

SITE INFORMATION

Report Type: Closure Report

General Site Information:

Site:	Northwest Central Tank Battery				
Company:	COG Operating LLC				
Section, Township and Range	Unit N	17	17S	30E	
Lease Number:					
County:	Eddy County				
GPS:	32.83009° N			103.9954° W	
Surface Owner:	Federal				
Mineral Owner:					
Directions:	From Loco Hills turn north on Co. Road 217 and travel 0.6 miles, turn left and travel 0.4 miles to the SWD.				

Release Data:

Date Released:	11/4/2010
Type Release:	Oil
Source of Contamination:	Drip Tank
Fluid Released:	15 barrels
Fluids Recovered:	6 barrels

Official Communication:

Name:	Pat Ellis	Ike Tavarez
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	432-425-3878
Fax:	(432) 684-7137	
Email:	pellis@conchoresources.com	ike.tavarez@tetrattech.com

Ranking Criteria

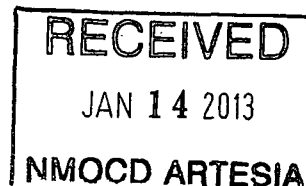
Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	0	0

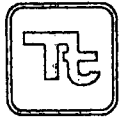
WellHead Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200 ft.	20	
Water Source >1,000 ft., Private >200 ft.	0	0

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

January 3, 2013

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

Re: Closure Report for the COG Operating LLC., North Central Tank Battery, 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 a spill at the 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 32.83009°, W 103.99540°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, a leak was discovered on November 4, 2010, when approximately fifteen (15) barrels of oil released from a drip tank overflow located on the pad shared with the McIntyre DK Federal #6 facility. Six (6) barrels of standing fluids were recovered. The spill initiated on front of the drip tanks and migrated south approximately 240' to the facility fence line and flowed off the pad approximately 190', along the lease road. The initial C-141 form is enclosed in Appendix A.

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.

Tetra Tech

1910 North Big Spring, Midland, TX 79705

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



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.

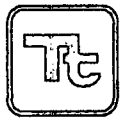
Soil Assessment and Analytical Results

On December 7 2010, Tetra Tech personnel inspected and sampled the spill area. A total of eleven (11) auger holes (AH-1 through AH-11) 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 sampling results are summarized in Table 1. The spill area and auger hole locations are shown on Figure 3.

Referring to Table 1, auger holes (AH-5, AH-6, AH-7 and AH-10) showed samples exceeding the RRAL for TPH, but were vertically defined at 1.0' to 4.0' below surface. In addition, either the benzene or total BTEX exceeded the RRAL in these areas. AH-5 and AH-7 were defined below the RRAL at 4.0' and 1.0', respectively. The total BTEX at 1.0' exceeded the RRAL at AH-6 and AH-10.

Elevated chloride concentrations were detected in AH-2, AH-3, AH-4 and AH-5. These areas were not vertically defined and deeper samples were not collected due to the dense caliche formation.

On February 24, 2011, Tetra Tech supervised the installation of seven (7) soil borings (SB-1 through SB-7) to define the chloride or hydrocarbon impact. 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 showed an impact to the subsurface soils ranging from 1.0' to 20.0' below surface. The area of SB-7 did showed a chloride spike at 30.0' of 1,900 mg/kg, which appears to be historical or interference from the upper soils. The chloride concentrations declined with depth to 1,090 mg/kg at 40.0' below surface. Soil borings (SB-2 and SB-3) showed a shallow impact to the soil at 1.0' and 2.0' below surface and SB-1 from approximately 3.0' to 5.0' below surface. The areas of SB-4, SB-5 and SB-7 showed the deepest impact to the soils from approximately 7.0' to 20.0' below surface.

Remediation and Conclusion

Based on the approved work plan, Tetra Tech personnel supervised the excavation of the site in March 2012. The final excavation of the spill footprint and depths were met as stated in the approved work plan. As recommended in the work plan, the areas of AH-2, AH-3 and AH-5 were capped with a 40 mil liner at 4.0' below surface and then backfilled to grade with clean material. The excavated areas and depths are highlighted in Table 1 and shown on Figure 4. Approximately 1,960 cubic yards of soil were excavated and transported to the R360 facility for proper disposal.

Once excavated to the appropriate depths, Tetra Tech collected confirmation samples from the excavation bottoms and sidewalls for chlorides. The confirmation sampling results are shown in Table 1. A representative from the BLM inspected the excavations and approved the backfilling of the site. In addition, the pasture area was seeded with a BLM approved mixture, then ripped and installed windrows in order to prevent erosion.

Based on the remedial activities performed, COG requests closure of the site. A copy of the C-141 (Final) is included in Appendix A. If you have any questions or comments concerning the remedial activities, please call at (432) 682-4559.

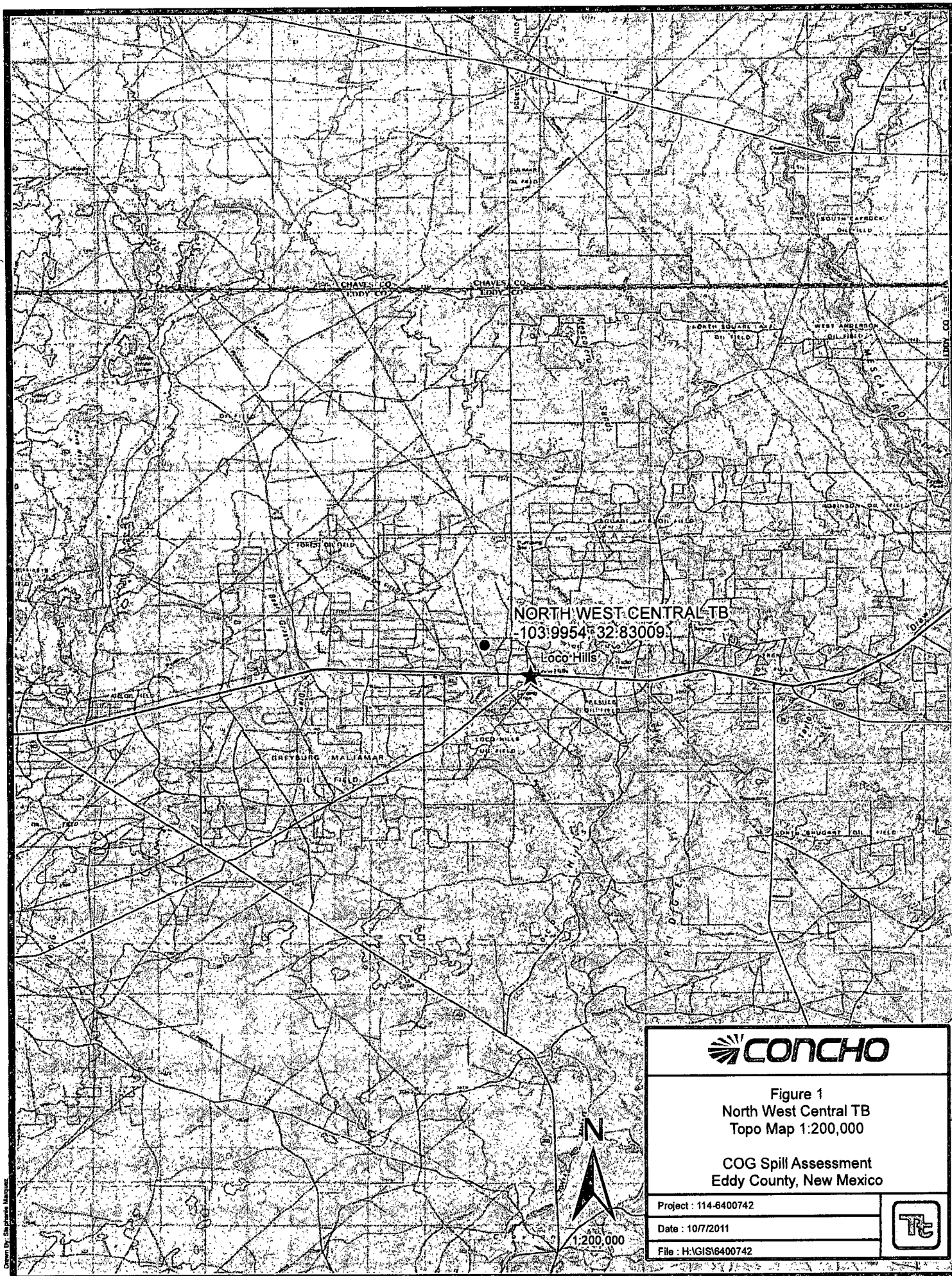
Respectfully submitted,
TETRA TECH



Ike Tavaréz, PG
Project Manager

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

Figures



CONCHO

Figure 1
North West Central TB
Topo Map 1:200,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6400742

Date : 10/7/2011

File : H:\GIS\6400742



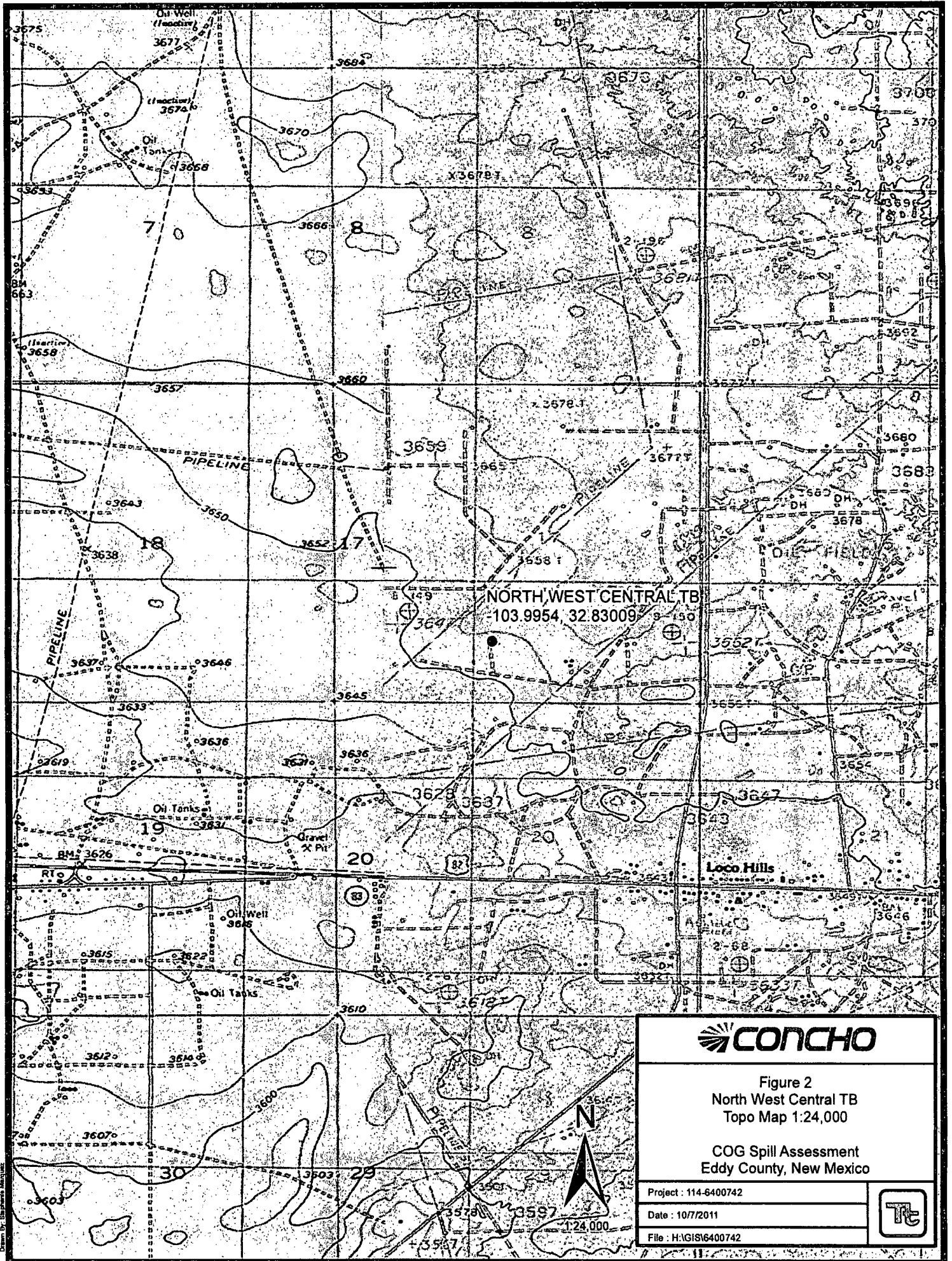


Figure 2
North West Central TB
Topo Map 1:24,000

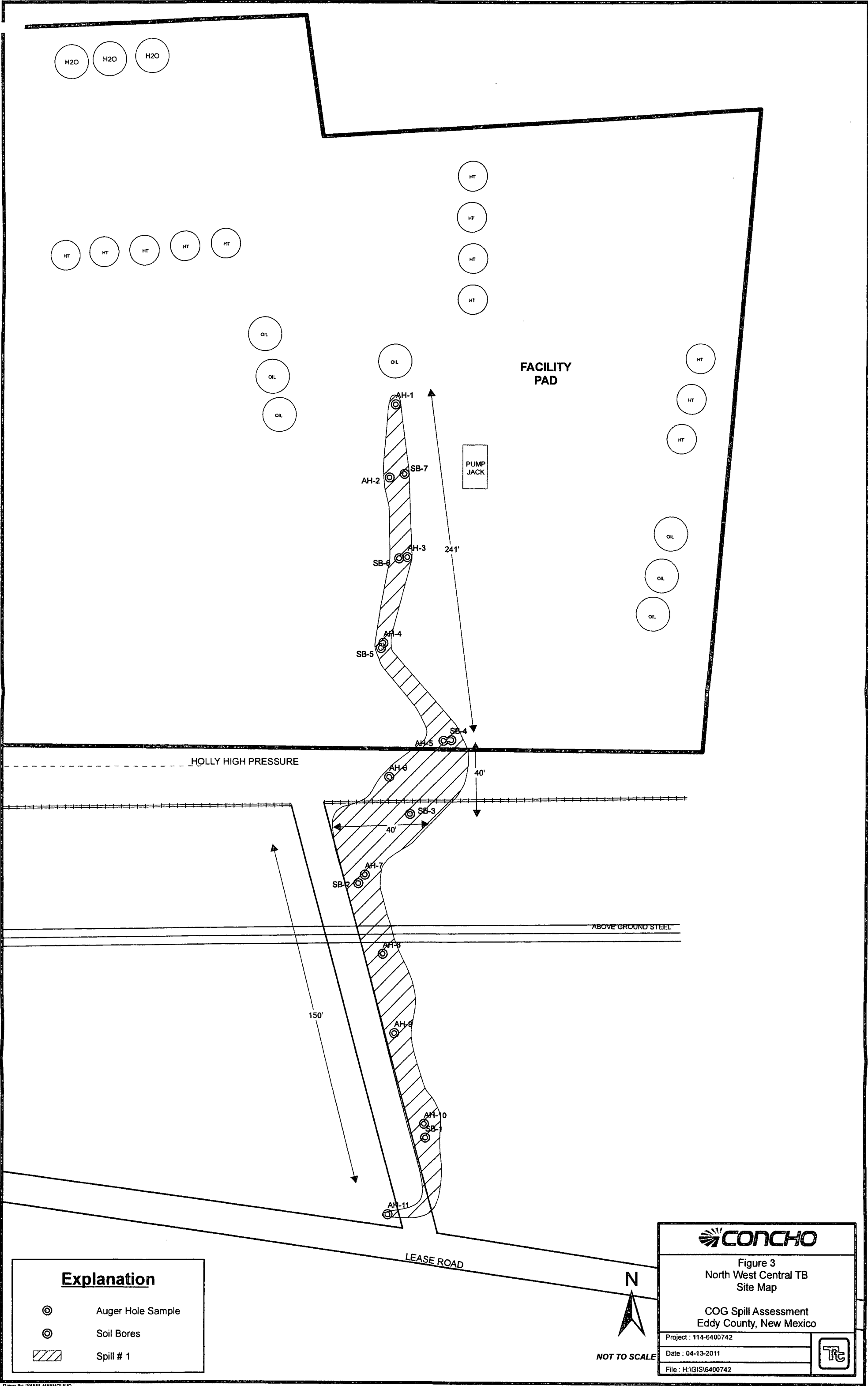
COG Spill Assessment
Eddy County, New Mexico

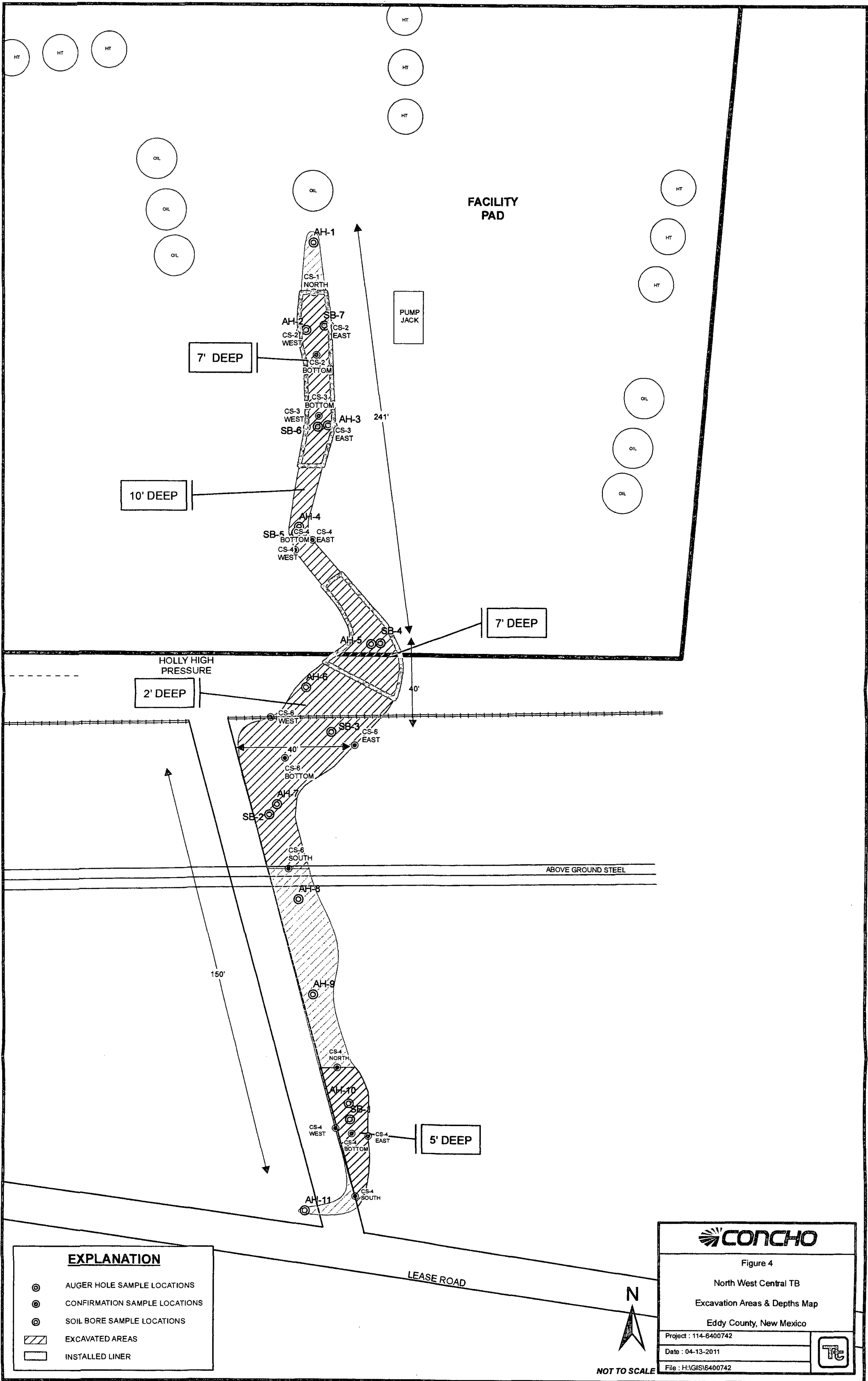
Project : 114-6400742

Date : 10/7/2011

File : H:\GIS\6400742







Tables

EDDY COUNTY, NEW MEXICO

[illegible]

Table 1
COG Operating LLC.
NORTH WEST CENTRAL TANK BATTERY
EDDY COUNTY, NEW MEXICO

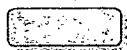
Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-10	12/8/2010	0-1	-		X	3,340	7,690	11,030	<1.00	46.7	94.0	133	273.7	<200
	"	1-1.5	-		X	796	2,940	3,736	<0.100	7.40	31.4	43.0	81.80	<200
SB-1	2/23/2011	0-1	-		X	1,420	7,540	8,960	<0.400	2.33	18.8	26.1	47.23	215
	"	3	-		X	1,490	6,890	8,380						<200
	"	5	-		X	14.4	162	176.4						<200
	"	7	-	X		<2.00	<50.0	<50.0	-	-	-	-	-	220
	"	10	-	X		-	-	-	-	-	-	-	-	251
	"	15	-	X		-	-	-	-	-	-	-	-	<200
	"	20	-	X		-	-	-	-	-	-	-	-	261
CS-4 Bottom	3/2/2012	5	-	X		-	-	-	-	-	-	-	-	326
CS-4 North Sidewall	3/2/2012	-	-	X		-	-	-	-	-	-	-	-	396
CS-4 East Sidewall	3/2/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-4 South Sidewall	3/2/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-4 West Sidewall	3/2/2012	-	-	X		-	-	-	-	-	-	-	-	<200
AH-11	12/8/2010	0-1	-	X		<2.00	<50.0	<50.0	-	-	-	-	-	<200
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	<200

BEB

Below Excavation Bottom

(--)

Not Analyzed



Excavated Material

40 Mil Liner Installed

Photos

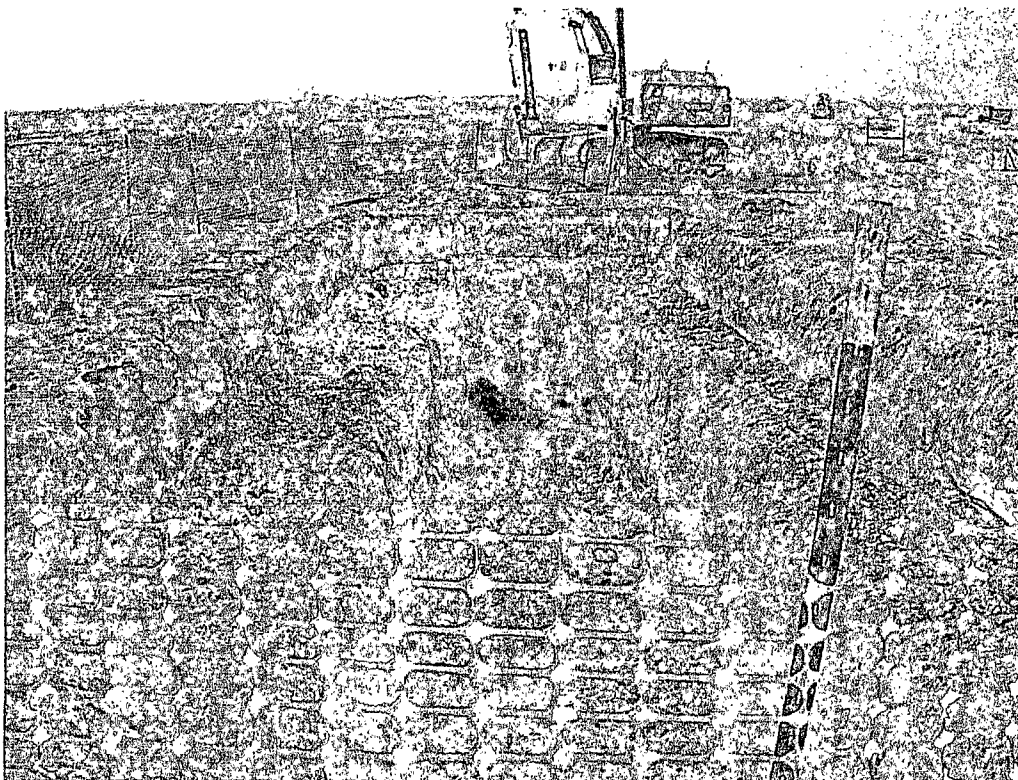
COG Operating LLC
Northwest Central Tank Battery
Eddy County, New Mexico



TETRA TECH



View North – Area of AH-2/SB-7, AH-3/SB-6

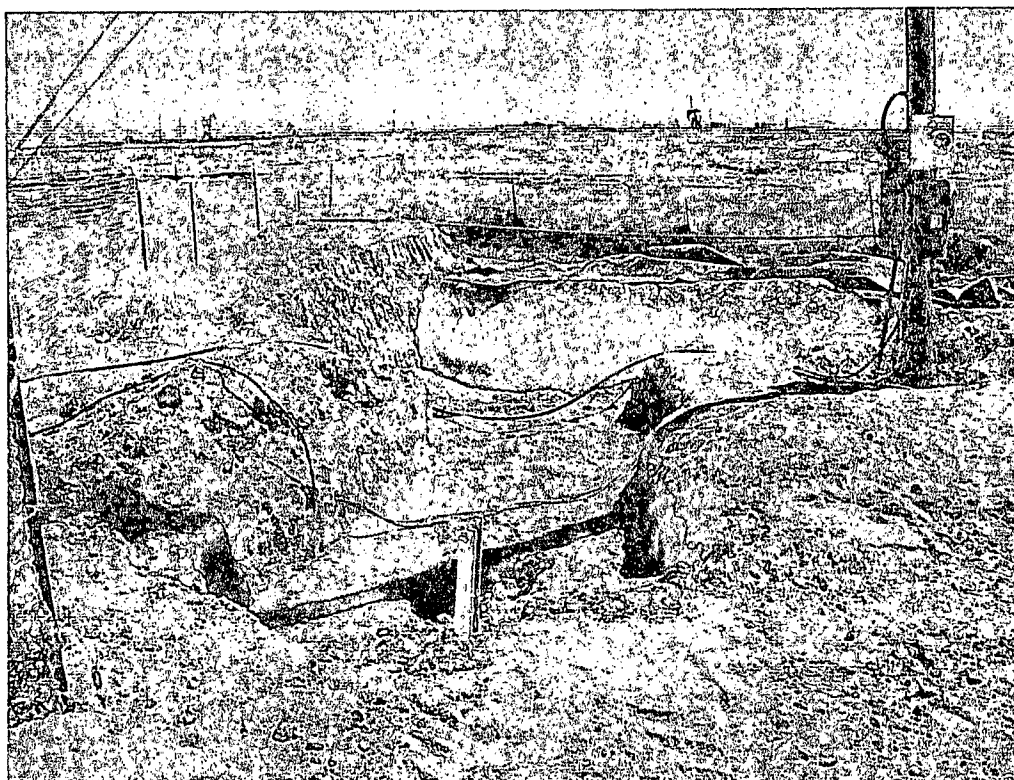


View South – Area of AH-4/SB-5

COG Operating LLC
Northwest Central Tank Battery
Eddy County, New Mexico



TETRA TECH



View South – Area of AH-5/SB-4

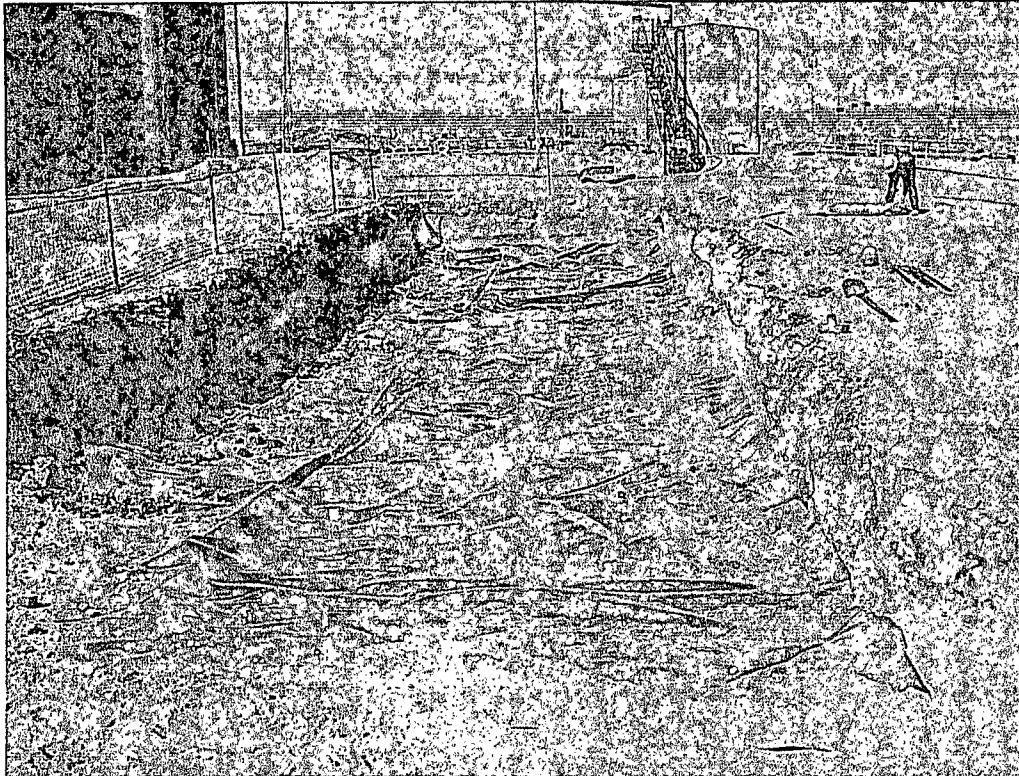


View South – Area of AH-10/SB-1

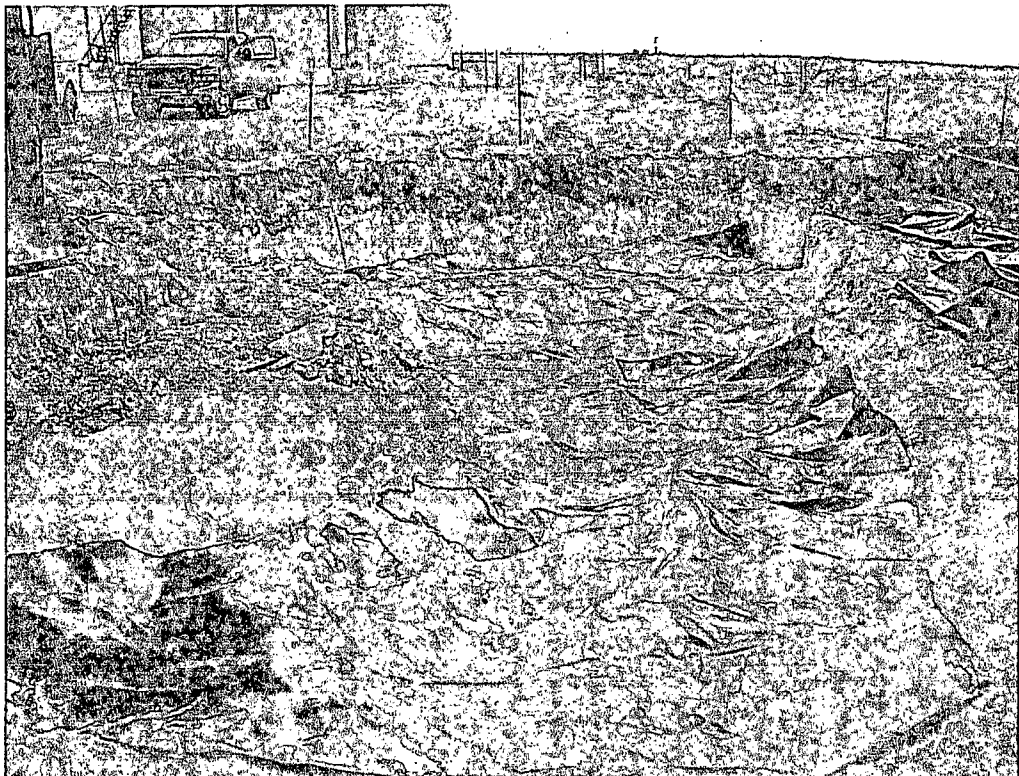
COG Operating LLC
Northwest Central Tank Battery
Eddy County, New Mexico



TETRA TECH



View North – Area of AH-2 and AH-3, Liner Installation

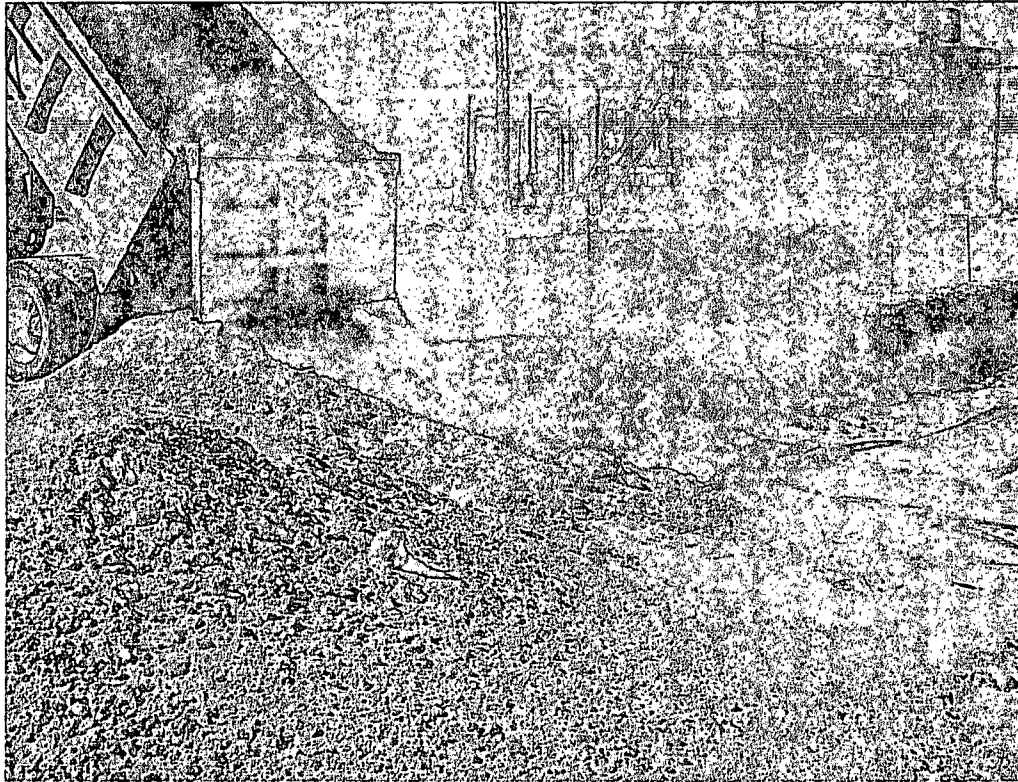


View North – Area of AH-5, Liner Installation

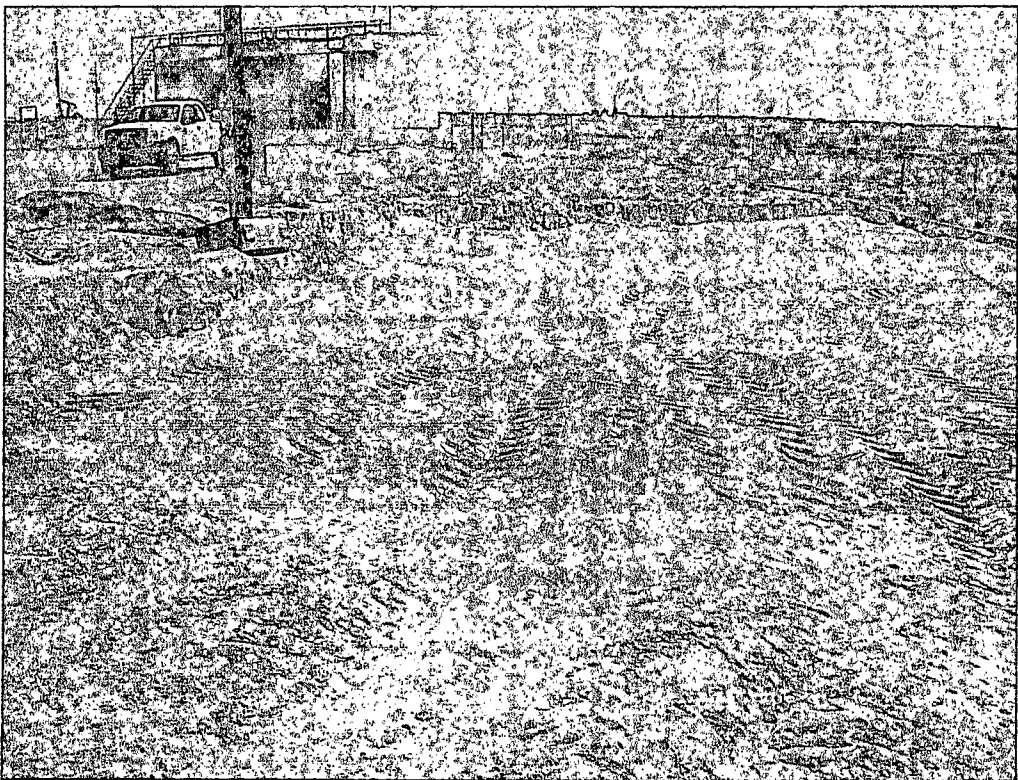
COG Operating LLC
Northwest Central Tank Battery
Eddy County, New Mexico



TETRA TECH



View West – Area of AH-3 and AH-2, Backfill

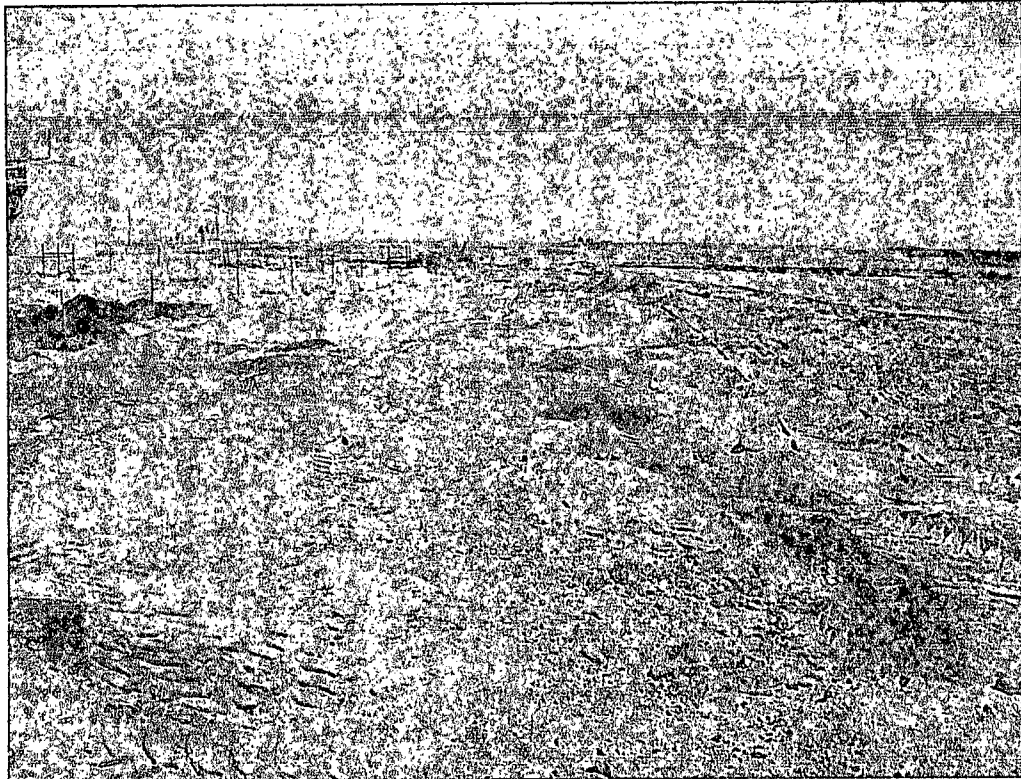


View East – Area of AH-6 and AH-5, Backfill

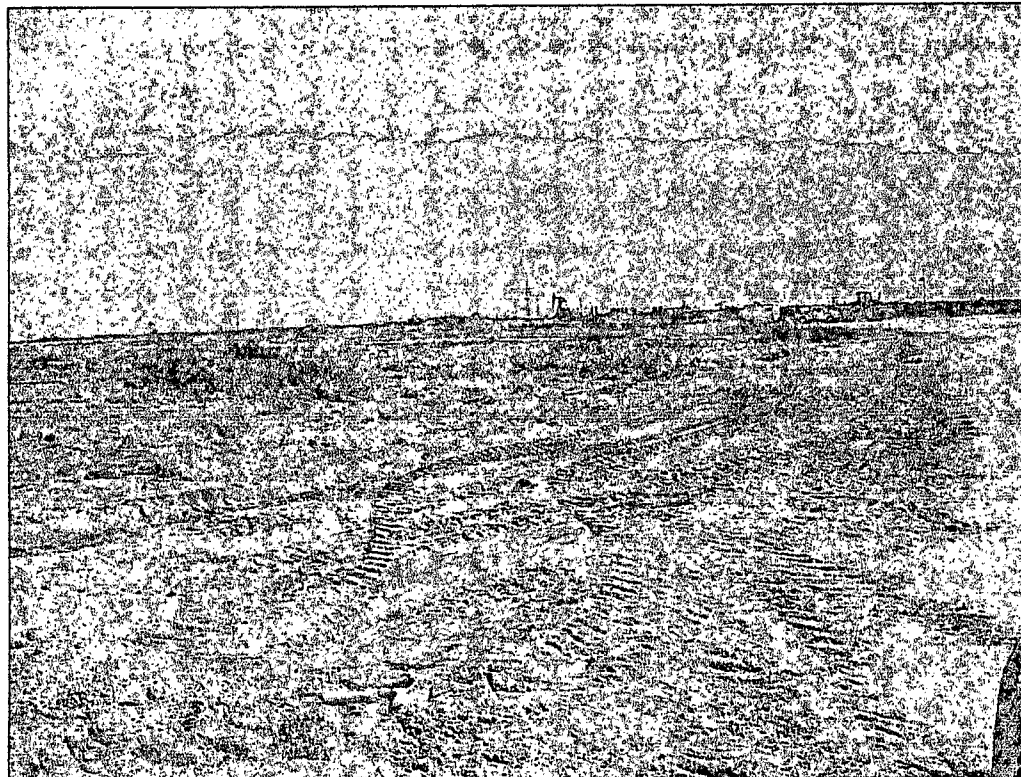
COG Operating LLC
Northwest Central Tank Battery
Eddy County, New Mexico



TETRA TECH



View East – Area of AH-7, Backfill

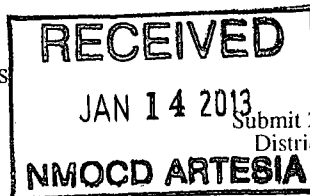


View Southeast – Area of AH-10, Backfill

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

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	COG Operating LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 1300 Midland, Texas 79701	Telephone No.	(432) 230-0077
Facility Name	Northwest Central Tank Battery	Facility Type	Tank Battery

Surface Owner:	Federal	Mineral Owner		Lease No.	NMNM-86025
----------------	---------	---------------	--	-----------	------------

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	990	South	2310	West	Eddy

Latitude N 32.83009° Longitude W 103.9954°

NATURE OF RELEASE

Type of Release: Oil	Volume of Release 15 bbls	Volume Recovered 6 bbls
Source of Release: Equalizer	Date and Hour of Occurrence 11/04/2010	Date and Hour of Discovery 11/04/2010 7:00 a.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. N/A	

If a Watercourse was Impacted, Describe Fully.*

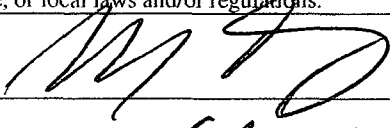
Describe Cause of Problem and Remedial Action Taken.*

The dump was stuck on a scrubber causing fluid to travel down the gas line to the second scrubber which then transferred into the drip tank causing the overflow. The dump has been repaired.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech personnel inspected the site and collected samples to define the spills extent. Soil that exceeded RRAL was removed and hauled away for proper disposal at the R260 facility. The site was then brought up to surface grade with clean backfill material. Tetra Tech prepared a closure report and submitted it to the NMOCD for review.

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: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Ike Tavarez (Agent In Charge)		Approved by District Supervisor:	
Title: Project Manager		Approval Date:	Expiration Date:
E-mail Address: Ike.Tavarez@TetraTech.com		Conditions of Approval:	
Date: 1-3-13 Phone: (432) 682-4559		Attached ☐	

* Attach Additional Sheets If Necessary

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

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	Northwest Central Tank Battery	Facility Type	Tank Battery
Surface Owner	Federal	Mineral Owner	Lease No. NMNM-86025

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	990	South	2310	West	Eddy

Latitude 32 49.813 Longitude 103 59.725

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	15bbls	Volume Recovered	6bbls
Source of Release	Drip tank	Date and Hour of Occurrence	11/04/2010	Date and Hour of Discovery	11/04/2010 7:00 a.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.*

Describe Cause of Problem and Remedial Action Taken.*

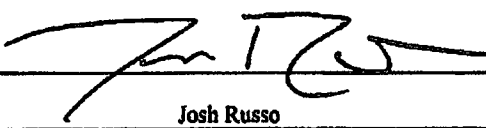
The dump was stuck on a scrubber causing fluid to travel down the gas line to the second scrubber which then transferred into the drip tank causing the overflow. The dump has been repaired.

Describe Area Affected and Cleanup Action Taken.*

Initially 15bbls was released from the drip tank and we were able to recover 6bbls with a vacuum truck. The dimensions of the spill area are as follows: 15' x 15' area in front of the of the drip tank, 1' trail from drip tank across pad leading to 15' x 20' area near cattle guard. (The closest well location to the release is on the same pad as the Tank Battery, McIntyre DK Federal #6, API# 30-015-20972). 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 NMOCD/BLM for approval prior to any significant remediation work.

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.

OIL CONSERVATION DIVISION

Signature:			
Printed Name:	Josh Russo	Approved by District Supervisor:	
Title:	HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address:	jrusso@conchoresources.com	Conditions of Approval:	
Date:	11/16/2010	Phone:	432-212-2399
			Attached ☐

* 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
30	29	28	27	26	25
31	32	33	34	35	36

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

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	28	27	26	25
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: March 14, 2012

Work Order: 12030603



Project Location: Eddy Co., NM
Project Name: COG/Northwest Central TB
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
290584	CS-1 North Sidewall	soil	2012-03-01	00:00	2012-03-05
290585	CS-2 Bottom 7' (AH-2)	soil	2012-03-01	00:00	2012-03-05
290586	CS-2 East Sidewall (AH-2)	soil	2012-03-01	00:00	2012-03-05
290587	CS-2 West Sidewall (AH-2)	soil	2012-03-01	00:00	2012-03-05
290588	CS-3 Bottom 7' (AH-3)	soil	2012-03-02	00:00	2012-03-05
290589	CS-3 East Sidewall (AH-3)	soil	2012-03-02	00:00	2012-03-05
290590	CS-3 West Sidewall (AH-3)	soil	2012-03-02	00:00	2012-03-05
290591	CS-4 Bottom 5' (AH-10)	soil	2012-03-02	00:00	2012-03-05
290592	CS-4 North Sidewall (AH-10)	soil	2012-03-02	00:00	2012-03-05
290593	CS-4 East Sidewall (AH-10)	soil	2012-03-02	00:00	2012-03-05
290594	CS-4 South Sidewall (AH-10)	soil	2012-03-02	00:00	2012-03-05
290595	CS-4 West Sidewall (AH-10)	soil	2012-03-02	00:00	2012-03-05

Sample: 290584 - CS-1 North Sidewall

Param	Flag	Result	Units	RL
Chloride		705	mg/Kg	4

Sample: 290585 - CS-2 Bottom 7' (AH-2)

Param	Flag	Result	Units	RL
Chloride		950	mg/Kg	4

Sample: 290586 - CS-2 East Sidewall (AH-2)

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

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

Param	Flag	Result	Units	RL
Chloride		360	mg/Kg	4

Sample: 290587 - CS-2 West Sidewall (AH-2)

Param	Flag	Result	Units	RL
Chloride		683	mg/Kg	4

Sample: 290588 - CS-3 Bottom 7' (AH-3)

Param	Flag	Result	Units	RL
Chloride		519	mg/Kg	4

Sample: 290589 - CS-3 East Sidewall (AH-3)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290590 - CS-3 West Sidewall (AH-3)

Param	Flag	Result	Units	RL
Chloride		256	mg/Kg	4

Sample: 290591 - CS-4 Bottom 5' (AH-10)

Param	Flag	Result	Units	RL
Chloride		326	mg/Kg	4

Sample: 290592 - CS-4 North Sidewall (AH-10)

Param	Flag	Result	Units	RL
Chloride		396	mg/Kg	4

Sample: 290593 - CS-4 East Sidewall (AH-10)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290594 - CS-4 South Sidewall (AH-10)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290595 - CS-4 West Sidewall (AH-10)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

12030603

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2



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 Turner

PROJECT NO.:

114-1400742

PROJECT NAME:

COG / Northwest Central TB

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP.

GRAB

Eddy G, NM

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

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. 8240/8260/624

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

584

3/1

S

X

CS-1 North Sidewall

1

X

585

CS-2 Bottom 7' (AH-2)

586

CS-2 East Sidewall (AH-2)

587

CS-2 West Sidewall (AH-2)

588

3/2

CS-3 Bottom 7' (AH-3)

589

CS-3 East Sidewall (AH-3)

590

CS-3 West Sidewall (AH-3)

591

CS-4 Bottom 5' (AH-10)

592

CS-4 North Sidewall (AH-10)

593

CS-4 East Sidewall (AH-10)

RELINQUISHED BY: (Signature)

Date: 3/5/12

Time: 3:00 PM

RECEIVED BY: (Signature)

Date: 3/5/12

Time: 7:05

SAMPLED BY: (Print & Initial)

ST

Date: 3/2/12

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

PEDEX

BUS

AIRBILL #:

HAND DELIVERED

UPS

OTHER:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

TETRA TECH CONTACT PERSON:

Ike Turner

Results by:

RUSH Charges

Analysis Request of Chain of Custody Record

PAGE: 2 OF: 2



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:

IKI Tavaruz

PROJECT NO.:

114-6-106747

PROJECT NAME:

COG / Northwest Central TD

Eddy Co, NM

SAMPLE IDENTIFICATION

LAB I.D.
NUMBER

DATE
2012

TIME

MATRIX

COMP.

GRAB

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

ROHA 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. 8240/8260/624

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

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:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY:

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

IKI Tavaruz

RUSH Charges

Authorized:

Yes

No

Summary Report

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

Report Date: March 14, 2012

Work Order: 12030927



Project Location: Eddy Co., NM
Project Name: COG/Northwest Central TB
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
290967	CS-4 West Wall (AH-4)	soil	2012-03-05	00:00	2012-03-09
290968	CS-4 East Wall (AH-4)	soil	2012-03-05	00:00	2012-03-09
290969	CS-4 Bottom Hole 10' (AH-4)	soil	2012-03-05	00:00	2012-03-09
290970	CS-6 South Wall (SB-3)	soil	2012-03-05	00:00	2012-03-09
290971	CS-6 East Wall (SB-3)	soil	2012-03-05	00:00	2012-03-09
290972	CS-6 West Wall (SB-3)	soil	2012-03-05	00:00	2012-03-09
290973	CS-6 Bottom Hole 2' (SB-3)	soil	2012-03-05	00:00	2012-03-09

Sample: 290967 - CS-4 West Wall (AH-4)

Param	Flag	Result	Units	RL
Chloride		592	mg/Kg	4

Sample: 290968 - CS-4 East Wall (AH-4)

Param	Flag	Result	Units	RL
Chloride		858	mg/Kg	4

Sample: 290969 - CS-4 Bottom Hole 10' (AH-4)

Param	Flag	Result	Units	RL
Chloride		1210	mg/Kg	4

Sample: 290970 - CS-6 South Wall (SB-3)

Param	Flag	Result	Units	RL
Chloride		487	mg/Kg	4

Sample: 290971 - CS-6 East Wall (SB-3)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290972 - CS-6 West Wall (SB-3)

Param	Flag	Result	Units	RL
Chloride		1050	mg/Kg	4

Sample: 290973 - CS-6 Bottom Hole 2' (SB-3)

Param	Flag	Result	Units	RL
Chloride		403	mg/Kg	4

120 30927

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

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:		SITE MANAGER:		PROJECT NO.:		PROJECT NAME:		NUMBER OF CONTAINERS	PRESERVATIVE METHOD	ANALYSIS REQUEST (Circle or Specify Method No.)																
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS			BTX 8021B	TPH	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. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Rest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
290167	3/5		S		X	CS-4 West Wall (AH-4)	1																			
968	3/5					CS-4 East wall (AH-4)																				
969	3/5					CS-4 Bottom Hole 10' (AH-4)																				
970	3/5					CS-6 South wall (SB-3)																				
971	3/6					CS-6 East wall (SB-3)																				
972	3/6					CS-6 West Wall (SB-3)																				
973	3/6					CS-6 Bottom Hole 2' (SB-3)																				

RELINQUISHED BY: (Signature)	Date: 3/8/12	RECEIVED BY: (Signature)	Date: 3/4/12	SAMPLED BY: (Print & Initial)	Date: 3/4/12
RELINQUISHED BY: (Signature)	Date: 3/27/12	RECEIVED BY: (Signature)	Date: 3/27/12	SAMPLE SHIPPED BY: (Circle)	AIRBILL #:
RELINQUISHED BY: (Signature)	Date:	RECEIVED BY: (Signature)	Date:	FEDEX	BUS
RELINQUISHED BY: (Signature)	Date:	RECEIVED BY: (Signature)	Date:	HAND DELIVERED	UPS
RECEIVING LABORATORY: 5100	RECEIVED BY: (Signature)	TETRA TECH CONTACT PERSON:		Results by:	
ADDRESS: Midland	STATE: TX	ZIP:	Ike Tavares		RUSH Charges
CITY: Midland	PHONE:	DATE:	TIME:	Authorized:	
CONTACT: 800	PHONE:	DATE:	TIME:	Yes No	
SAMPLE CONDITION WHEN RECEIVED:	REMARKS:				

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

Report Date: March 26, 2012

Work Order: 12031915



Project Location: Eddy Co., NM
Project Name: COG/Northwest Central TB
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
291770	CS-5 East Wall (AH-5)	soil	2012-03-12	00:00	2012-03-19
291771	CS-5 West Wall (AH-5)	soil	2012-03-12	00:00	2012-03-19
291772	CS-5 Bottom hole 7' (AH-5)	soil	2012-03-12	00:00	2012-03-19

Sample: 291770 - CS-5 East Wall (AH-5)

Param	Flag	Result	Units	RL
Chloride		798	mg/Kg	4

Sample: 291771 - CS-5 West Wall (AH-5)

Param	Flag	Result	Units	RL
Chloride		407	mg/Kg	4

Sample: 291772 - CS-5 Bottom hole 7' (AH-5)

Param	Flag	Result	Units	RL
Chloride		1980	mg/Kg	4

#12031915

Analysis Request of Chain of Custody Record

PAGE: 1 of 1

**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 Tavares

PROJECT NO.:

114-6466742

PROJECT NAME:

COG/ Northwest Central TB
Encl 2, NALAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

STEX 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 8080/808

Pest. 808/808

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)

Date: 03-19-12

Time: 1300

RECEIVED BY: (Signature)

Date: 03-19-12

Time: 1300

SAMPLED BY: (Print & Initial)

Date: 3/19/12

Time: 0900

RELINQUISHED BY: (Signature)

Date: 03-19-12

Time: 1425

RECEIVED BY: (Signature)

Date: 3/19/12

Time: 1425

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

FEDEX

BUS

HAND DELIVERED

UPS

OTHER:

RECEIVING LABORATORY:

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: Phone: Phone: PHONE: DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

TETRA TECH CONTACT PERSON:

Results by:

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: March 24, 2011

Work Order: 11022802



Project Name: COG/McIntyre Tank Battery
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
258876	SB-1 (0-1')	Soil	2011-02-23	00:00	2011-02-25
258877	SB-1 (3')	Soil	2011-02-23	00:00	2011-02-25
258878	SB-1 (5')	Soil	2011-02-23	00:00	2011-02-25
258879	SB-1 (7')	Soil	2011-02-23	00:00	2011-02-25
258880	SB-1 (10')	Soil	2011-02-23	00:00	2011-02-25
258881	SB-1 (15')	Soil	2011-02-23	00:00	2011-02-25
258882	SB-1 (20')	Soil	2011-02-23	00:00	2011-02-25
258883	SB-2 (0-1')	Soil	2011-02-23	00:00	2011-02-25
258884	SB-2 (3')	Soil	2011-02-23	00:00	2011-02-25
258885	SB-2 (5')	Soil	2011-02-23	00:00	2011-02-25
258886	SB-2 (7')	Soil	2011-02-23	00:00	2011-02-25
258887	SB-2 (10')	Soil	2011-02-23	00:00	2011-02-25
258888	SB-2 (15')	Soil	2011-02-23	00:00	2011-02-25
258889	SB-2 (20')	Soil	2011-02-23	00:00	2011-02-25
258890	SB-2 (25')	Soil	2011-02-23	00:00	2011-02-25
258891	SB-2 (30')	Soil	2011-02-23	00:00	2011-02-25
258892	SB-2 (40')	Soil	2011-02-23	00:00	2011-02-25
258893	SB-3 (0-1') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258894	SB-3 (3') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258895	SB-3 (5') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258896	SB-3 (7') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258897	SB-3 (10') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258898	SB-3 (15') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258899	SB-3 (20') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258900	SB-3 (25') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258901	SB-3 (30') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258902	SB-3 (40') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258903	SB-4 (0-1')	Soil	2011-02-24	00:00	2011-02-25
258904	SB-4 (3')	Soil	2011-02-24	00:00	2011-02-25
258905	SB-4 (5')	Soil	2011-02-24	00:00	2011-02-25
258906	SB-4 (7')	Soil	2011-02-24	00:00	2011-02-25

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
258907	SB-4 (10')	Soil	2011-02-24	00:00	2011-02-25
258908	SB-4 (15')	Soil	2011-02-24	00:00	2011-02-25
258909	SB-4 (20')	Soil	2011-02-24	00:00	2011-02-25
258910	SB-4 (25')	Soil	2011-02-24	00:00	2011-02-25
258911	SB-4 (30')	Soil	2011-02-24	00:00	2011-02-25
258912	SB-4 (40')	Soil	2011-02-24	00:00	2011-02-25
258913	SB-5 (3')	Soil	2011-02-24	00:00	2011-02-25
258914	SB-5 (5')	Soil	2011-02-24	00:00	2011-02-25
258915	SB-5 (7')	Soil	2011-02-24	00:00	2011-02-25
258916	SB-5 (10')	Soil	2011-02-24	00:00	2011-02-25
258917	SB-5 (15')	Soil	2011-02-24	00:00	2011-02-25
258918	SB-5 (20')	Soil	2011-02-24	00:00	2011-02-25
258919	SB-5 (25')	Soil	2011-02-24	00:00	2011-02-25
258920	SB-5 (30')	Soil	2011-02-24	00:00	2011-02-25
258921	SB-5 (40')	Soil	2011-02-24	00:00	2011-02-25
258922	SB-6 (3')	Soil	2011-02-24	00:00	2011-02-25
258923	SB-6 (5')	Soil	2011-02-24	00:00	2011-02-25
258924	SB-6 (7')	Soil	2011-02-24	00:00	2011-02-25
258925	SB-6 (10')	Soil	2011-02-24	00:00	2011-02-25
258926	SB-6 (15')	Soil	2011-02-24	00:00	2011-02-25
258927	SB-6 (20')	Soil	2011-02-24	00:00	2011-02-25
258928	SB-7 (0-1')	Soil	2011-02-24	00:00	2011-02-25
258929	SB-7 (3')	Soil	2011-02-24	00:00	2011-02-25
258930	SB-7 (5')	Soil	2011-02-24	00:00	2011-02-25
258931	SB-7 (7')	Soil	2011-02-24	00:00	2011-02-25
258932	SB-7 (10')	Soil	2011-02-24	00:00	2011-02-25
258933	SB-7 (15')	Soil	2011-02-24	00:00	2011-02-25
258934	SB-7 (20')	Soil	2011-02-24	00:00	2011-02-25
258935	SB-7 (25')	Soil	2011-02-24	00:00	2011-02-25
258936	SB-7 (30')	Soil	2011-02-24	00:00	2011-02-25
258937	SB-7 (40')	Soil	2011-02-24	00:00	2011-02-25

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)
258876 - SB-1 (0-1')	<0.400	2.33	18.8	28.1	7540	1420
258877 - SB-1 (3')					6890	1490
258878 - SB-1 (5')					162	14.4
258879 - SB-1 (7')					<50.0	<2.00
258883 - SB-2 (0-1')	22.8	131	71.4	107	2790	3930
258884 - SB-2 (3')	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	7.48
258885 - SB-2 (5')	<0.0200	<0.0200	<0.0200	0.395	<50.0	19.7
258893 - SB-3 (0-1') 1' BEB	0.342	0.677	1.05	5.70	685	707
258903 - SB-4 (0-1')	7.98	120	90.3	117	6770	3630
258904 - SB-4 (3')	9.49	88.7	58.4	75.1	1260	2460
258905 - SB-4 (5')	13.8	124	83.0	104	2980	3460
258906 - SB-4 (7')	<0.100	<0.100	2.46	5.38	215	568
258907 - SB-4 (10')	<0.100	<0.100	<0.100	0.288	107	153
258908 - SB-4 (15')	<0.0400	<0.0400	<0.0400	<0.0400	105	22.5

continued ...

... continued

Sample - Field Code	BTEX				TPH DRO - NEW DRO	TPH GRO GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)		
258909 - SB-4 (20')	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
258913 - SB-5 (3')	<0.0200	0.178	<0.0200	0.388	<50.0	<2.00
258922 - SB-6 (3')	<0.0200	<0.0200	<0.0200	0.379	<50.0	<2.00
258928 - SB-7 (0-1')	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 258876 - SB-1 (0-1')

Param	Flag	Result	Units	RL
Chloride		215	mg/Kg	4.00

Sample: 258877 - SB-1 (3')

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

Sample: 258878 - SB-1 (5')

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

Sample: 258879 - SB-1 (7')

Param	Flag	Result	Units	RL
Chloride		220	mg/Kg	4.00

Sample: 258880 - SB-1 (10')

Param	Flag	Result	Units	RL
Chloride		251	mg/Kg	4.00

Sample: 258881 - SB-1 (15')

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

Sample: 258882 - SB-1 (20')

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296
 This is only a summary. Please, refer to the complete report package for quality control data.

Param	Flag	Result	Units	RL
Chloride		261	mg/Kg	4.00

Sample: 258883 - SB-2 (0-1')

Param	Flag	Result	Units	RL
Chloride		256	mg/Kg	4.00

Sample: 258884 - SB-2 (3')

Param	Flag	Result	Units	RL
Chloride		327	mg/Kg	4.00

Sample: 258885 - SB-2 (5')

Param	Flag	Result	Units	RL
Chloride		721	mg/Kg	4.00

Sample: 258886 - SB-2 (7')

Param	Flag	Result	Units	RL
Chloride		534	mg/Kg	4.00

Sample: 258887 - SB-2 (10')

Param	Flag	Result	Units	RL
Chloride		1390	mg/Kg	4.00

Sample: 258888 - SB-2 (15')

Param	Flag	Result	Units	RL
Chloride		1240	mg/Kg	4.00

Sample: 258889 - SB-2 (20')

Param	Flag	Result	Units	RL
Chloride		1630	mg/Kg	4.00

Sample: 258890 - SB-2 (25')

Param	Flag	Result	Units	RL
Chloride		249	mg/Kg	4.00

Sample: 258891 - SB-2 (30')

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

Sample: 258892 - SB-2 (40')

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

Sample: 258893 - SB-3 (0-1') 1' BEB

Param	Flag	Result	Units	RL
Chloride		539	mg/Kg	4.00

Sample: 258894 - SB-3 (3') 1' BEB

Param	Flag	Result	Units	RL
Chloride		718	mg/Kg	4.00

Sample: 258895 - SB-3 (5') 1' BEB

Param	Flag	Result	Units	RL
Chloride		310	mg/Kg	4.00

Sample: 258896 - SB-3 (7') 1' BEB

Param	Flag	Result	Units	RL
Chloride		239	mg/Kg	4.00

Sample: 258897 - SB-3 (10') 1' BEB

Param	Flag	Result	Units	RL
Chloride		1520	mg/Kg	4.00

Sample: 258898 - SB-3 (15') 1' BEB

Param	Flag	Result	Units	RL
Chloride		3980	mg/Kg	4.00

Sample: 258899 - SB-3 (20') 1' BEB

Param	Flag	Result	Units	RL
Chloride		498	mg/Kg	4.00

Sample: 258900 - SB-3 (25') 1' BEB

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

Sample: 258901 - SB-3 (30') 1' BEB

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

Sample: 258902 - SB-3 (40') 1' BEB

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

Sample: 258903 - SB-4 (0-1')

Param	Flag	Result	Units	RL
Chloride		1260	mg/Kg	4.00

Sample: 258904 - SB-4 (3')

Param	Flag	Result	Units	RL
Chloride		2230	mg/Kg	4.00

Sample: 258905 - SB-4 (5')

Param	Flag	Result	Units	RL
Chloride		2250	mg/Kg	4.00

Sample: 258906 - SB-4 (7')

Param	Flag	Result	Units	RL
Chloride		2870	mg/Kg	4.00

Sample: 258907 - SB-4 (10')

Param	Flag	Result	Units	RL
Chloride		3850	mg/Kg	4.00

Sample: 258908 - SB-4 (15')

Param	Flag	Result	Units	RL
Chloride		3450	mg/Kg	4.00

Sample: 258909 - SB-4 (20')

Param	Flag	Result	Units	RL
Chloride		1530	mg/Kg	4.00

Sample: 258910 - SB-4 (25')

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

Sample: 258911 - SB-4 (30')

Param	Flag	Result	Units	RL
Chloride		416	mg/Kg	4.00

Sample: 258912 - SB-4 (40')

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

Sample: 258913 - SB-5 (3')

Param	Flag	Result	Units	RL
Chloride		672	mg/Kg	4.00

Sample: 258914 - SB-5 (5')

Param	Flag	Result	Units	RL
Chloride		652	mg/Kg	4.00

Sample: 258915 - SB-5 (7')

Param	Flag	Result	Units	RL
Chloride		2740	mg/Kg	4.00

Sample: 258916 - SB-5 (10')

Param	Flag	Result	Units	RL
Chloride		3300	mg/Kg	4.00

Sample: 258917 - SB-5 (15')

Param	Flag	Result	Units	RL
Chloride		462	mg/Kg	4.00

Sample: 258918 - SB-5 (20')

Param	Flag	Result	Units	RL
Chloride		260	mg/Kg	4.00

Sample: 258919 - SB-5 (25')

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

Sample: 258920 - SB-5 (30')

Param	Flag	Result	Units	RL
Chloride		244	mg/Kg	4.00

Sample: 258921 - SB-5 (40')

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

Sample: 258922 - SB-6 (3')

Param	Flag	Result	Units	RL
Chloride		1420	mg/Kg	4.00

Sample: 258923 - SB-6 (5')

Param	Flag	Result	Units	RL
Chloride		1080	mg/Kg	4.00

Sample: 258924 - SB-6 (7')

Param	Flag	Result	Units	RL
Chloride		1010	mg/Kg	4.00

Sample: 258925 - SB-6 (10')

Param	Flag	Result	Units	RL
Chloride		467	mg/Kg	4.00

Sample: 258926 - SB-6 (15')

Param	Flag	Result	Units	RL
Chloride		252	mg/Kg	4.00

Sample: 258927 - SB-6 (20')

Param	Flag	Result	Units	RL
Chloride		242	mg/Kg	4.00

Sample: 258928 - SB-7 (0-1')

Param	Flag	Result	Units	RL
Chloride		793	mg/Kg	4.00

Sample: 258929 - SB-7 (3')

Param	Flag	Result	Units	RL
Chloride		1370	mg/Kg	4.00

Sample: 258930 - SB-7 (5')

Param	Flag	Result	Units	RL
Chloride		3980	mg/Kg	4.00

Sample: 258931 - SB-7 (7')

Param	Flag	Result	Units	RL
Chloride		2710	mg/Kg	4.00

Sample: 258932 - SB-7 (10')

Param	Flag	Result	Units	RL
Chloride		709	mg/Kg	4.00

Sample: 258933 - SB-7 (15')

Param	Flag	Result	Units	RL
Chloride		310	mg/Kg	4.00

Sample: 258934 - SB-7 (20')

Param	Flag	Result	Units	RL
Chloride		383	mg/Kg	4.00

Sample: 258935 - SB-7 (25')

Param	Flag	Result	Units	RL
Chloride		336	mg/Kg	4.00

Sample: 258936 - SB-7 (30')

Param	Flag	Result	Units	RL
Chloride		1900	mg/Kg	4.00

Sample: 258937 - SB-7 (40')

Param	Flag	Result	Units	RL
Chloride		1090	mg/Kg	4.00

XWO #: 11022802

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: 7

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntire Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BYEX 802TB	TPH 8015 MOD.	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol.	GC/MS Semi Vol.	PCB's 8080	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta	PLM (Asbestos)	Major Anions
25876	2/23		S	X		SB-1 (0-1')	1	N		X		X	X											X				
877						SB-1 (3')																						
878						SB-1 (5')																						
879						SB-1 (7')																						
880						SB-1 (10')																						
881						SB-1 (15')																						
882						SB-1 (20')																						
883						SB-2 (0-1')																						
884						SB-2 (3')																						
885						SB-2 (5')																						

RELINQUISHED BY: (Signature)

Date: 2-25-11

Time: 16:40

RECEIVED BY: (Signature)

Date: 2/23/11

Time: 16:40

SAMPLED BY: (Print & Initial)

Kim

Date: 2-23-11

Time: 16:40

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

TETRA TECH CONTACT PERSON:

Results by:

RUSH Charges

Authorized:

Yes

No

RECEIVING LABORATORY:

Trace

ADDRESS:

CITY:

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

2.8°C intact

REMARKS:

IF TPH > 5,000 mg/kg Run deeper samples - or - if Total BTex > 50 mg/kg

X All tests - Midland

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

2wo #: 11022802

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: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

1146400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTX 8021B	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatili	TCLP Semi	RCI	GC/MS Vol.	GC/MS Semi	PCB's 8080	Pest. 808/608	Chlordane	Gamma Spec	Alpha Beta	PLM (Asbeses)	Major Anions	
25886	2/23		S		X	SB-2 (7')	1	N		X														X					
887	(		S		(	SB-2 (10')	(	(		(														(					
888						SB-2 (15')																							
889						SB-2 (20')																							
890						SB-2 (25')																							
891						SB-2 (30')																							
892						SB-2 (40')																							
893						SB-3 (0-1') 1' BEB																							
894						SB-3 (3') 1' BEB																							
895						SB-3 (5') 1' BEB																							

RELINQUISHED BY: (Signature)

[Signature]

Date: 2-23-11

Time:

RECEIVED BY: (Signature)

[Signature]

Date: 2/23/11

Time: 16:46

SAMPLED BY: (Print & Initial)

[Signature]

Date: 2-23-11

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

[Signature]

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

HAND DELIVERED

TETRA TECH CONTACT PERSON:

Ike Tavaraz

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

[Signature]

Date:

Time:

RECEIVING LABORATORY:

Trace

ADDRESS:

CITY: Midland

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

28°C intact

REMARKS:

If TPH > 9,000 mg/kg - OR - If total BTEX > 750 mg/kg 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.

200 #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 4 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:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

McIndyre Tank Battery

LAB I.D.
NUMBER

DATE
2011

TIME

MATRIX
COMP
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTEX 80218

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 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

Chlordane

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

28906

7/24

S

X

SB-4 (7')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

907

7/24

S

X

SB-4 (10')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

908

7/24

S

X

SB-4 (15')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

909

7/24

S

X

SB-4 (20')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

910

7/24

S

X

SB-4 (25')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

911

7/24

S

X

SB-4 (30')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

912

7/24

S

X

SB-4 (40')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

913

7/24

S

X

SB-5 (3')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

914

7/24

S

X

SB-5 (5')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

915

7/24

S

X

SB-5 (7')

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

RELINQUISHED BY: (Signature)

Date: 7-25-11

RECEIVED BY: (Signature)

Date: 7-25-11

SAMPLED BY: (Print & Initial)

Date: 7-24-11

RELINQUISHED BY: (Signature)

Date: 7-25-11

RECEIVED BY: (Signature)

Date: 7-25-11

SAMPLE SHIPPED BY: (Circle)

AIRBILL #: _____

RELINQUISHED BY: (Signature)

Date: 7-25-11

RECEIVED BY: (Signature)

Date: 7-25

2 wo #: 11022802

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:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

Mintyre Tank Battery

LAB I.D.
NUMBER

DATE
2/24

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTX 8021B
TPH (8845 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. 8240/8260/624

GC/MS Semi. Vol. 8270/625

PCB's 8080/808

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)

[Signature]

Date: 2-25-11

Time:

RECEIVED BY: (Signature)

[Signature]

Date: 2/25/11

Time: 1:14

SAMPLED BY: (Print & Initial)

[Initials]

Date: 2-24-11

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS

HAND DELIVERED UPS

AIRBILL #:

OTHER:

RECEIVING LABORATORY:

ADDRESS:

CITY:

CONTACT:

Tate

Midland

STATE:

PHONE:

RECEIVED BY: (Signature)

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

2.8°C intact

REMARKS:

TPH 75000 mg/kg - OR - IF Total BTEX > 50 mg/kg 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.

XWO #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 6 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: COG

SITE MANAGER: IKE TAVAREZ

PROJECT NO.: 114-6400742

PROJECT NAME: McIntyre Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS FILTERED	PRESERVATIVE METHOD				BTX 8021	TPH 801	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semivolatiles	RCI	GC/MS Volatiles	GC/MS Semivolatiles	PCB's 8080/608	Pest. 809/608	Chloride	Gamma Spec.	Alpha Beta	PLM (Asbestos)	Major Anions/Cations, pH, TDS	
								HCL	HNO3	ICE	NONE																		
258926	2/24		S	X		SB-6 (15')	1	N		X														X					
927						SB-6 (20')																							
928						SB-7 (0-1')						XX																	
929						SB-7 (3')																							
930						SB-7 (5')																							
931						SB-7 (7')																							
932						SB-7 (10')																							
933						SB-7 (15')																							
934						SB-7 (20')																							
935						SB-7 (25')																							

RELINQUISHED BY: (Signature) [Signature]

Date: 2-25-11

RECEIVED BY: (Signature) [Signature]

Date: 2/25/11

SAMPLED BY: (Print & Initial) [Signature]

Date: 2-24-11

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY: TALL

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

IKE TAVAREZ

RUSH Charges Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

2.8c intact

If TPH > 5000 mg/kg - or - If Total BTX > 50 mg/kg 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.

2 WO #: 11022802

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: **COG** SITE MANAGER: **IKE TAVAREZ**

PROJECT NO.: **114-6401742** PROJECT NAME: **Intyre Tank Battery**

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION
-----------------	------	------	--------	------	------	-----------------------

258936	2/24		S	X		SB-7 (30')
937	2/24		S	X		SB-7 (40')

PRESERVATIVE METHOD						
NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	

1	N			X		
1	N			X		

ANALYSIS REQUEST (Circle or Specify Method No.)						
---	--	--	--	--	--	--

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) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2/25/11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

SAMPLED BY: (Print & Initial) **[Signature]** Date: **2-24-11** Time: **16:40**

SAMPLE SHIPPED BY: (Circle) **FEDEX** **HAND DELIVERED** AIRBILL #: **1640**

TETRA TECH CONTACT PERSON: **IKE TAVAREZ** Results by: **Yes** **No**

RUSH Charges Authorized: **Yes** **No**

SAMPLE CONDITION WHEN RECEIVED: **2.8°C intact**

REMARKS: **If TPH 75,000 mg/kg - Or - If TOTA: BTEX > 50 mg/kg Run deeper samples**

RECEIVING LABORATORY: **Trace**

ADDRESS: **Midland** STATE: **TX** ZIP: **79705**

CITY: **Midland** PHONE: **(432) 682-4559**

CONTACT: **Trace**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RELINQUISHED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

RECEIVED BY: (Signature) **[Signature]** Date: **2-25-11** Time: **16:40**

XWO #: 11022802

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:

COS

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D.
NUMBERDATE
2/11

TIME

MATRIX
COMP
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTX 802TB

TPH 8015 MOD

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. 8240/8260/624

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

258876

2/23

S

X

SB-1 (0-1')

1

N

X

X

X

X

877

SB-1 (3')

878

SB-1 (5')

879

SB-1 (7')

880

SB-1 (10')

881

SB-1 (15')

882

SB-1 (20')

883

SB-2 (0-1')

XX

884

SB-2 (3')

885

SB-2 (5')

RELINQUISHED BY: (Signature)

Date: 2-23-11

Time:

RECEIVED BY: (Signature)

Date: 2/25/11

Time: 16:40

SAMPLED BY: (Print & Initial)

Kim

Date: 2-23-11

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

HAND DELIVERED

TETRA TECH CONTACT PERSON:

AIRBILL #:

OTHER:

RECEIVING LABORATORY:

TRACE

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

28°C intact

REMARKS:

If TPH > 5,000 mg/kg Run deeper samples - or - if Total BTX > 50 mg/kg

X All tests - Midland

Results by:

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.

2wo #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 2 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:

COG

SITE MANAGER:

Ike Tavaréz

PROJECT NO.:

1146400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D.
NUMBERDATE
2011

TIME

MATRIX
COMP
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTX 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. 8240/8260/624

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

25886

2/23

S

X

SB-2 (7')

1

N

X

887

(

S

(

SB-2 (10')

(

(

(

888

(

(

(

SB-2 (15')

(

(

(

889

(

(

(

SB-2 (20')

(

(

(

890

(

(

(

SB-2 (25')

(

(

(

891

(

(

(

SB-2 (30')

(

(

(

892

(

(

(

SB-2 (40')

(

(

(

893

(

(

(

SB-3 (0-1') 1' BEB

(

(

(

XX

894

(

(

(

SB-3 (3') 1' BEB

(

(

(

895

(

(

(

SB-3 (5') 1' BEB

(

(

(

RELINQUISHED BY: (Signature)

Date: 2-23-11

Time: _____

RECEIVED BY: (Signature)

Date: 2/23/11

Time: 16:46

SAMPLED BY: (Print & Initial)

KLM

Date: 2-23-11

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
 TETRA TECH CONTACT PERSON:

OTHER: _____

RECEIVING LABORATORY:

Trace

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: _____

ZIP: _____

CONTACT:

PHONE: _____

DATE: _____

TIME: _____

SAMPLE CONDITION WHEN RECEIVED:

28°C intact

REMARKS:

IF TPH 75.000 mg/kg - OR - IF total BTEX 750 mg/kg 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.

X WO #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 3 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:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

M^cIntyre Tank Battery

LAB I.D.
NUMBER

DATE
2011

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

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. 8240/8260/624

GC/MS Semi. Vol. 8270/625

PCB's 8080/608

Pest. 809/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)

Date:

2-23-11

RECEIVED BY: (Signature)

Date:

2/23/11

SAMPLED BY: (Print & Initial)

2-23-11

Date:

2-24-11

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

RECEIVED BY: (Signature)

Date:

FEDEX

BUS

OTHER:

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

RECEIVED BY: (Signature)

TETRA TECH CONTACT PERSON:

Ike Tavaraz

Results by:

RUSH Charges

Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

2.8°C intact

IF TPH 75.000 mg/kg - OR - IF Total BTEX 750 mg/kg 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.

200 #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 4 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:

COG

SITE MANAGER:

Ike Tavaréz

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y)	HCL	HNO3	ICE	NONE	BTEX 8021B TPH 8015	PAH 8270	RCRA Metal	TCLP Metal	TCLP Volatili	TCLP Semi	RCI	GC/MS Vol. 1	GC/MS Sem	PCB's 8080/	Pest. 808/60	Chloride	Gamma Spe	Alpha Beta	PLM /Asbes	Major Anion
28906	2/24		S	X		SB-4 (7')	1	X		X		XX												X			
907						SB-4 (10')						XX															
908						SB-4 (15')						XX															
909						SB-4 (20')						XX															
910						SB-4 (25')																					
911						SB-4 (30')																					
912						SB-4 (40')																					
913						SB-5 (3')																					
914						SB-5 (5')																					
915						SB-5 (7')																					

RELINQUISHED BY: (Signature)

Date: 2-25-11

Time: 16:46

RECEIVED BY: (Signature)

Date: 2-25-11

Time: 16:46

SAMPLED BY: (Print & Initial)

Date: 2-24-11

Time: 16:46

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
 HAND DELIVERED
 BUS
 UPS

OTHER: _____

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: _____

ZIP: _____

CONTACT:

PHONE: _____

RECEIVED BY: (Signature)

DATE: _____

TIME: BTEX

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

2.8°C intact

IF TPH 75,000 mg/kg - OR - IF TOLUENE BTEX 750 mg/kg Run deeper samples

TETRA TECH CONTACT PERSON:

Results by:

Ike Tavaréz

RUSH Charges

Authorized:

Yes No

Two #. 11022802

Analysis Request of Chain of Custody Record

PAGE: 5 UF: 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:

COG

SITE MANAGER:

Ike Tararez

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF	FILTERED	HCL	HNO3	ICE	NONE	BTX MOD. (Ext. to C35)	TPH (8845 MOD. (Ext. to C35))	PAH 8270	HCRA 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	
28916	2/24		S	X		SB-5 (10')	1	N			X															X				
917						SB-5 (15')																								
918						SB-5 (20')																								
919						SB-5 (25')																								
920						SB-5 (30')																								
921						SB-5 (40')																								
922						SB-6 (3')																								
923						SB-6 (5')																								
924						SB-6 (7')																								
925						SB-6 (10')																								

RELINQUISHED BY: (Signature)

[Signature]

Date: 2-25-11

Time: 16:46

RECEIVED BY: (Signature)

[Signature]

Date: 2/25/11

Time: 16:46

SAMPLED BY: (Print & Initial)

[Initials]

Date: 2-24-11

Time: 16:46

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:

Ike Tararez

Results by:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: _____

ZIP: _____

CONTACT: _____

PHONE: _____

DATE: _____

TIME: _____

SAMPLE CONDITION WHEN RECEIVED:

2.8°C intact

REMARKS:

IF TPH 75.00 mg/kg - OR - IF Total BTEX 750 mg/kg Run deeper samples

XWO #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 6 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:

COG

SITE MANAGER:

IKE TAVAREZ

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D.
NUMBERDATE
2011

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

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. 8240/8260/624

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

RELINQUISHED BY: (Signature)

Date: 2-25-11

RECEIVED BY: (Signature)

Date: 2/25/11

SAMPLED BY: (Print & Initial)

Date: 2-24-11

RELINQUISHED BY: (Signature)

Date: _____

RECEIVED BY: (Signature)

Date: _____

SAMPLE SHIPPED BY: (Circle)

AIRBILL #: _____

RELINQUISHED BY: (Signature)

Date: _____

RECEIVED BY: (Signature)

Date: _____

TETRA TECH CONTACT PERSON:

OTHER: _____

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: _____

ZIP: _____

CONTACT: _____

PHONE: _____

DATE: _____

TIME: _____

RECEIVED BY: (Signature)

IKE

TAVAREZ

Results by:

RUSH Charges

Authorized:

Yes No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

2.5c intact

If TPH > 5,000 mg/kg - OR - If Total BTEX > 50 mg/kg 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 Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: December 30, 2010

Work Order: 10121328



Project Location: Eddy Co., NM
Project Name: COG/North West Central TB
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253253	AH-1 0-1'	soil	2010-12-07	00:00	2010-12-10
253254	AH-1 1-1.5'	soil	2010-12-07	00:00	2010-12-10
253255	AH-1 2-2.5'	soil	2010-12-07	00:00	2010-12-10
253256	AH-1 3-3.5'	soil	2010-12-07	00:00	2010-12-10
253257	AH-2 0-1'	soil	2010-12-07	00:00	2010-12-10
253258	AH-2 1-1.5'	soil	2010-12-07	00:00	2010-12-10
253259	AH-2 2-2.5'	soil	2010-12-07	00:00	2010-12-10
253260	AH-3 0-1' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253261	AH-3 1-1.5' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253262	AH-4 0-1' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253263	AH-4 1-1.5' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253264	AH-5 0-1'	soil	2010-12-07	00:00	2010-12-10
253265	AH-5 1-1.5'	soil	2010-12-07	00:00	2010-12-10
253266	AH-5 2-2.5'	soil	2010-12-07	00:00	2010-12-10
253267	AH-5 3-3.5'	soil	2010-12-07	00:00	2010-12-10
253268	AH-5 4-4.5'	soil	2010-12-07	00:00	2010-12-10
253269	AH-6 0-1'	soil	2010-12-08	00:00	2010-12-10
253270	AH-6 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253271	AH-7 0-1'	soil	2010-12-08	00:00	2010-12-10
253272	AH-7 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253273	AH-7 2-2.5'	soil	2010-12-08	00:00	2010-12-10
253274	AH-8 0-1'	soil	2010-12-08	00:00	2010-12-10
253275	AH-8 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253276	AH-8 2-2.5'	soil	2010-12-08	00:00	2010-12-10
253277	AH-8 3-3.5'	soil	2010-12-08	00:00	2010-12-10
253278	AH-8 4-4.5'	soil	2010-12-08	00:00	2010-12-10
253279	AH-9 0-1'	soil	2010-12-08	00:00	2010-12-10
253280	AH-9 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253281	AH-10 0-1'	soil	2010-12-08	00:00	2010-12-10
253282	AH-10 1-1.5'	soil	2010-12-08	00:00	2010-12-10

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253283	AH-11 0-1'	soil	2010-12-08	00:00	2010-12-10
253284	AH-11 1-1.5'	soil	2010-12-08	00:00	2010-12-10

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)
253253 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	5.98
253257 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	2.76
253260 - AH-3 0-1' 1'BEB					<50.0	<2.00
253262 - AH-4 0-1' 1'BEB					190	<2.00
253264 - AH-5 0-1'	23.1	146	86.0	114	18400	3190
253265 - AH-5 1-1.5'	44.1	263	120	138	2430	4080
253266 - AH-5 2-2.5'	23.0	156	92.7	111	1350	3280
253267 - AH-5 3-3.5'	22.2	<0.200	120	119	1670	2120
253268 - AH-5 4-4.5'	<0.100	0.467	0.508	1.08	<50.0	45.4
253269 - AH-6 0-1'	59.8	224	134	199	6780	6400
253270 - AH-6 1-1.5'	10.5	<0.0200	<0.0200	44.1	384	1540
253271 - AH-7 0-1'	29.9	143	87.8	132	7470	4430
253272 - AH-7 1-1.5'	0.0896	0.225	0.215	0.406	<50.0	46.9
253273 - AH-7 2-2.5'	<0.0200	0.0766	0.182	0.574	135	64.0
253274 - AH-8 0-1'	<0.0200	0.230	0.995	2.21	582	213
253279 - AH-9 0-1'					<50.0	<2.00
253281 - AH-10 0-1'	<1.00	46.7	94.0	133	7690	3340
253282 - AH-10 1-1.5'	<0.100	7.40	31.4	43.0	2940	796
253283 - AH-11 0-1'					<50.0	<2.00

Sample: 253253 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		298	mg/Kg	4.00

Sample: 253254 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		328	mg/Kg	4.00

Sample: 253255 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		353	mg/Kg	4.00

Sample: 253256 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		616	mg/Kg	4.00

Sample: 253257 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		532	mg/Kg	4.00

Sample: 253258 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1280	mg/Kg	4.00

Sample: 253259 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		2790	mg/Kg	4.00

Sample: 253260 - AH-3 0-1' 1'BEB

Param	Flag	Result	Units	RL
Chloride		406	mg/Kg	4.00

Sample: 253261 - AH-3 1-1.5' 1'BEB

Param	Flag	Result	Units	RL
Chloride		851	mg/Kg	4.00

Sample: 253262 - AH-4 0-1' 1'BEB

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

Sample: 253263 - AH-4 1-1.5' 1'BEB

Param	Flag	Result	Units	RL
Chloride		416	mg/Kg	4.00

Sample: 253264 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		911	mg/Kg	4.00

Sample: 253265 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1380	mg/Kg	4.00

Sample: 253266 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		1510	mg/Kg	4.00

Sample: 253267 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		2120	mg/Kg	4.00

Sample: 253268 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		3250	mg/Kg	4.00

Sample: 253269 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		494	mg/Kg	4.00

Sample: 253270 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		235	mg/Kg	4.00

Sample: 253271 - AH-7 0-1'

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

Sample: 253272 - AH-7 1-1.5'

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

Sample: 253273 - AH-7 2-2.5'

Param	Flag	Result	Units	RL
Chloride		1110	mg/Kg	4.00

Sample: 253274 - AH-8 0-1'

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

Sample: 253275 - AH-8 1-1.5'

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

Sample: 253276 - AH-8 2-2.5'

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

Sample: 253277 - AH-8 3-3.5'

Param	Flag	Result	Units	RL
Chloride		200	mg/Kg	4.00

Sample: 253278 - AH-8 4-4.5'

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

Sample: 253279 - AH-9 0-1'

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

Sample: 253280 - AH-9 1-1.5'

Param	Flag	Result	Units	RL
Chloride		381	mg/Kg	4.00

Sample: 253281 - AH-10 0-1'

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

Sample: 253282 - AH-10 1-1.5'

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

Sample: 253283 - AH-11 0-1'

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

Sample: 253284 - AH-11 1-1.5'

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

xwo #: 10121328

Analysis Request of Chain of Custody Record

PAGE: 2 OF 4

**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:

SITE MANAGER:

PROJECT NO.:

PROJECT NAME:

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 MOB, 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. 8240/8280/824

GC/MS Semi. Vol. 8270/925

PCB's 8080/808

Pest. 809/808

Chlorides

Gamma Spec.

Alpha Beta (A/B)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

253263

12/7

5

X

AH-4

1-1.5' 1' BEB

1

X

264

AH-5

0-1'

265

AH-5

1-1.5'

266

AH-5

2-2.5'

267

AH-5

3-3.5'

268

AH-5

4-4.5'

269

12/8

AH-6

0-1'

270

AH-6

1-1.5'

271

AH-7

0-1'

272

AH-7

1-1.5'

200#: 10121328

Analysis Request of Chain of Custody Record

PAGE: 3 Or. 4

**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:

SITE MANAGER:

PROJECT NO.:

PROJECT NAME:

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP.

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTX 8021B

CPR BT15 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 8080/808

Pest. 808/808

Chlorides

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

253273

2010

12/8

5

X

AH-7

2'-2.5'

1

X

274

AH-7

3'-3.5'

275

AH-8

0-1'

276

AH-8

1'-1.5'

277

AH-8

2'-2.5'

278

AH-8

3'-3.5'

279

AH-9

0-1'

280

AH-9

1'-1.5'

281

AH-10

0-1'

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:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

RECEIVED BY: (Signature)

ADDRESS:

CITY:

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

3.6°C intact

FEDEX BUS
HAND DELIVERED UPSTETRA TECH CONTACT PERSON:
Ike Tovar 2

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.

XWO#: 10121328

Analysis Request of Chain of Custody Record

PAGE: 4 of 4

**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:

SITE MANAGER:

PROJECT NO.:

PROJECT NAME:

NUMBER OF CONTAINERS

PRESERVATIVE METHOD

LAB I.D. NUMBER

DATE

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

BTX 8021B

8015 MOD TX1005 (Ext. to C36)

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 8080/808

Pest. 808/808

Chlorides

Gamma Spec.

Alpha Beta (Al)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

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)

FEDEX

BUS

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY:

STATE:

ZIP:

CONTACT:

PHONE:

RECEIVED BY: (Signature)

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

3.6 Contact

Ike
Tavarez
 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.