FORT WINGATE DEPOT ACTIVITY
McKINLEY COUNTY, NEW MEXICO

PARCEL 25
ABOVE GROUND STORAGE TANK SITE

Prepared for:

FORT WINGATE DEPOT ACTIVITY

Prepared by:

U.S. ARMY CORPS OF ENGINEERS
FORT WORTH DISTRICT

December 4, 2008

DEPARTMENT OF THE ARMY
FORT WINGATE DEPOT ACTIVITY
P.O. BOX 268
FORT WINGATE, NM 87316

December 4, 2008

Mr. James P. Bearzi
Chief, Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

RE: Class 1 Permit Modification request to remove Parcel 25 from the RCRA Permit - Addendum

Dear Mr. Bearzi:

The purpose of this letter report is to address the NMED and stakeholder comments raised in the November 5, 2008 BRAC Cleanup Team meeting concerning a potential past release of sulfuric acid from the above ground tank located in the northeast part of parcel 25. The above ground tank is owned by Western Gas Processors (also known as Anadarko) which leased the land around the tank from the railroad. At one time the tank contained sulfuric acid to support mining operations but now it is used seasonally to store de-icing material by a contractor to the New Mexico Highway Department. Information on the de-icing material was provided on the compact disc submitted July 31, 2008. Please reference our letter dated September 23, 2008 regarding the Class 1 Permit Modification request.

The NMED requested two samples to be taken around the tank and one at the closest drainage path leading out of the fenced area of the tank. Samples were requested to be tested for pH, chloride, and sulfate to determine potential releases of sulfuric acid or de-icing material. The purpose of the sampling is based on a stakeholder comment on seeing chunks of crystalline material near the tank.

An Army engineer and technician inspected the site and obtained soil samples on November 13, 2008. The personnel observed two obvious low spots near the tank where potential leaks would settle and a drainage path leading from the two spots northward under the fence. A discrete sample was taken from the drainage path (001) and each low spot (samples 2500ASTSS-002-SO and 003) and tested for pH, total chloride, and total sulfate using EPA SW846 methods. During the site inspection a few yellow chunks, appearing to be sulfur, were observed near the railroad tracks. A fourth sample was taken as a qualitative background sample for comparison. This sample was obtained adjacent to the fence on the east side of the main entry road. The test results, site photos, maps, field notes, Corps laboratory report, and Anadarko (a.k.a. Western Gas Processors) results are located on the enclosed compact disc. Under a State permit, Anadarko routinely cleans up and tests the yellow chunks and results indicate they are sulfur. Trace metals are also analyzed by Anadarko. Results from samples taken in June 2006 and July 2008 are located on the compact disc. The sulfur comes from residues on rail tank cars.

Test results from the tank area soil samples (samples 001, 002, and 003) indicate the pH levels are non-hazardous and have levels similar to the "background" sample (004). The pH levels indicate sulfuric acid has not been released at the site. Test results for all samples are found in

Table 1 located on the compact disc. Chloride was found in samples 002 and 003 and may present due to the use of the magnesium chloride de-icer at the site. Information on the de-icing material is also on the enclosed compact disc. Sulfate was detected in samples 001, 002, and 003. Sample 002 contained sulfate at 8,500 mg/kg well above the non-detect reporting limit of 10.2 mg/kg at the "background" site. It is the Army's opinion this high level is due to the elemental sulfur originating from the rail cars. Anadarko test results show the sulfur routinely removed from the site is at 99% concentration. Trace metal results from the sulfur indicate levels well below cleanup standards. Based on the test data, the Army concludes there are no unusual levels of pH at the site indicating a release of sulfuric acid. The Army concludes chloride found at the site originates from the de-icing material and sulfate from the elemental sulfur from the rail cars. Both compounds do not have a regulatory level in soil. The Army recommends no further action at this site or elsewhere in Parcel 25.

The Army is requesting a Class 1 RCRA Permit modification without prior notification to the Ft. Wingate Depot Activity (FWDA) RCRA Permit EPA ID No. NM6213820974 (Permit). The requested modification is to remove Parcel 25 from the Permit based on the information in this letter, the September 23, 2008 letter, and on comment 2 of NMED's Approval letter for the RCRA Facility Investigation Work Plan, Parcels 12, 14, and 25 dated August 7, 2008. In comment 2 the NMED states: "...Therefore, no further characterization is necessary at Parcel 25 and the Permittee may proceed with submittal of a Class 1 Permit Modification request to remove Parcel 25 from the RCRA Permit." If you have questions or require further information, please call me at (330) 358-7312.

Sincerely,

Mark Patterson

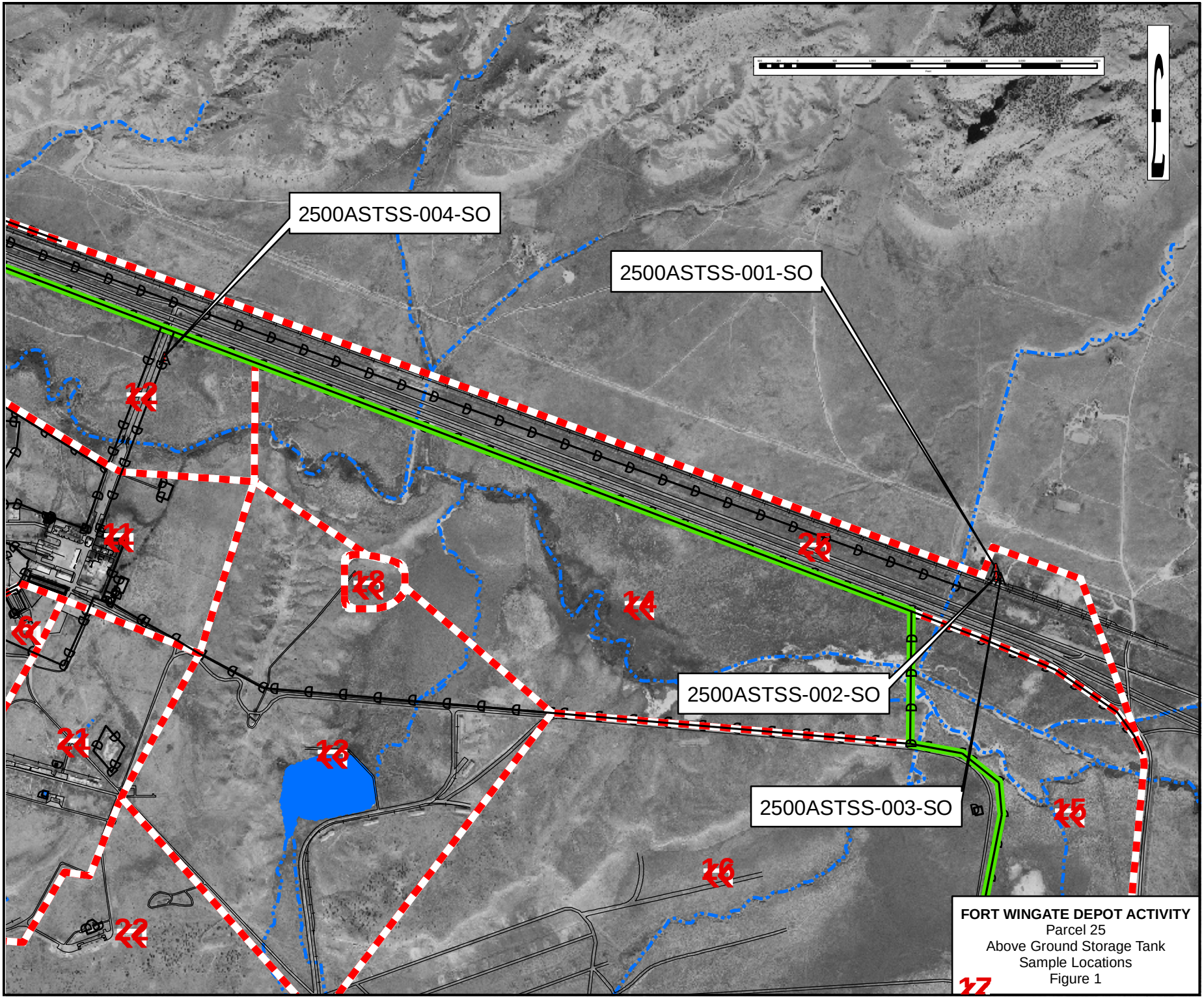
Mark Patterson
BRAC Environmental Coordinator

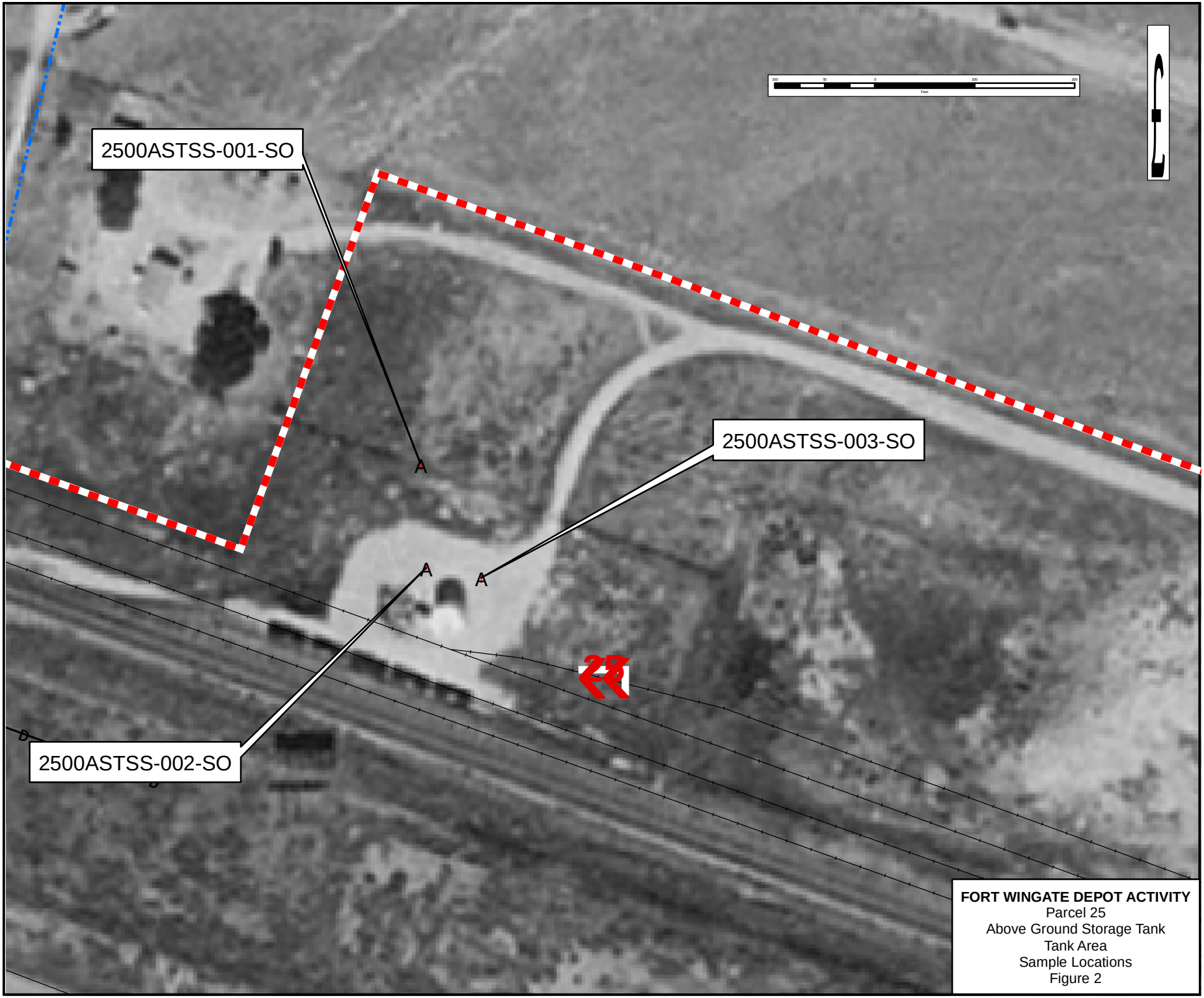
Enclosure

CF:	MEDIA
Dave Cobrain, NMED, HWB	2 hard copies, 2 CDs included with Bearzi
Tammy Diaz, NMED, HWB	See above
Richard Cruz, Fort Wingate	2 hard copies, 2 CDs
Mark Patterson, Fort Wingate	1 hard copy, 1 CD
Chuck Hendrickson, U.S. EPA Region 6	1 CD
Sharlene Begay-Platero, Navajo Nation	1 hard copy, 7 CDs
Eugenia Quintana, Navajo EPA	1 CD
Rose Duwyenie, Navajo BIA	1 hard copy, 2 CDs
Steve Beran, Zuni Environmental	1 CD
Edward Wemytewa, Pueblo of Zuni	1 hard copy, 8 CDs
Valerie Lahalla, Pueblo of Zuni	Included with Edward Wemytewa
Clayton Seoutewa, SW BIA	1 hard copy, 1 CD
Charles Long, Navajo Council	1 hard copy
Ben Burshia, BIA	1 CD
Ron Walker, BIA	1 CD
Bill O'Donnell, ACSIM	1 CD
Ira May, USAEC	1 CD

Fort Wingate Army Depot
Parcel 25 Above Ground Storage Tank Soil Test Results
Table 1

Project	Site	Field ID	Method	Analyte	Result	Units	Qualifier	Dilution Factor	Reporting Limit	Matrix	CAS Number	Sample Date	Received Date	Prep_Date	Analysis Date	Lab ID
Fort Wingate	P25 Tank Site	2500ASTSS-001-SO	SW9045C	pH	8.02	pH Units		1	0	Soil	pH	13-Nov-2008	14-Nov-2008	17-Nov-2008	17-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-001-SO	SW9056	Chloride	ND	mg/Kg		1	5.14	Soil	16887-00-6	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-001-SO	SW9056	Sulfate	10.7	mg/Kg		1	10.3	Soil	14808-79-8	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-002-SO	SW9045C	pH	7.19	pH Units		1	0	Soil	pH	13-Nov-2008	14-Nov-2008	17-Nov-2008	17-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-002-SO	SW9056	Chloride	11.8	mg/Kg		1	5.45	Soil	16887-00-6	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-002-SO	SW9056	Sulfate	8500	mg/Kg		20	218	Soil	14808-79-8	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-003-SO	SW9045C	pH	7.73	pH Units		1	0	Soil	pH	13-Nov-2008	14-Nov-2008	17-Nov-2008	17-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-003-SO	SW9056	Chloride	30.9	mg/Kg		1	5.36	Soil	16887-00-6	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-003-SO	SW9056	Sulfate	31.9	mg/Kg		1	10.7	Soil	14808-79-8	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-004-SO	SW9045C	pH	7.83	pH Units		1	0	Soil	pH	13-Nov-2008	14-Nov-2008	17-Nov-2008	17-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-004-SO	SW9056	Chloride	ND	mg/Kg		1	5.10	Soil	16887-00-6	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL
Fort Wingate	P25 Tank Site	2500ASTSS-004-SO	SW9056	Sulfate	ND	mg/Kg		1	10.2	Soil	14808-79-8	13-Nov-2008	14-Nov-2008	17-Nov-2008	18-Nov-2008	DHL


2500ASTSS-004-SO
2500ASTSS-001-SO
2500ASTSS-002-SO
2500ASTSS-003-SO
12
11
13
14
25
21
13
22
16
15
17
FORT WINGATE DEPOT ACTIVITY
Parcel 25
Above Ground Storage Tank
Sample Locations
Figure 1


2500ASTSS-001-SO
2500ASTSS-003-SO
2500ASTSS-002-SO
FORT WINGATE DEPOT ACTIVITY
Parcel 25
Above Ground Storage Tank
Tank Area
Sample Locations
Figure 2

Location of 2500ASTSS-001-SO. View looking North.

Location of 2500ASTSS-003-SO. 2500ASTSS-002-SO in background.

De-Icing Material
Material Safety Data Sheets

Road Saver®

Dust Control and Road Stabilization

Product Description

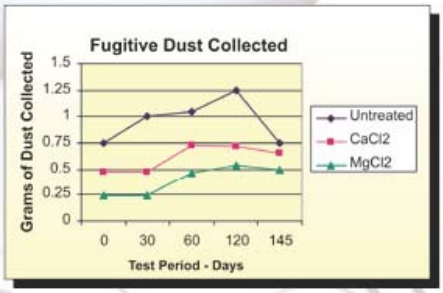
RoadSaver is a high purity grade of magnesium chloride ($MgCl_2$) used as a dust control and soil stabilization agent. Magnesium chloride is a hygroscopic compound that attracts moisture from the air and resists evaporation. RoadSaver binds fine dust and aggregate to keep surfaces stable and dust free.

Uses or Application

As a dust control agent, the recommended application rate is 0.3 - 0.5 gallons per square yard. When continually using RoadSaver as a dust control product the application rates can tend to decrease from the 0.5 to the 0.3 rate depending on weather and traffic. Continual use will help reduce road base loss. As a soil stabilizer, using a 2-3" blade mix process, it is recommended to apply a total of 0.4 - 0.5 gallons per square yard. According to the Colorado State University Study on the Relative Effectiveness of Road Dust Suppressants, magnesium chloride out performed calcium chloride, in terms of dust control throughout a 145 day test period. (See graph below)

Performance and Diagrams

Magnesium chloride ($MgCl_2$), calcium chloride ($CaCl_2$), and lignosulfonates are the dominant dust control and road stabilization products in North America. These products provide excellent performance depending on the environmental challenge being faced. Such factors as temperature, humidity level, precipitation, and especially soil/aggregate type/ gradation will impact the success or failure of one product verses another.



The Transportation Association of Canada (TAC), in its Guidelines for Cost Effective Use and Application of Dust Palliatives suggests that "calcium chloride loses its hygroscopicity (ability to absorb moisture from the air) as relative humidity decreases. Calcium chloride should be used with caution if long dry spells are anticipated or low humidity exists." They found that "magnesium chloride, while also hygroscopic, remains so at much higher temperatures and lower relative humidity than calcium chloride and therefore may be more suitable to dry climates." They also state that magnesium chloride is "less corrosive than calcium chloride."

Features	Benefits
Dust suppression	• Keeps fines on road • Better public relations • Cleaner air • Reduces dust to PM10 standard
Improved road quality	• Fewer pot holes • Less washboarding • Ensure public safety
Road stabilization	• Less loss of road base • Reduces road maintenance • More value for the dollar

People Helping People Improve Their Environment

Dust Control

Typical Analysis

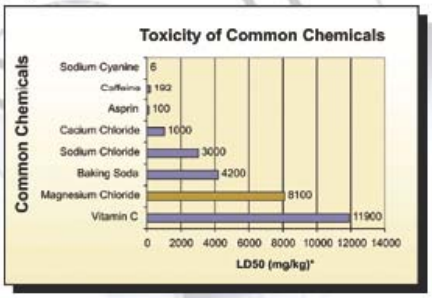
Magnesium Chloride 30%
10.85 gallons
pH - 6.0 - 7.5 in a 5% solution

Road Preparation

By properly preparing the road for application, dust control or soil stabilization projects could last 2 to 3 times longer. Spending a little additional time and effort on the front end will eliminate unnecessary re-applications that would be required otherwise. Recommended techniques include blading the surface, eliminating potholes and washboarding, placing the right crown in the roadway and pre-wetting the application area.

Health, Toxicity & Environmental

RoadSaver is the least harmful of common dust suppressants to vegetation and groundwater according to independent studies conducted by the US Department of Agriculture. It is non-irritating and safer to handle and won't cause burning or stinging associated with some of the other dust control products. RoadSaver is free of toxic metals and substances, is used as an ice control agent, and also as a fertilizer for crops such as turf and small grains.



LD50 is the amount of substance, in mg per kg of body weight, expected to kill 50% of the test animals in a controlled study. The larger the LD50 number, the lower the toxicity and safer the substance.

Testimonials

"EnviroTech's product is always within the guidelines set in the contract."

Jake B. Mall
Garfield County Colorado, Road and Bridge Department

"We have used everything from tree sap to calcium chloride to waste oil. To date, magnesium chloride (Roadsaver) is the best thing we've used."

William J. Hoffbeck
City of Lakeville, MN

ROAD SAVER®

Distributed By:

People Helping People Improve Their Environment

Desert Mountain Corporation

RS2005

P.O. Box 1633 • Kirtland, NM 87417 • (t) 1/505-598-5730 • (f) 1/505-598-0436 • www.desertmtncorp.com

MATERIAL SAFETY DATA SHEET

SECTION I: MATERIAL IDENTIFICATION

Product Name:	**RoadSaver® Dust Suppressant**	
Chemical Name:	*Magnesium Chloride Solution*	
Manufacturers:	*U. S. Magnesium* *238 North 2200 West* *Salt Lake City, UT 84116-2921*	*(801) 532-2043*
	Intrepid Potash – Wendover, LLC *P.O. Box 580* *Wendover, UT 84083*	*(435) 665-2241*
Distributed by:	*EnviroTech Services, Inc.* *1140 38th Avenue, Suite 1* *Greeley, CO 80634*	*(970) 346-3900*
Date Prepared:	April 10, 2002	Updated: *May 7, 2006*

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components: *None*

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	*225°F*	Specific Gravity:	*1.24 – 1.34*
Vapor Pressure:	*N/A*	Melting Point:	*N/A*
Vapor Density:	*N/A*	Evaporation Rate:	*Not Determined*
Solubility in Water:	*100%*	pH:	*5.0 – 8.0 as shipped*
Freeze Point:	-10° F		

Appearance and Odor: *Liquid, Clear to Slight Yellow, Very Low or No Odor*

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flammable Limits:	*N/A Not Flammable*
LEL:	*N/A*
UEL:	*N/A*
Extinguishing Media:	*None, non-flammable*
Flash Point:	*None*
Special Fire Fighting Procedures:	*None*
Unusual Fire and Explosion Hazards:	*None*

NFPA Classification: *Health = 0* *Flammability = 0* *Reactivity = 0*

SECTION V: REACTIVITY DATA

Stability: *Stable*
Incompatibilities: *Strong oxidizers, concentrated acids (i.e. nitric acid)*
Hazardous Decomposition: *Hydrogen chloride, halogenated compounds. Thermal decomposition above temperatures of 570° F may release chlorine gas.*
Hazardous Polymerization: *Will not occur*
Conditions to Avoid: *Avoid contact and storage with above listed compounds or materials.*

SECTION VI: HEALTH HAZARD DATA

Signs and Symptoms of Exposure:

Ingestion: *Oral ingestion of large doses may cause GI irritation.*
Skin: *May cause irritation*
Eye: *May cause irritation*
Inhalation: *Liquid product, normally not applicable.*

Emergency and First Aide Procedures:

Ingestion: *Non toxic, do not induce vomiting, rinse mouth with water, do not give an unconscious person something to ingest.*
Skin: *Flush with water, wash with mild soap and water, practice reasonable and ordinary hygiene.*
Eyes: *Look for and remove contact lenses. Irrigate with water.*
Inhalation: *Normally not applicable. If inhaled, remove to fresh air, if not breathing, give artificial respiration. Obtain medical attention if irritation occurs.*

SECTION VII: PRECAUTION FOR SAFE HANDLING AND USE

Accidental Release Measures:

No special precautions. Flush with water.

Waste Disposal Method:

Waste must be disposed of in accordance with federal, state and local regulations.

Precautions to be taken in Handling and Storage*:*

KEEP OUT OF THE REACH OF CHILDREN
Material can be corrosive to some metals; care should be taken when stored for long periods in metal containers. Avoid contact with eye, skin or clothing. Wash thoroughly after handling. Practice reasonable care and precautions. Wear safety glasses and rubber or other impervious gloves.

Other Precautions:

Not for food or drug use. Do not take internally. May cause leather to shrink.

SECTION VIII: CONTROL MEASURES

Respiratory Protection:	*None*
Ventilation:	*Local Exhaust: Not required*
	Mechanical (General): Not required
Protective Gloves:	*Rubber or other impervious gloves recommended.*
Eye Protection:	*Safety glasses or goggles with splash shields recommended.*
Other:	*None*

The information contained in this Material Safety Data Sheet is, to the best of our knowledge, accurate and reliable. No warranty of any kind is either expressed or implied.

This information should be provided to all individuals handling this product. Federal, state, and local regulations should be followed when handling this product.

Sample Collection
Field Data Sheets

Parcel 25 Above Ground Storage Tank Sample Log

Sample ID:	2500ASTSS-001-SO
Sample Date:	13-Nov-2
SampleTime:	1147
Personnel:	Scoville/Smith
Weather:	Cool/Sunny
Soil Color:	Light brown
Soil Desc:	Clayey Sand
Remarks:	At drain under fence

Sample ID:	2500ASTSS-002-SO
Sample Date:	13-Nov-2
SampleTime:	1157
Personnel:	Scoville/Smith
Weather:	Cool/Sunny
Soil Color:	Gray Brown w/Red
Soil Desc:	Sandy Clay
Remarks:	Sample increment begins below gravel drive (approx 6")

Sample ID:	2500ASTSS-003-SO
Sample Date:	13-Nov-2
SampleTime:	1207
Personnel:	Scoville/Smith
Weather:	Cool/Sunny
Soil Color:	Brown
Soil Desc:	Sandy Clay
Remarks:	Sample increment begins below gravel drive (approx 2")

Parcel 25 Above Ground Storage Tank Sample Log

Sample ID:	2500ASTSS-004-SO
Sample Date:	13-Nov-2
SampleTime:	1227
Personnel:	Scoville/Smith
Weather:	Cool/Sunny
Soil Color:	Reddish Brown
Soil Desc:	Clayey Silt
Remarks:	"Background" for AST area. Taken along entrance road ROW @ east fenceline in Parcel 12.

Corps of Engineers
Laboratory Report

DHL ANALYTICAL

Rec'd 1 Dec 08

November 26, 2008

Mike Scoville
Ft. Worth District Corps of Engineers
819 Taylor Street
Room 3A12
Ft. Worth, Texas 76102

TEL: (817) 692-3460
FAX: (817) 886-6490

Order No.: 0811088

RE: Fort Wingate

Dear Mike Scoville:

DHL Analytical received 4 sample(s) on 11/14/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-08A-TX

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL

INVOICE

Remit to: P.O. 5023
Round Rock,TX 78683-5023

COPY

Invoice Information PO Number:

Invoice TO: Ft. Worth District Corps of Engineers
Attn: Shirley Bayless
819 Taylor Street
Room 3A12
Ft. Worth, Texas 76102 Phone: (817) 886-1854

Project Information

Project Name: Fort Wingate
Project No: P25 Tank Site
Reported To: Mike Scoville
Date Received: 11/14/2008

Invoice No:	**25011**
Invoice Date:	26-Nov-08
Payment Due Date:	26-Dec-08
Payment Terms:	Net 30 Days
DHL Work Order:	0811088

Item	T.A.T - Remarks	Qty	List Price	Test Total
Anions by IC method - Soil	Normal	4	$45.00	$180.00
pH of Solid (Corrosivity)	Normal	4	$15.00	$60.00
TRRP Reporting	Normal	1	$50.00	$50.00

Subtotal:	**$290.00**
Misc Charges:	$0.00
INVOICE Total:	**$290.00**

DHL ANALYTICAL

TABLE OF CONTENTS

This report for USACE: Fort Wingate (DHL Work Order 0811088) contains the following information:

November 26, 2008

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

CHAIN OF CUSTODY RECORD

D0811088

Lab PR&C Number:
Tech Manager: Mike Scoville

Project/Installation: Fort Wingate

Site/Feature: P25 Tank Site

Turnaround Time Desired: 10 days

Chest No.:

Phone No: 817-692-3460

Electronic Format: .XLS or .MDB

Sampling Firm: USACE

Airbill No.: 864501577203

Analytes/Test Methods [number and type of containers]

Date/Time	Field Sample No.	Depth of Sample	Matrix	pH SW9045C	Chloride & Sulphate SW9056	TOTAL CONTAINERS
01 13 Nov 2008/ 1147	2500ASTSS-001-SO	0"-6"	Soil	X	X	1
02 13 Nov 2008/ 1157	2500ASTSS-002-SO	0"-6"	Soil	X	X	1
03 13 Nov 2008/ 1207	2500ASTSS-003-SO	0"-6"	Soil	X	X	1
04 13 Nov 2008/ 1227	2500ASTSS-004-SO	0"-6"	Soil	X	X	1

Relinquished by: M. Smith	Date/Time: 13 Nov 2008/1500	Received by: Fed Ex	Date/Time: 11/13/08
Relinquished by: Fed Ex	Date/Time: 11/14/08 10:00	Received by: JBank	Date/Time: 11/14/08 10:00
Relinquished by:	Date/Time:	Received for Lab by:	Date/Time:

PROVIDE DATA IN BOTH HARD COPY AND ELECTRONIC FORMAT

2.4° Chem #57

FedEx Express US Airbill

8645 0157 7203

0200

Form ID No.

FedEx Retrieval Copy

1 From

Date 13 Nov 2008 Sender's FedEx Account Number 240324229

Sender's Name MIKE SCOVILLE Phone 817 692 3460

Company US ARMY CORPS OF ENGINEERS

Address 819 TAYLOR ST Room 3A12

Dept./Floor/Suite/Room

City FORT WORTH State TX ZIP 76102-0300

2 Your Internal Billing Reference FUNDA P2S A1T

3 To

Recipient's Name JOHN DUTTON Phone 512 398-8222

Company DHL ANALYTICAL

Recipient's Address 2300 DOUBLE CREEK DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City ROUND ROCK State TX ZIP 78664

8645 0157 7203

4a Express Package Service *Packages up to 150 lbs.*

1 ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 ☒ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

7 ☐ FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation.

** To most locations.

5 Packaging

6 ☐ FedEx Envelope* 2 ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 ☐ FedEx Box 4 ☐ FedEx Tube 1 ☒ Other

* Declared value limit $500.

6 Special Handling Include FedEx address in Section 3.

3 ☐ SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 ☐ HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 ☐ HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

☒ No 4 ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. 6 ☐ Dry Ice — Dry Ice, 9, UN 1845 x kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

1 ☒ Sender — Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Obtain Recip. Acct. No. ☐

Total Packages

Total Weight

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

Credit Card Auth.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

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fedex.com 1.800.GoFedEx 1.800.463.3339

DHL Analytical

Sample Receipt Checklist

Client Name Ft. Worth District Corps of Engineers

Date Received: 11/14/2008

Work Order Number 0811088

Received by JB

Checklist completed by: [signature] Signature 11/14/08 Date

Reviewed by DL Initials 11/24/08 Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? ..... Checked by .....

Any No response must be detailed in the comments section below.

Client contacted ..... Date contacted: ..... Person contacted .....

Contacted by: ..... Regarding: .....

Comments: .....

Corrective Action .....

Laboratory Data Package Signature Page

This data package consists of:

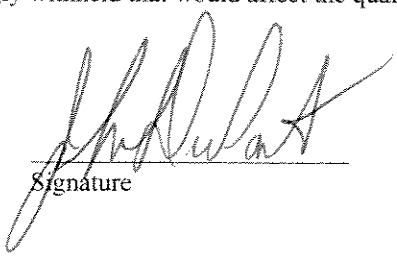
This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
John DuPont – General / QA Manager



Signature

11/26/08

Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Fort Wingate	Date: 11/26/2008
Reviewer Name: Evelyn Ferrero	Laboratory Work Order: 0811088
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	**1)** Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		2) Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and Quality Control (QC) Identification**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test Reports**					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Were % moisture (or solids) reported for all soil and sediment samples?	X				
		8) If required for the project, TICs reported?			X		
R4	O	**Surrogate Recovery Data**					
		1) Were surrogates added prior to extraction?			X		
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	**Laboratory Control Samples (LCS):**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits (if applicable)?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quantitation Limits (MQLs):**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.
Laboratory Review Checklist (continued): Supporting Data

Project Name: Fort Wingate	Date: 11/26/2008
Reviewer Name: Evelyn Ferrero	Laboratory Work Order: 0811088

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB):**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass Spectral Tuning:**					
		1) Was the appropriate compound for the method used for tuning?			X		
		2) Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal Standards (IS):**					
		1) Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw Data (NELAC section 1 appendix A glossary, and section 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual Column Confirmation**					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?			X		
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method Detection Limit (MDL) Studies**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical **Date:** *26-Nov-08*

CLIENT: Ft. Worth District Corps of Engineers
Project: Fort Wingate
Lab Order: 0811088

CASE NARRATIVE

The samples were analyzed using the methods outlined in the following references:

Method SW9056 - Anions by IC method - Soil
Method D2216 - Percent Moisture (Parameter not NELAC Certified)
Method SW9045C - pH of Solid (Corrosivity)

Exception Report R1-01

A total of 4 samples were received and logged-in on 11/14/2008. The samples arrived in good condition and were properly packaged.

DHL Analytical

Date: *26-Nov-08*

CLIENT: Ft. Worth District Corps of Engineers
Project: Fort Wingate
Lab Order: 0811088

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
0811088-01	2500ASTSS-001-SO	S08013-1	11/13/08 11:47 AM	11/14/2008
0811088-02	2500ASTSS-002-SO	S08013-2	11/13/08 11:57 AM	11/14/2008
0811088-03	2500ASTSS-003-SO	S08013-3	11/13/08 12:07 PM	11/14/2008
0811088-04	2500ASTSS-004-SO	S08013-4	11/13/08 12:27 PM	11/14/2008

Lab Order: 0811088
Client: Ft. Worth District Corps of Engineers
Project: Fort Wingate

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0811088-01A	2500ASTSS-001-SO	11/13/08 11:47 AM	Soil	SW9056	Anion Prep	11/17/08 09:34 AM	32385
	2500ASTSS-001-SO	11/13/08 11:47 AM	Soil	D2216	Percent Moisture	11/17/08 10:20 AM	PMOIST_081117A
	2500ASTSS-001-SO	11/13/08 11:47 AM	Soil	SW9045C	pH of Solid (Corrosivity)	11/17/08	PH_S-11/17/2008
0811088-02A	2500ASTSS-002-SO	11/13/08 11:57 AM	Soil	SW9056	Anion Prep	11/17/08 09:34 AM	32385
	2500ASTSS-002-SO	11/13/08 11:57 AM	Soil	SW9056	Anion Prep	11/17/08 09:34 AM	32385
	2500ASTSS-002-SO	11/13/08 11:57 AM	Soil	D2216	Percent Moisture	11/17/08 10:20 AM	PMOIST_081117A
	2500ASTSS-002-SO	11/13/08 11:57 AM	Soil	SW9045C	pH of Solid (Corrosivity)	11/17/08	PH_S-11/17/2008
0811088-03A	2500ASTSS-003-SO	11/13/08 12:07 PM	Soil	SW9056	Anion Prep	11/17/08 09:34 AM	32385
	2500ASTSS-003-SO	11/13/08 12:07 PM	Soil	D2216	Percent Moisture	11/17/08 10:20 AM	PMOIST_081117A
	2500ASTSS-003-SO	11/13/08 12:07 PM	Soil	SW9045C	pH of Solid (Corrosivity)	11/17/08	PH_S-11/17/2008
0811088-04A	2500ASTSS-004-SO	11/13/08 12:27 PM	Soil	SW9056	Anion Prep	11/17/08 09:34 AM	32385
	2500ASTSS-004-SO	11/13/08 12:27 PM	Soil	D2216	Percent Moisture	11/17/08 10:20 AM	PMOIST_081117A
	2500ASTSS-004-SO	11/13/08 12:27 PM	Soil	SW9045C	pH of Solid (Corrosivity)	11/17/08	PH_S-11/17/2008

DHL Analytical

26-Nov-08

Lab Order: 0811088
Client: Ft. Worth District Corps of Engineers
Project: Fort Wingate

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0811088-01A	2500ASTSS-001-SO	Soil	SW9056	Anions by IC method - Soil	32385	1	11/18/08 12:06 PM	IC2_081118A
	2500ASTSS-001-SO	Soil	D2216	Percent Moisture	PMOIST_081117A	1	11/17/08 04:15 PM	PMOIST_081117A
	2500ASTSS-001-SO	Soil	SW9045C	pH of Solid (Corrosivity)	PH_S-11/17/2008	1	11/17/08 09:45 AM	PH_081117A
0811088-02A	2500ASTSS-002-SO	Soil	SW9056	Anions by IC method - Soil	32385	1	11/18/08 02:03 PM	IC2_081118A
	2500ASTSS-002-SO	Soil	SW9056	Anions by IC method - Soil	32385	20	11/18/08 12:35 PM	IC2_081118A
	2500ASTSS-002-SO	Soil	D2216	Percent Moisture	PMOIST_081117A	1	11/17/08 04:15 PM	PMOIST_081117A
	2500ASTSS-002-SO	Soil	SW9045C	pH of Solid (Corrosivity)	PH_S-11/17/2008	1	11/17/08 09:45 AM	PH_081117A
0811088-03A	2500ASTSS-003-SO	Soil	SW9056	Anions by IC method - Soil	32385	1	11/18/08 12:50 PM	IC2_081118A
	2500ASTSS-003-SO	Soil	D2216	Percent Moisture	PMOIST_081117A	1	11/17/08 04:15 PM	PMOIST_081117A
	2500ASTSS-003-SO	Soil	SW9045C	pH of Solid (Corrosivity)	PH_S-11/17/2008	1	11/17/08 09:45 AM	PH_081117A
0811088-04A	2500ASTSS-004-SO	Soil	SW9056	Anions by IC method - Soil	32385	1	11/18/08 01:04 PM	IC2_081118A
	2500ASTSS-004-SO	Soil	D2216	Percent Moisture	PMOIST_081117A	1	11/17/08 04:15 PM	PMOIST_081117A
	2500ASTSS-004-SO	Soil	SW9045C	pH of Solid (Corrosivity)	PH_S-11/17/2008	1	11/17/08 09:45 AM	PH_081117A

DHL Analytical

Date: *26-Nov-08*

CLIENT: Ft. Worth District Corps of Engineers
Project: Fort Wingate
Project No: P25 Tank Site
Lab Order: 0811088

Client Sample ID: 2500ASTSS-001-SO
Lab ID: 0811088-01
Collection Date: 11/13/08 11:47 AM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - SOIL		**SW9056**					Analyst: **JBC**
Chloride	ND	5.14	5.14		mg/Kg-dry	1	11/18/08 12:06 PM
Sulfate	10.7	10.3	10.3		mg/Kg-dry	1	11/18/08 12:06 PM
PH OF SOLID (CORROSIVITY)		**SW9045C**					Analyst: **AAD**
pH	8.02	0	0		pH Units	1	11/17/08 09:45 AM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	3.15	0	0	N	WT%	1	11/17/08 04:15 PM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical

Date: *26-Nov-08*

CLIENT:	Ft. Worth District Corps of Engineers	**Client Sample ID:**	2500ASTSS-002-SO
Project:	Fort Wingate	**Lab ID:**	0811088-02
Project No:	P25 Tank Site	**Collection Date:**	11/13/08 11:57 AM
Lab Order:	0811088	**Matrix:**	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - SOIL		**SW9056**					Analyst: **JBC**
Chloride	11.8	5.45	5.45		mg/Kg-dry	1	11/18/08 02:03 PM
Sulfate	8500	218	218		mg/Kg-dry	20	11/18/08 12:35 PM
PH OF SOLID (CORROSIVITY)		**SW9045C**					Analyst: **AAD**
pH	7.19	0	0		pH Units	1	11/17/08 09:45 AM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	9.65	0	0	N	WT%	1	11/17/08 04:15 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical

Date: *26-Nov-08*

CLIENT:	Ft. Worth District Corps of Engineers	**Client Sample ID:**	2500ASTSS-003-SO
Project:	Fort Wingate	**Lab ID:**	0811088-03
Project No:	P25 Tank Site	**Collection Date:**	11/13/08 12:07 PM
Lab Order:	0811088	**Matrix:**	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - SOIL		**SW9056**					Analyst: **JBC**
Chloride	30.9	5.36	5.36		mg/Kg-dry	1	11/18/08 12:50 PM
Sulfate	31.9	10.7	10.7		mg/Kg-dry	1	11/18/08 12:50 PM
PH OF SOLID (CORROSIVITY)		**SW9045C**					Analyst: **AAD**
pH	7.73	0	0		pH Units	1	11/17/08 09:45 AM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	7.11	0	0	N	WT%	1	11/17/08 04:15 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical

Date: *26-Nov-08*

CLIENT:	Ft. Worth District Corps of Engineers	**Client Sample ID:**	2500ASTSS-004-SO
Project:	Fort Wingate	**Lab ID:**	0811088-04
Project No:	P25 Tank Site	**Collection Date:**	11/13/08 12:27 PM
Lab Order:	0811088	**Matrix:**	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - SOIL		**SW9056**					Analyst: **JBC**
Chloride	ND	5.10	5.10		mg/Kg-dry	1	11/18/08 01:04 PM
Sulfate	ND	10.2	10.2		mg/Kg-dry	1	11/18/08 01:04 PM
PH OF SOLID (CORROSIVITY)		**SW9045C**					Analyst: **AAD**
pH	7.83	0	0		pH Units	1	11/17/08 09:45 AM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	2.42	0	0	N	WT%	1	11/17/08 04:15 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical

Date: *26-Nov-08*

CLIENT: Ft. Worth District Corps of Engineers
Work Order: 0811088
Project: Fort Wingate

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_081118A

Sample ID: LCS-32385	Batch ID: 32385	TestNo: SW9056	Units: mg/Kg
SampType: LCS	Run ID: IC2_081118A	Analysis Date: 11/18/2008 11:21:00 A	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	48.2	5.00	50.00	0	96.5	80	120			
Sulfate	147	10.0	150.0	0	97.8	80	120			

Sample ID: LCSD-32385	Batch ID: 32385	TestNo: SW9056	Units: mg/Kg
SampType: LCSD	Run ID: IC2_081118A	Analysis Date: 11/18/2008 11:35:41 A	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	48.1	5.00	50.00	0	96.3	80	120	0.201	20	
Sulfate	148	10.0	150.0	0	98.4	80	120	0.588	20	

Sample ID: MB-32385	Batch ID: 32385	TestNo: SW9056	Units: mg/Kg
SampType: MBLK	Run ID: IC2_081118A	Analysis Date: 11/18/2008 11:50:21 A	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	5.00								
Sulfate	ND	10.0								

Sample ID: 0811088-01A DUP	Batch ID: 32385	TestNo: SW9056	Units: mg/Kg-dry
SampType: DUP	Run ID: IC2_081118A	Analysis Date: 11/18/2008 12:20:53 P	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	0	5.11	0	0				0	20	
Sulfate	10.4	10.2	0	10.72				3.37	20	

Sample ID: 0811088-01A MS	Batch ID: 32385	TestNo: SW9056	Units: mg/Kg-dry
SampType: MS	Run ID: IC2_081118A	Analysis Date: 11/18/2008 1:19:34 PM	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	50.9	5.14	51.42	0	99.0	80	120			
Sulfate	155	10.3	154.3	6.430	96.3	80	120			

Sample ID: 0811088-01A MSD	Batch ID: 32385	TestNo: SW9056	Units: mg/Kg-dry
SampType: MSD	Run ID: IC2_081118A	Analysis Date: 11/18/2008 1:34:15 PM	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	51.9	5.14	51.42	0	101	80	120	1.86	20	
Sulfate	158	10.3	154.3	6.430	98.2	80	120	1.91	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Ft. Worth District Corps of Engineers
Work Order: 0811088
Project: Fort Wingate

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_081118A

Sample ID: ICV-081118	Batch ID: R40662	TestNo: SW9056	Units: mg/Kg
SampType: ICV	Run ID: IC2_081118A	Analysis Date: 11/18/2008 10:56:16 A	Prep Date: 11/18/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	25.5	5.00	25.00	0	102	90	110			
Sulfate	77.3	10.0	75.00	0	103	90	110			

Sample ID: CCV1-081118	Batch ID: R40662	TestNo: SW9056	Units: mg/Kg
SampType: CCV	Run ID: IC2_081118A	Analysis Date: 11/18/2008 1:48:55 PM	Prep Date: 11/18/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.80	5.00	10.00	0	98.0	90	110			
Sulfate	30.0	10.0	30.00	0	100	90	110			

Sample ID: CCV2-081118	Batch ID: R40662	TestNo: SW9056	Units: mg/Kg
SampType: CCV	Run ID: IC2_081118A	Analysis Date: 11/18/2008 2:18:16 PM	Prep Date: 11/18/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.77	5.00	10.00	0	97.7	90	110			
Sulfate	31.2	10.0	30.00	0	104	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Ft. Worth District Corps of Engineers
Work Order: 0811088
Project: Fort Wingate

ANALYTICAL QC SUMMARY REPORT

RunID: PH_081117A

Sample ID: ICV	Batch ID: PH_S-11/17/2008	TestNo: SW9045C	Units: pH Units
SampType: ICV	Run ID: PH_081117A	Analysis Date: 11/17/2008 9:45:00 AM	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	9.99	0	10.00	0	99.9	99	101			

Sample ID: 0811088-01A DUP	Batch ID: PH_S-11/17/2008	TestNo: SW9045C	Units: pH Units
SampType: DUP	Run ID: PH_081117A	Analysis Date: 11/17/2008 9:45:00 AM	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	8.02	0	0	8.021				0.0624	5	

Sample ID: CCV-081113	Batch ID: PH_S-11/17/2008	TestNo: SW9045C	Units: pH Units
SampType: CCV	Run ID: PH_081117A	Analysis Date: 11/17/2008 9:45:00 AM	Prep Date: 11/17/2008

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	6.89	0	7.000	0	98.5	97.1	102.9			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Ft. Worth District Corps of Engineers
Work Order: 0811088
Project: Fort Wingate

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_081117A

Sample ID: **0811088-03A DUP**	Batch ID: **PMOIST_081117A**	TestNo: **D2216**		Units: **WT%**	
SampType: **DUP**	Run ID: **PMOIST_081117A**	Analysis Date: **11/17/2008 4:15:00 PM**		Prep Date: **11/17/2008**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	7.21	0	0	7.110				1.45	30	N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

DHL Analytical

Date: *26-Nov-08*

CLIENT: Ft. Worth District Corps of Engineers
Work Order: 0811088
Project: Fort Wingate

MQL SUMMARY REPORT

TestNo: SW9056	MDL	MQL
Analyte	**mg/Kg**	**mg/Kg**
Chloride	5.00	5.00
Sulfate	10.0	10.0

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

Anadarko
Laboratory Report

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 21, 2008

Anadarko
Bob McClain
P.O. Box 70
Kirtland, New Mexico 87417

Client No.: 92187-008

Dear Mr. McClain:

Enclosed are the analytical results for the samples collected from the location designated as "San Juan River Plant Filter Samples". Four samples were collected by Anadarko designated personnel on 7/02/08 - 7/10/08, and delivered to the Envirotech laboratory on 7/10/08 for BTEX per USEPA Method 8021, Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 and RCRA 8 List Metals.

The samples were documented on Envirotech Chain of Custody No. 4775 and was assigned Laboratory Nos. 46295 (Spent Claus Catalyst), 46296 (Waste Sulfur), 46397 (Charcoal Filter) and 46398 (Liquid Stabilizer Fitler) for tracking purposes.

The samples were analyzed on 7/11/08 - 7/16/08 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Christine M. Walters
Lab Manager

enc.

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Anadarko	Project #:	92187-0008
Sample ID:	Waste Sulfur	Date Reported:	07-14-08
Laboratory Number:	46296	Date Sampled:	07-09-08
Chain of Custody:	4775	Date Received:	07-10-08
Sample Matrix:	Solid	Date Analyzed:	07-11-08
Preservative:		Date Digested:	07-10-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**0.447**	**0.001**	**5.0**
Barium	**0.217**	**0.001**	**100**
Cadmium	**0.009**	**0.001**	**1.0**
Chromium	**0.008**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.022**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **San Juan River Plant Filter Samples.**

Analyst

Review

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WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☒ YES ☐ NO

☐ Hazardous ☒ Non-Hazardous ☐ TSCA

Profile Number: WM CV 3791

Renewal Date: 5/31/2005

A. Waste Generator Information

1. Generator Name: Western Gas Resources Inc.
2. SIC Code: 1311
3. Facility Street Address: 90 Road 6500
4. Phone: (505) 598-5601
5. Facility City: Kirtland
6. State/Province: NM
7. Zip/Postal Code: 87417
8. Generator USEPA/Federal ID #: N/A
9. County: San Juan
10. State/Province ID #: N/A
11. Customer Name: Western Gas Resources Inc
12. Customer Phone: (303) 252-6237
13. Customer Contact: Ron LePlatt
14. Customer Fax: (303) 252-6240
15. Billing Address: P.O. Box 70 Kirtland, NM 87417 ☐ Same as above

B. Waste Stream Information

1. Description

a. Name of Waste: Waste sulfur

b. Process Generating Waste: Recovery of sulfur from natural gas

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range / h. pH: Range
Yellow	None	☒ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	☐ Single Layer ☐ Multi-layer	g. to % None; h. pH: Range Neutral to %

i. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☒ Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Sulfur	99% +		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive ☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ☐ YES ☒ NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ☐ YES ☒ NO

n. Does the waste represented by this profile contain asbestos? ☐ YES ☒ NO
If yes ☐ friable ☐ non-friable

o. Does the waste represented by this profile contain benzene? ☐ YES ☒ NO
If yes, concentration _____ ppm
Is the waste subject to the benzene waste operations NESHAP?

p. Is the waste subject to RCRA Subpart CC controls? ☐ YES ☒ NO
If no, does the waste meet the organic LDR Exemption? Not Applicable ☐ YES ☒ NO
If no, does the waste contain <500 ppmw volatile organic (VO)? ☐ YES ☐ NO
Volatile organic concentration 0.0 ppmw ☒ YES ☐ NO

q. Does the waste contain any Class I or Class II ozone-depleting substances? ☐ YES ☒ NO

r. Does the waste contain debris? (list in Ssection B.1.j) ☐ YES ☒ NO

2. **Quantity of Waste**
Estimated Annual Volume 50 ☐ Tons ☐ Yards ☐ Drums ☒ Other (specify) pounds

3. **Shipping Information**

a. Packaging:
☒ Bulk Solid; Type/Size: _____
☐ Drum; Type; Size: _____
☐ Bulk Liquid; Type/Size: _____
☐ Other: _____

b. Shipping Frequency: Units 1 Per: ☐ Month ☐ Quarter ☐ Year ☒ One time ☐ Other _____

c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ☐ YES ☒ NO

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LV 3741

d. Reportable Quantity (lbs.; kgs.): _____ e. Hazard Class/ID #: _____
f. USDOT Shipping Name: _____
g. Personal Protective Equipment Requirements: _____
h. Transporter/Transfer Station: _____

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ☐YES ☒NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (if yes, list in Section B.1.j) ☐YES ☐NO
   c. Does this waste contain debris? (if yes, list size and type in Chemical Composition - B.1.) ☐YES ☐NO
2. Is this a state hazardous waste? ☐YES ☒NO
   identify ALL state hazardous waste codes _____
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - B.1.j) ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ☐YES ☐NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Ronald R LePlatt Title: Sr. Environmental Engineer
Name (Type or Print): Ronald R. LePlatt Company Name: Western Gas Resources Date: 5/6/02
☐Check if additional information is attached. Indicate the number of attached pages _____

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☒Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify) _____
2. Proposed Ultimate Management Facility: San Juan County Landfill Aztec NM
3. Precautions, Special Handling Procedures, or Limitation on Approval: Bury upon receipt at working face
4. Waste Form _____ 5. Source _____ 6. System Type _____
Special Waste Decision _____
Salesperson's Signature: _____ ☒Approved ☐Disapproved
Division Approval Signature (Optional): _____ Date: _____
Special Waste Approvals Person Signature: [signature] Date: 5-21-02

999-9117

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

June 7, 2006

Mr. Robert McClain
Western Gas Resources
P.O. Box 70
Kirtland, NM 87417

Phone: (505) 598-5601 Ext 42

Client No.: 92187-008

Dear Mr. McClain

Enclosed are the analytical results for the sample collected from the location designated as "Kirtland, NM". One solid sample was collected by Western Gas Resources designated personnel on 06/05/06, and received by the Envirotech laboratory on 06/05/06 for RCRA 8 List Metals.

The sample was documented on Envirotech Chain of Custody No. 1043. The sample was assigned Laboratory No. 37340 (Waste Sulfur) for tracking purposes.

The samples were analyzed on 06/06/06 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/Western.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Western Gas Resources	Project #:	92187-008
Sample ID:	Waste Sulfer	Date Reported:	06-06-06
Laboratory Number:	37340	Date Sampled:	06-05-06
Chain of Custody:	1043	Date Received:	06-05-06
Sample Matrix:	Solid	Date Analyzed:	06-06-06
Preservative:	N/A	Date Digested:	06-06-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**ND**	**0.001**	**5.0**
Barium	**1.43**	**0.001**	**100**
Cadmium	**0.013**	**0.001**	**1.0**
Chromium	**0.101**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Kirtland, NM.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	06-06 TM QA/AC	Date Reported:	06-06-06
Laboratory Number:	37326	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	06-06-06
Condition:	N/A	Date Digested:	06-05-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.079	0.078	1.3%	0% - 30%
Barium	ND	ND	0.001	7.85	7.82	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.021	0.021	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.219	0.216	1.4%	0% - 30%
Lead	ND	ND	0.001	0.189	0.187	1.1%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.079	0.577	99.7%	80% - 120%
Barium	0.500	7.85	8.33	99.8%	80% - 120%
Cadmium	0.500	0.021	0.521	100.0%	80% - 120%
Chromium	0.500	0.219	0.716	99.6%	80% - 120%
Lead	0.500	0.189	0.686	99.6%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 37326, 37338, 37340.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

1043

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Western Gas Resources	Kirtland, NM	
Sampler: Robert McClain	Client No. 92187-008	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA metals						Remarks
Waste Sulfur	6/5/06	1400	37340	Solid	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert McClain	6/5/06	1500	Christie M Walker	6/5/06	1506
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice			