	SAMPLE SHIPPED BY: (Circle)	Date: 6-23-10
RELINQUISHED BY: (Signature)	Date: 6-23-10	RECEIVED BY: (Signature)	Date: 6-23-10	FEDEX	BUS
RECEIVING LABORATORY: Texas	RECEIVED BY: (Signature)	DATE: 6-23-10	TIME: 16:50	HAND DELIVERED	UPS
ADDRESS: Midland	STATE: TX	ZIP: 79701	PHONE: 432-682-4559	TETRA TECH CONTACT PERSON: Ite Tavaraz	Results by:
CITY: Midland	STATE: TX	ZIP: 79701	PHONE: 432-682-4559	RUSH Charges Authorized:	Yes No
CONTACT: 432-682-4559	DATE: 6-23-10	TIME: 16:50	REMARKS: IF TPH > 5000 mg/kg Run deeper samples		
SAMPLE CONDITION WHEN RECEIVED: 3.4°C intact			REMARKS: IF BTEX Total > 50 OR Benzene > 10 Run deeper samples		

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Summary Report

Ike Tavaréz
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: March 22, 2011

Work Order: 11030728



Project Location: Eddy County, NM
Project Name: COG/North West Central Tank Battery
Project Number: 114-6400547

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
259804	SB-1 0-1'	soil	2011-02-25	00:00	2011-03-04
259805	SB-1 3'	soil	2011-02-25	00:00	2011-03-04
259806	SB-1 5'	soil	2011-02-25	00:00	2011-03-04
259807	SB-1 7'	soil	2011-02-25	00:00	2011-03-04
259808	SB-1 10'	soil	2011-02-25	00:00	2011-03-04
259809	SB-1 15'	soil	2011-02-25	00:00	2011-03-04
259810	SB-1 20'	soil	2011-02-25	00:00	2011-03-04
259811	SB-2 0-1'	soil	2011-02-25	00:00	2011-03-04
259812	SB-2 3'	soil	2011-02-25	00:00	2011-03-04
259813	SB-2 5'	soil	2011-02-25	00:00	2011-03-04
259814	SB-2 7'	soil	2011-02-25	00:00	2011-03-04
259815	SB-2 10'	soil	2011-02-25	00:00	2011-03-04
259816	SB-2 15'	soil	2011-02-25	00:00	2011-03-04
259817	SB-2 20'	soil	2011-02-25	00:00	2011-03-04
259818	SB-3 0-1'	soil	2011-02-25	00:00	2011-03-04
259819	SB-3 3'	soil	2011-02-25	00:00	2011-03-04
259820	SB-3 5'	soil	2011-02-25	00:00	2011-03-04
259821	SB-3 7'	soil	2011-02-25	00:00	2011-03-04
259822	SB-3 10'	soil	2011-02-25	00:00	2011-03-04
259823	SB-3 15'	soil	2011-02-25	00:00	2011-03-04
259824	SB-3 20'	soil	2011-02-25	00:00	2011-03-04
259825	SB-4 0-1'	soil	2011-03-01	00:00	2011-03-04
259826	SB-4 3'	soil	2011-03-01	00:00	2011-03-04
259827	SB-4 5'	soil	2011-03-01	00:00	2011-03-04
259828	SB-4 7'	soil	2011-03-01	00:00	2011-03-04
259829	SB-4 10'	soil	2011-03-01	00:00	2011-03-04
259830	SB-4 15'	soil	2011-03-01	00:00	2011-03-04
259831	SB-4 20'	soil	2011-03-01	00:00	2011-03-04
259832	SB-5 0-1'	soil	2011-03-01	00:00	2011-03-04
259833	SB-5 3'	soil	2011-03-01	00:00	2011-03-04

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
259834	SB-5 5'	soil	2011-03-01	00:00	2011-03-04
259835	SB-5 7'	soil	2011-03-01	00:00	2011-03-04
259836	SB-5 10'	soil	2011-03-01	00:00	2011-03-04
259837	SB-5 15'	soil	2011-03-01	00:00	2011-03-04
259838	SB-5 20'	soil	2011-03-01	00:00	2011-03-04
259839	SB-6 0-1'	soil	2011-03-01	00:00	2011-03-04
259840	SB-6 3'	soil	2011-03-01	00:00	2011-03-04
259841	SB-6 5'	soil	2011-03-01	00:00	2011-03-04
259842	SB-6 7'	soil	2011-03-01	00:00	2011-03-04
259843	SB-6 10'	soil	2011-03-01	00:00	2011-03-04
259844	SB-6 15'	soil	2011-03-01	00:00	2011-03-04
259845	SB-6 20'	soil	2011-03-01	00:00	2011-03-04
259846	SB-6 25'	soil	2011-03-01	00:00	2011-03-04
259847	SB-6 30'	soil	2011-03-01	00:00	2011-03-04
259848	SB-7 0-1'	soil	2011-03-01	00:00	2011-03-04
259849	SB-7 3'	soil	2011-03-01	00:00	2011-03-04
259850	SB-7 5'	soil	2011-03-01	00:00	2011-03-04
259851	SB-7 7'	soil	2011-03-01	00:00	2011-03-04
259852	SB-7 10'	soil	2011-03-01	00:00	2011-03-04
259853	SB-7 15'	soil	2011-03-01	00:00	2011-03-04
259854	SB-7 20'	soil	2011-03-01	00:00	2011-03-04
259855	SB-7 25'	soil	2011-03-01	00:00	2011-03-04
259856	SB-7 30'	soil	2011-03-01	00:00	2011-03-04

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
259804 - SB-1 0-1'	<0.0200	<0.0200	0.140	0.391	<50.0	6.69
259811 - SB-2 0-1'					<50.0	<2.00
259818 - SB-3 0-1'					<50.0	<2.00
259825 - SB-4 0-1'					<50.0	<2.00
259832 - SB-5 0-1'	2.86	82.8	64.8	86.0	3530	1730
259833 - SB-5 3'	3.60	75.1	69.9	89.6	2960	2850
259834 - SB-5 5'	<0.100	0.602	3.71	6.61	252	287
259839 - SB-6 0-1'	<0.200	3.16	17.8	34.7	3870	1530
259840 - SB-6 3'	<0.0200	0.159	<0.0200	<0.0200	<50.0	<2.00
259848 - SB-7 0-1'	5.25	86.5	87.6	120	10800	3640
259849 - SB-7 3'	1.37	46.9	39.5	63.7	1560	1240
259850 - SB-7 5'	<0.0200	<0.0200	0.150	<0.0200	<50.0	<2.00

Sample: 259804 - SB-1 0-1'

Param	Flag	Result	Units	RL
Chloride		15400	mg/Kg	4.00

Sample: 259805 - SB-1 3'

Param	Flag	Result	Units	RL
Chloride		5170	mg/Kg	4.00

Sample: 259806 - SB-1 5'

Param	Flag	Result	Units	RL
Chloride		4380	mg/Kg	4.00

Sample: 259807 - SB-1 7'

Param	Flag	Result	Units	RL
Chloride		569	mg/Kg	4.00

Sample: 259808 - SB-1 10'

Param	Flag	Result	Units	RL
Chloride		489	mg/Kg	4.00

Sample: 259809 - SB-1 15'

Param	Flag	Result	Units	RL
Chloride		359	mg/Kg	4.00

Sample: 259810 - SB-1 20'

Param	Flag	Result	Units	RL
Chloride		250	mg/Kg	4.00

Sample: 259811 - SB-2 0-1'

Param	Flag	Result	Units	RL
Chloride		6040	mg/Kg	4.00

Sample: 259812 - SB-2 3'

Param	Flag	Result	Units	RL
Chloride		3360	mg/Kg	4.00

Sample: 259813 - SB-2 5'

Param	Flag	Result	Units	RL
Chloride		405	mg/Kg	4.00

Sample: 259814 - SB-2 7'

Param	Flag	Result	Units	RL
Chloride		207	mg/Kg	4.00

Sample: 259815 - SB-2 10'

Param	Flag	Result	Units	RL
Chloride		281	mg/Kg	4.00

Sample: 259816 - SB-2 15'

Param	Flag	Result	Units	RL
Chloride		252	mg/Kg	4.00

Sample: 259817 - SB-2 20'

Param	Flag	Result	Units	RL
Chloride		232	mg/Kg	4.00

Sample: 259818 - SB-3 0-1'

Param	Flag	Result	Units	RL
Chloride		498	mg/Kg	4.00

Sample: 259819 - SB-3 3'

Param	Flag	Result	Units	RL
Chloride		2310	mg/Kg	4.00

Sample: 259820 - SB-3 5'

Param	Flag	Result	Units	RL
Chloride		957	mg/Kg	4.00

Sample: 259821 - SB-3 7'

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

Sample: 259822 - SB-3 10'

Param	Flag	Result	Units	RL
Chloride		249	mg/Kg	4.00

Sample: 259823 - SB-3 15'

Param	Flag	Result	Units	RL
Chloride		234	mg/Kg	4.00

Sample: 259824 - SB-3 20'

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

Sample: 259825 - SB-4 0-1'

Param	Flag	Result	Units	RL
Chloride		1210	mg/Kg	4.00

Sample: 259826 - SB-4 3'

Param	Flag	Result	Units	RL
Chloride		1290	mg/Kg	4.00

Sample: 259827 - SB-4 5'

Param	Flag	Result	Units	RL
Chloride		857	mg/Kg	4.00

Sample: 259828 - SB-4 7'

Param	Flag	Result	Units	RL
Chloride		717	mg/Kg	4.00

Sample: 259829 - SB-4 10'

Param	Flag	Result	Units	RL
Chloride		339	mg/Kg	4.00

Sample: 259830 - SB-4 15'

Param	Flag	Result	Units	RL
Chloride		204	mg/Kg	4.00

Sample: 259831 - SB-4 20'

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

Sample: 259832 - SB-5 0-1'

Param	Flag	Result	Units	RL
Chloride		5300	mg/Kg	4.00

Sample: 259833 - SB-5 3'

Param	Flag	Result	Units	RL
Chloride		5180	mg/Kg	4.00

Sample: 259834 - SB-5 5'

Param	Flag	Result	Units	RL
Chloride		3680	mg/Kg	4.00

Sample: 259835 - SB-5 7'

Param	Flag	Result	Units	RL
Chloride		1300	mg/Kg	4.00

Sample: 259836 - SB-5 10'

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

Sample: 259837 - SB-5 15'

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

Sample: 259838 - SB-5 20'

Param	Flag	Result	Units	RL
Chloride		235	mg/Kg	4.00

Sample: 259839 - SB-6 0-1'

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

Sample: 259840 - SB-6 3'

Param	Flag	Result	Units	RL
Chloride		2010	mg/Kg	4.00

Sample: 259841 - SB-6 5'

Param	Flag	Result	Units	RL
Chloride		1000	mg/Kg	4.00

Sample: 259842 - SB-6 7'

Param	Flag	Result	Units	RL
Chloride		418	mg/Kg	4.00

Sample: 259843 - SB-6 10'

Param	Flag	Result	Units	RL
Chloride		354	mg/Kg	4.00

Sample: 259844 - SB-6 15'

Param	Flag	Result	Units	RL
Chloride		251	mg/Kg	4.00

Sample: 259845 - SB-6 20'

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

Sample: 259846 - SB-6 25'

Param	Flag	Result	Units	RL
Chloride		221	mg/Kg	4.00

Sample: 259847 - SB-6 30'

Param	Flag	Result	Units	RL
Chloride		320	mg/Kg	4.00

Sample: 259848 - SB-7 0-1'

Param	Flag	Result	Units	RL
Chloride		1080	mg/Kg	4.00

Sample: 259849 - SB-7 3'

Param	Flag	Result	Units	RL
Chloride		4180	mg/Kg	4.00

Sample: 259850 - SB-7 5'

Param	Flag	Result	Units	RL
Chloride		2500	mg/Kg	4.00

Sample: 259851 - SB-7 7'

Param	Flag	Result	Units	RL
Chloride		419	mg/Kg	4.00

Sample: 259852 - SB-7 10'

Param	Flag	Result	Units	RL
Chloride		792	mg/Kg	4.00

Sample: 259853 - SB-7 15'

Param	Flag	Result	Units	RL
Chloride		324	mg/Kg	4.00

Sample: 259854 - SB-7 20'

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

Sample: 259855 - SB-7 25'

Param	Flag	Result	Units	RL
Chloride		279	mg/Kg	4.00

Sample: 259856 - SB-7 30'

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

* WO# 11030728

Analysis Request of Chain of Custody Record

PAGE: 2 OF: 6

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

1146400547

PROJECT NAME:

North West Central Tank Battery

LAB I.D.
NUMBER

DATE

TIME

MATRIX
COMP
GRAB

Eddy Co

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)PRESERVATIVE
METHOD

259814

4/25

S

X

SB-2 7'

1

815

SB-2 10'

1

816

SB-2 15'

1

817

SB-2 20'

1

818

SB-3 0-1

1

819

SB-3 3'

1

820

SB-3 5'

1

821

SB-3 7'

1

822

SB-3 10'

1

823

SB-3 15'

1

RELINQUISHED BY: (Signature)

Date: 4-4-11

Time: 16:15

RECEIVED BY: (Signature)

Date: 3/4/11

Time: 16:15

SAMPLED BY: (Print & Initial)

Kim

Date: 2/25/11

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS

HAND DELIVERED UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

TRACE

RECEIVED BY: (Signature)

ADDRESS:

CITY: MIDLAND

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

4.0°C intact

REMARKS:

If total TPH < 5000 mg/kg run deeper samples
Run BTEX on 4 highest TPH

Ike Tavaraz

RUSH Charges

Authorized:

Yes No

ase fill out all copies - Laboratory retains Yellow copy - Return Original copy

etra Tech - Project Manager retains Pink copy - Accounting receives Gold c

*WO#11030728

Analysis Request of Chain of Custody Record

PAGE: 3 OF: 6

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

1146400547

PROJECT NAME:

North West Central Tank Battery

LAB I.D.
NUMBER

DATE

TIME

MATRIX
COMP.
GRAB
 Eddy Co., TX
 SAMPLE IDENTIFICATION

 NUMBER OF CONTAINERS
 FILTERED (Y/N)
PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTEX 8021B

STEPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Vr Pd Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/624

GC/MS Semi. Vol. 8270/625

PCB's 8080/608

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

259824

2/25

S

X

SB-3 20'

825

3/1

S

X

SD-4 0-1

826

SD-4 3'

827

SD-4 5'

828

SD-4 7'

829

SD-4 10'

830

SD-4 15'

831

SD-4 20'

832

SD-5 0-1'

833

SD-5 3'

RELINQUISHED BY: (Signature)

Date:

3-4-11

Time:

1615

RECEIVED BY: (Signature)

Date:

3/4/11

Time:

1615

SAMPLED BY: (Print & Initial)

Kim

Date:

2/25/11

Time:

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #:

~~AND DELIVERED~~

UPS

OTHER:

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY: MIDLAND

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

RECEIVED BY: (Signature)

Ike Tavaraz

RUSH Charges
Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

4.0 c intact

W00#11030728

Analysis Request of Chain of Custody Record

PAGE: 4 OF: 6



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

606

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400547

PROJECT NAME:

North west Central Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF	FILTERED (	HCL	HNO3	ICE	NONE	BTX 8021P	CPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatili	TCLP Semi	RCI	GC/MS Vol.	GC/MS Semi	PCB's 8080/	Pest. 808/6/6	Chloride	Gamma Spec	Alpha Beta	PLM (Asbes	Major Anion	
259834	3/1		S		X	SB-5 5'	1				X														X					
835						SB-5 7'	1																		X					
836						SB-5 10'	1																		X					
837						SB-5 15'	1																		X					
838						SB-5 20'	1																		X					
839						SB-6 0-1'	1								X										X					
840						SB-6 3'	1																		X					
841						SB-6 5'	1																		X					
842						SB-6 7'	1																		X					
843						SB-6 10'	1																		X					

RELINQUISHED BY: (Signature)

[Signature]

Date:

3-4-11

Time:

1615

RECEIVED BY: (Signature)

[Signature]

Date:

3/4/11

Time:

1615

SAMPLED BY: (Print & Initial)

Kim

Date:

3/4/11

Time:

1615

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

TETRA TECH CONTACT PERSON:

Ike Tavaraz

Results by:

RUSH Charges Authorized:

Yes No

RECEIVING LABORATORY:

ADDRESS:

CITY: MIDLAND

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

4.0°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy - Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold c

*WO# 11030728

Analysis Request of Chain of Custody Record

PAGE: 5

OF: 6

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6100547

PROJECT NAME:

North West Central Tank Battery

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHODBTEX 8021B
TPH 8015 MOD7 TX1005 (Ext. to C35)
PAH 8270RCRA Metals Ag As Ba Cd Cr Pb Hg Se
TCLP Metals Ag As Ba Cd Vr Pd Hg SeTCLP Volatiles
TCLP Semi VolatilesGC-MS Vol. 8240/8260/624
GC-MS Semi. Vol. 8270/625PCBs 8080/608
Pest. 808/608Chloride
Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

259844

3/1

S

X

SB-6 15'

1

845

SB-6 20'

1

846

SB-6 25'

1

847

SB-6 30'

1

848

SB-7 0-1

1

849

SB-7 3'

1

850

SB-7 5'

1

851

SB-7 7'

1

852

SB-7 10'

1

853

SB-7 15'

1

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLED BY: (Print & Initial)

Date:

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

FEDEX BUS
HAND DELIVERED UPS

OTHER:

RECEIVING LABORATORY:

TRACE

RECEIVED BY: (Signature)

ADDRESS:

CITY:

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

TETRA TECH CONTACT PERSON:

Ike Tavaraz

Results by:

RUSH Charges

Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

4.0°C intact

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy - Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

* WO# 11030728

Analysis Request of Chain of Custody Record

PAGE: 6 OF: 6

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavares

PROJECT NO.:

114-6400547

PROJECT NAME:

North West Central Tank Battery

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

PCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/608

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)

Date:

3-4-11

Time:

1615

RECEIVED BY: (Signature)

Date:

3/4/11

Time:

1615

SAMPLED BY: (Print & Initial)

Kim

Date:

3/4/11

Time:

1615

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

HAND DELIVERED

UPS

OTHER:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

TRACE

RECEIVED BY: (Signature)

ADDRESS:

CITY: MIDLAND

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

4.0° intact

Ike Tavares

RUSH Charges

Authorized:

Yes No

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy

Summary Report

Ike Tavaréz
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 30, 2010

Work Order: 10082003



Project Location: Eddy County, NM
Project Name: COG/SENM SWD System
Project Number: 114-6400547

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
241833	SB-1 1'	soil	2010-08-17	00:00	2010-08-20
241834	SB-1 3'	soil	2010-08-17	00:00	2010-08-20
241835	SB-1 5'	soil	2010-08-17	00:00	2010-08-20
241836	SB-1 7'	soil	2010-08-17	00:00	2010-08-20
241837	SB-1 10'	soil	2010-08-17	00:00	2010-08-20
241838	SB-1 15'	soil	2010-08-17	00:00	2010-08-20
241839	SB-1 20'	soil	2010-08-17	00:00	2010-08-20
241842	SB-2 1'	soil	2010-08-17	00:00	2010-08-20
241843	SB-2 3'	soil	2010-08-17	00:00	2010-08-20
241844	SB-2 5'	soil	2010-08-17	00:00	2010-08-20
241845	SB-2 7'	soil	2010-08-17	00:00	2010-08-20
241846	SB-2 10'	soil	2010-08-17	00:00	2010-08-20
241847	SB-2 15'	soil	2010-08-17	00:00	2010-08-20
241848	SB-2 20'	soil	2010-08-17	00:00	2010-08-20
241849	SB-3 1'	soil	2010-08-17	00:00	2010-08-20
241850	SB-3 3'	soil	2010-08-17	00:00	2010-08-20
241851	SB-3 5'	soil	2010-08-17	00:00	2010-08-20
241852	SB-3 7'	soil	2010-08-17	00:00	2010-08-20
241853	SB-3 10'	soil	2010-08-17	00:00	2010-08-20
241854	SB-3 15'	soil	2010-08-17	00:00	2010-08-20
241857	SB-4 1'	soil	2010-08-17	00:00	2010-08-20
241858	SB-4 3'	soil	2010-08-17	00:00	2010-08-20
241859	SB-4 5'	soil	2010-08-17	00:00	2010-08-20
241860	SB-4 7'	soil	2010-08-17	00:00	2010-08-20
241861	SB-4 10'	soil	2010-08-17	00:00	2010-08-20
241862	SB-4 15'	soil	2010-08-17	00:00	2010-08-20
241863	SB-4 20'	soil	2010-08-17	00:00	2010-08-20
241864	SB-4 25'	soil	2010-08-17	00:00	2010-08-20
241865	SB-4 30'	soil	2010-08-17	00:00	2010-08-20
241867	SB-5 1'	soil	2010-08-18	00:00	2010-08-20

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
241868	SB-5 3'	soil	2010-08-18	00:00	2010-08-20
241869	SB-5 5'	soil	2010-08-18	00:00	2010-08-20
241870	SB-5 7'	soil	2010-08-18	00:00	2010-08-20
241871	SB-5 10'	soil	2010-08-18	00:00	2010-08-20
241872	SB-5 15'	soil	2010-08-18	00:00	2010-08-20
241873	SB-5 20'	soil	2010-08-18	00:00	2010-08-20
241876	SB-6 1'	soil	2010-08-18	00:00	2010-08-20
241877	SB-6 3'	soil	2010-08-18	00:00	2010-08-20
241878	SB-6 5'	soil	2010-08-18	00:00	2010-08-20
241879	SB-6 7'	soil	2010-08-18	00:00	2010-08-20
241880	SB-6 10'	soil	2010-08-18	00:00	2010-08-20
241881	SB-6 15'	soil	2010-08-18	00:00	2010-08-20
241882	SB-6 20'	soil	2010-08-18	00:00	2010-08-20
241883	SB-7 1'	soil	2010-08-18	00:00	2010-08-20
241884	SB-7 3'	soil	2010-08-18	00:00	2010-08-20
241885	SB-7 5'	soil	2010-08-18	00:00	2010-08-20
241886	SB-7 7'	soil	2010-08-18	00:00	2010-08-20
241887	SB-7 10'	soil	2010-08-18	00:00	2010-08-20
241888	SB-7 15'	soil	2010-08-18	00:00	2010-08-20
241889	SB-7 20'	soil	2010-08-18	00:00	2010-08-20
241890	SB-7 25'	soil	2010-08-18	00:00	2010-08-20
241891	SB-7 30'	soil	2010-08-18	00:00	2010-08-20
241892	SB-8 1'	soil	2010-08-18	00:00	2010-08-20
241893	SB-8 3'	soil	2010-08-18	00:00	2010-08-20
241894	SB-8 5'	soil	2010-08-18	00:00	2010-08-20
241895	SB-8 7'	soil	2010-08-18	00:00	2010-08-20
241896	SB-8 10'	soil	2010-08-18	00:00	2010-08-20
241897	SB-8 15'	soil	2010-08-18	00:00	2010-08-20
241898	SB-8 20'	soil	2010-08-18	00:00	2010-08-20
241899	SB-8 25'	soil	2010-08-18	00:00	2010-08-20
241900	SB-8 30'	soil	2010-08-18	00:00	2010-08-20
241901	SB-8 40'	soil	2010-08-18	00:00	2010-08-20

Sample - Field Code	BTX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
241833 - SB-1 1'					<50.0	<2.00
241842 - SB-2 1'					<50.0	<2.00
241849 - SB-3 1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
241857 - SB-4 1'	<0.100	0.481	0.245	1.21	593	83.0
241867 - SB-5 1'	<0.200	<0.200	0.204	0.815	3060	<20.0
241876 - SB-6 1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
241883 - SB-7 1'					<50.0	<2.00
241892 - SB-8 1'					<50.0	<2.00

Sample: 241833 - SB-1 1'

Param	Flag	Result	Units	RL
Chloride		1870	mg/Kg	4.00

Sample: 241834 - SB-1 3'

Param	Flag	Result	Units	RL
Chloride		2780	mg/Kg	4.00

Sample: 241835 - SB-1 5'

Param	Flag	Result	Units	RL
Chloride		4380	mg/Kg	4.00

Sample: 241836 - SB-1 7'

Param	Flag	Result	Units	RL
Chloride		504	mg/Kg	4.00

Sample: 241837 - SB-1 10'

Param	Flag	Result	Units	RL
Chloride		248	mg/Kg	4.00

Sample: 241838 - SB-1 15'

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

Sample: 241839 - SB-1 20'

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

Sample: 241842 - SB-2 1'

Param	Flag	Result	Units	RL
Chloride		19400	mg/Kg	4.00

Sample: 241843 - SB-2 3'

Param	Flag	Result	Units	RL
Chloride		22800	mg/Kg	4.00

Sample: 241844 - SB-2 5'

Param	Flag	Result	Units	RL
Chloride		1350	mg/Kg	4.00

Sample: 241845 - SB-2 7'

Param	Flag	Result	Units	RL
Chloride		300	mg/Kg	4.00

Sample: 241846 - SB-2 10'

Param	Flag	Result	Units	RL
Chloride		230	mg/Kg	4.00

Sample: 241847 - SB-2 15'

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

Sample: 241848 - SB-2 20'

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

Sample: 241849 - SB-3 1'

Param	Flag	Result	Units	RL
Chloride		2440	mg/Kg	4.00

Sample: 241850 - SB-3 3'

Param	Flag	Result	Units	RL
Chloride		703	mg/Kg	4.00

Sample: 241851 - SB-3 5'

Param	Flag	Result	Units	RL
Chloride		234	mg/Kg	4.00

Sample: 241852 - SB-3 7'

Param	Flag	Result	Units	RL
Chloride		295	mg/Kg	4.00

Sample: 241853 - SB-3 10'

Param	Flag	Result	Units	RL
Chloride		337	mg/Kg	4.00

Sample: 241854 - SB-3 15'

Param	Flag	Result	Units	RL
Chloride		244	mg/Kg	4.00

Sample: 241857 - SB-4 1'

Param	Flag	Result	Units	RL
Chloride		6630	mg/Kg	4.00

Sample: 241858 - SB-4 3'

Param	Flag	Result	Units	RL
Chloride		8770	mg/Kg	4.00

Sample: 241859 - SB-4 5'

Param	Flag	Result	Units	RL
Chloride		399	mg/Kg	4.00

Sample: 241860 - SB-4 7'

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

Sample: 241861 - SB-4 10'

Param	Flag	Result	Units	RL
Chloride		422	mg/Kg	4.00

Sample: 241862 - SB-4 15'

Param	Flag	Result	Units	RL
Chloride		413	mg/Kg	4.00

Sample: 241863 - SB-4 20'

Param	Flag	Result	Units	RL
Chloride		554	mg/Kg	4.00

Sample: 241864 - SB-4 25'

Param	Flag	Result	Units	RL
Chloride		404	mg/Kg	4.00

Sample: 241865 - SB-4 30'

Param	Flag	Result	Units	RL
Chloride		291	mg/Kg	4.00

Sample: 241867 - SB-5 1'

Param	Flag	Result	Units	RL
Chloride		3460	mg/Kg	4.00

Sample: 241868 - SB-5 3'

Param	Flag	Result	Units	RL
Chloride		2520	mg/Kg	4.00

Sample: 241869 - SB-5 5'

Param	Flag	Result	Units	RL
Chloride		385	mg/Kg	4.00

Sample: 241870 - SB-5 7'

Param	Flag	Result	Units	RL
Chloride		208	mg/Kg	4.00

Sample: 241871 - SB-5 10'

Param	Flag	Result	Units	RL
Chloride		532	mg/Kg	4.00

Sample: 241872 - SB-5 15'

Param	Flag	Result	Units	RL
Chloride		449	mg/Kg	4.00

Sample: 241873 - SB-5 20'

Param	Flag	Result	Units	RL
Chloride		319	mg/Kg	4.00

Sample: 241876 - SB-6 1'

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

Sample: 241877 - SB-6 3'

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

Sample: 241878 - SB-6 5'

Param	Flag	Result	Units	RL
Chloride		2180	mg/Kg	4.00

Sample: 241879 - SB-6 7'

Param	Flag	Result	Units	RL
Chloride		981	mg/Kg	4.00

Sample: 241880 - SB-6 10'

Param	Flag	Result	Units	RL
Chloride		342	mg/Kg	4.00

Sample: 241881 - SB-6 15'

Param	Flag	Result	Units	RL
Chloride		250	mg/Kg	4.00

Sample: 241882 - SB-6 20'

Param	Flag	Result	Units	RL
Chloride		234	mg/Kg	4.00

Sample: 241883 - SB-7 1'

Param	Flag	Result	Units	RL
Chloride		3470	mg/Kg	4.00

Sample: 241884 - SB-7 3'

Param	Flag	Result	Units	RL
Chloride		4150	mg/Kg	4.00

Sample: 241885 - SB-7 5'

Param	Flag	Result	Units	RL
Chloride		614	mg/Kg	4.00

Sample: 241886 - SB-7 7'

Param	Flag	Result	Units	RL
Chloride		594	mg/Kg	4.00

Sample: 241887 - SB-7 10'

Param	Flag	Result	Units	RL
Chloride		468	mg/Kg	4.00

Sample: 241888 - SB-7 15'

Param	Flag	Result	Units	RL
Chloride		253	mg/Kg	4.00

Sample: 241889 - SB-7 20'

Param	Flag	Result	Units	RL
Chloride		287	mg/Kg	4.00

Sample: 241890 - SB-7 25'

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

Sample: 241891 - SB-7 30'

Param	Flag	Result	Units	RL
Chloride		292	mg/Kg	4.00

Sample: 241892 - SB-8 1'

Param	Flag	Result	Units	RL
Chloride		863	mg/Kg	4.00

Sample: 241893 - SB-8 3'

Param	Flag	Result	Units	RL
Chloride		1430	mg/Kg	4.00

Sample: 241894 - SB-8 5'

Param	Flag	Result	Units	RL
Chloride		1900	mg/Kg	4.00

Sample: 241895 - SB-8 7'

Param	Flag	Result	Units	RL
Chloride		1260	mg/Kg	4.00

Sample: 241896 - SB-8 10'

Param	Flag	Result	Units	RL
Chloride		456	mg/Kg	4.00

Sample: 241897 - SB-8 15'

Param	Flag	Result	Units	RL
Chloride		739	mg/Kg	4.00

Sample: 241898 - SB-8 20'

Param	Flag	Result	Units	RL
Chloride		481	mg/Kg	4.00

Sample: 241899 - SB-8 25'

Param	Flag	Result	Units	RL
Chloride		496	mg/Kg	4.00

Sample: 241900 - SB-8 30'

Param	Flag	Result	Units	RL
Chloride		337	mg/Kg	4.00

Sample: 241901 - SB-8 40'

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

W0 #: 10082003

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 7



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COX			SITE MANAGER: Ike Tavares			NUMBER OF CONTAINERS FILTERED (Y/N)	PRESERVATIVE METHOD					BTEX 8021B	TPH 8015 MOD TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vt Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/824	GC/MS Semi. Vol. 8270/825	PCB's 8080/808	Pest. 808/808	Chlorides	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS			
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB		PROJECT NAME: SEN M SWD Eddy Co NW SAMPLE IDENTIFICATION	HCL	HNO3	ICE	NONE																				
241833	8/17		S	X		SB-1	1			X		X																			
834						SB-1																									
835						SB-1																									
836						SB-1																									
837						SB-1																									
838						SB-1																									
839						SB-1																									
840						SB-1																									
841						SB-1																									
842						SB-2							X																		

RELINQUISHED BY: (Signature) [Signature]	Date: 8-19-10 Time: 9:40	RECEIVED BY: (Signature) [Signature]	Date: _____ Time: _____	SAMPLED BY: (Print & Initial) KD	Date: 8-17-10 Time: _____
RELINQUISHED BY: (Signature) [Signature]	Date: _____ Time: _____	RECEIVED BY: (Signature) [Signature]	Date: _____ Time: _____	SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS	AIRBILL #: _____ OTHER: _____
RELINQUISHED BY: (Signature) [Signature]	Date: _____ Time: _____	RECEIVED BY: (Signature) [Signature]	Date: _____ Time: _____	TETRA TECH CONTACT PERSON: Ike Tavares	Results by: RUSH Charges Authorized: Yes No
RECEIVING LABORATORY: [Signature] ADDRESS: CITY: Midland STATE: TX ZIP: _____ CONTACT: _____ PHONE: _____	RECEIVED BY: (Signature) [Signature] DATE: 8-19-10 TIME: 9:40				

SAMPLE CONDITION WHEN RECEIVED: 3.8'C intact	REMARKS: If TPH exceeds 5000 mg/kg run deeper sample Run BTEX on 4 highest TPH
---	--

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run RTFX on 4 highest TPH

Wo #: 10082003

Analysis Request of Chain of Custody Record



TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 3 OF: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaroz

PROJECT NO.:

114-6400547

PROJECT NAME:

JENM SWID

LAB I.D.
NUMBER

DATE
2010

TIME

MATRIX

CONF

GRAB

Eddy Co NM
SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

STEX 80218

TPH 8015 MOD TX1005 (Ext. to C35)

PAH 8270

PCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC-MS Vol. 8240/8260/824

GC-MS Semi. Vol. 8270/825

PCB's 8080/808

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

241853

8/17

S

X

SB-3

10'

1

X

854

SB-3

15'

855

SB-3

20'

856

SB-3

25'

857

SB-4

1'

X

858

SB-4

3'

859

SB-4

5'

860

SB-4

7'

861

SB-4

10'

862

SB-4

15'

RELINQUISHED BY: (Signature)

RELINQUISHED BY: (Signature)

RELINQUISHED BY: (Signature)

Date: 8-19-10

Time: 9:40

Date: _____

Time: _____

Date: _____

Time: _____

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

Date: _____

Time: _____

Date: _____

Time: _____

Date: _____

Time: _____

SAMPLED BY: (Print & Initial)

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS

HAND DELIVERED UPS

TETRA TECH CONTACT PERSON:

Date: 8-19-10

Time: _____

AIRBILL #: _____

OTHER: _____

Results by:

RUSH Charges

Authorized:

Yes No

RECEIVING LABORATORY: Icaale

ADDRESS:

CITY: Midland STATE: TX ZIP: _____

CONTACT: _____ PHONE: _____

RECEIVED BY: (Signature)

DATE: 8-19-10

TIME: 9:40

SAMPLE CONDITION WHEN RECEIVED:

3.8°C. it all

REMARKS:

If TPH exceeds 5000 mg/kg run deeper sample

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

D. RTFV -- 4 h.h. -- 1 TPH

WO #: WO82003

Analysis Request of Chain of Custody Record



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 4 OF: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COL

SITE MANAGER:

Ike Taveraz

PROJECT NO.:

114-6400547

PROJECT NAME:

SENM SWP

LAB I.D.
NUMBER

DATE
2010

TIME

MATRIX

COMP

GRAB

Eddy Co NM
SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTEX 8021B
TPH 8015 MOD TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/608

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

241863

8/17

S

X

SB-4

20'

1

X

864

SB-4

25'

865

SB-4

30'

866

SB-4

40'

867

8/18

SB-5

1'

868

SB-5

3'

869

SB-5

5'

870

SB-5

7'

871

SB-5

WO #: 10082003

Analysis Request of Chain of Custody Record



TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 5 OF: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

CDG

SITE MANAGER:

Ike Tavaroz

PROJECT NO.:

114-6400547

PROJECT NAME:

SENM SWA

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	Eddy Co NM SAMPLE IDENTIFICATION
241873	8/18		S		X	SB-5 20'
874						SB-5 25'
875						SB-5 30'
876						SB-6 1'
877						SB-6 3'
878						SB-6 5'
879						SB-6 7'
880						
881						SB-6 15'
882						SB-6 20'

RELINQUISHED BY: (Signature)

Date: August 19, 2010

RECEIVED BY: (Signature)

Date:

SAMPLED BY: (Print & Initial)

Date: 8-19-10

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

SAMPLE SHIPPED BY: (Circle)

OTHER:

RECEIVING LABORATORY:

Face

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

8/19/10

TIME:

9:40

TETRA TECH CONTACT PERSON:

Ike Tavaroz

Results by:

RUSH Charges

Authorized:

Yes No

SAMPLE CONDITION WHEN RECEIVED:

3-8'c in unit

REMARKS:

If TPH exceeds 5000 mg/kg run deeper sample

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on 4 highest TPH

WD#: 10082003

Analysis Request of Chain of Custody Record



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 6 OF: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ile Tavaroz

PROJECT NO.:

114-6400547

PROJECT NAME:

SENM SWD

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	BTX 8021B TPH 8015 PAH 8270 RCRA Metals TCLP Metals TCLP Volatiles TCLP Semi V RCI GC/MS Vol. 8 GC/MS Semi PCB's 8080/60 Pest. 808/60 Chlorides Gamma Spec Alpha Beta (4 PLM (Asbest Major Anions	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	OTHER	O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RELINQUISHED BY: (Signature)

Date: August 19, 2010

RECEIVED BY: (Signature)

Date: 8-19-10

SAMPLED BY: (Print & Initial)

Date: 8-19-10

RELINQUISHED BY: (Signature)

Date: 8/19

RECEIVED BY: (Signature)

Date: 8/19

SAMPLE SHIPPED BY: (Circle)

AIRBILL #: 8-19-10

RELINQUISHED BY: (Signature)

Date: 8/19

RECEIVED BY: (Signature)

Date: 8/19

FEDEX

BUS

OTHER: 8-19-10

RELINQUISHED BY: (Signature)

Date: 8/19

RECEIVED BY: (Signature)

Date: 8/19

HAND DELIVERED

UPS

OTHER: 8-19-10

RECEIVING LABORATORY: 10000

RECEIVED BY: (Signature)

Date: 8-19-10

TETRA TECH CONTACT PERSON:

Results by:

ADDRESS: 10000

RECEIVED BY: (Signature)

Date: 8-19-10

Ile Tavaroz

RUSH Charges

CITY: Midland

RECEIVED BY: (Signature)

Date: 8-19-10

Ile Tavaroz

Authorized:

STATE: TX

RECEIVED BY: (Signature)

Date: 8-19-10

Ile Tavaroz

Yes

CONTACT: 10000

RECEIVED BY: (Signature)

Date: 8-19-10

Ile Tavaroz

No

PHONE: 10000

RECEIVED BY: (Signature)

Date: 8-19-10

Ile Tavaroz

Yes

ZIP: 10000

RECEIVED BY: (Signature)

Date: 8-19-10

Ile Tavaroz

No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

3.0 c intact

REMARKS:

IF TPH exceeds 5000 mg/kg run deeper sample

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on 4 highest TPH

WO #: 10082003

Analysis Request of Chain of Custody Record



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 7 OF: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: CDG			SITE MANAGER: Ike Tavaraz			NUMBER OF CONTAINERS FILTERED (Y/N)	PRESERVATIVE METHOD					BTEX 8021B TPH 8015 MOD TX1005 (Ext. to C35) PAH 8270 RCHA Metals Ag As Ba Cd Cr Pb Hg Se TCLP Metals Ag As Ba Cd Vr Pd Hg Se TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8240/8260/824 GC/MS Semi. Vol. 8270/825 PCB's 8080/808 Pest. 808/808 Chlorides Gamma Spec. Alpha Beta (Air) PLM (Asbestos) Major Anions/Cations, pH, TDS					
PROJECT NO.: 114-6400547			PROJECT NAME: DEM SWD														
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION		HCL	HNO3	ICE	NONE						
241893	8/8		S	X		SB-8	3'			X							
894						SB-8	5'										
895						SB-8	7'										
896						SB-8	10'										
897						SB-8	15'										
898						SB-8	20'										
899						SB-8	25'										
900						SB-8	30'										
901						SB-8	40'										
902						SB-8	50'										
RELINQUISHED BY: (Signature) <i>Sally Smith</i>			Date: August 19, 2000 Time: 9:40			RECEIVED BY: (Signature) <i>[Signature]</i>			Date: _____ Time: _____			SAMPLED BY: (Print & Initial) RD		Date: 8-18-10 Time: _____			
RELINQUISHED BY: (Signature)			Date: _____ Time: _____			RECEIVED BY: (Signature)			Date: _____ Time: _____			SAMPLE SHIPPED BY: (Circle) FEDEX BUS		AIRBILL #: _____			
RELINQUISHED BY: (Signature)			Date: _____ Time: _____			RECEIVED BY: (Signature)			Date: _____ Time: _____			HAND DELIVERED UPS		OTHER: _____			
RECEIVING LABORATORY: Trace			ADDRESS: _____			RECEIVED BY: (Signature) <i>[Signature]</i>			DATE: 8.19.10			TIME: 9:40			TETRA TECH CONTACT PERSON: Ike Tavaraz		
CITY: Midland			STATE: Tx			ZIP: _____			PHONE: _____			RESULTS BY: _____			RUSH Charges Authorized: Yes No		
CONTACT: _____			SAMPLE CONDITION WHEN RECEIVED: 3.B.C. intact			REMARKS: If TPH exceeds 5000 mg/kg run deeper sample Run BTEX on 4 highest TPH											

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