

Final Report

Lime Treatment Pilot Study Plum Brook Ordnance Works –Pentolite Road Red Water Ponds Sandusky, Ohio

Contract No. W91237-06-C-0006

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July 2007

McTech Project Number 200614M

200-1e

03.10_0005

G050H001820_03.10_0005_a

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DEFINITIONS AND ACRONYMS

COC	Contaminant of Concern
DERP-FUDS	Defense Environmental Restoration Program for Formerly Used Defense Sites
DNT	Dinitrotoluene
DOD	Department of Defense
EPA	Environmental Protection Agency
GSA	General Services Administration
HI	Hazard Index
HSWA	Hazardous and Solid Waste Amendments
IDW	Investigation Derived Waste
ISRA	Interim Soil Removal Action
MDL	Minimum Detection Limit
NASA	National Aeronautics and Space Administration
ND	Non-detectable
OEPA	Ohio Environmental Protection Agency
OSHA	Occupational Safety & Health Administration
PBOSG	Plum Brook Operations Support Group
PBOW	Plum Brook Ordnance Works
POC	Point of Contact
PQL	Practical Quantitation Limit
PPE	Personal Protective Equipment
PRGs	Preliminary Remediation Goals
PRRWP	Pentolite Road Red Water Ponds
QC	Quality Control

DEFINITIONS AND ACRONYMS (continued)

QCO	Quality Control Officer
QCP	Quality Control Plan
QCR	Quality Control Report
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
RGO	Remedial Goal Objectives
SOW	Scope of Work
SSHO	Site Safety and Health Officer
SSHP	Site-Specific Safety and Health Plan
SU	Standard Units
TCLP	Toxicity Characteristic Leaching Procedure
TNB	Trinitrobenzene
TNT	Trinitrotoluene
USACE	United States Army Corps of Engineers

Final Report

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1.0 PROJECT DESCRIPTION

1.1 Background and Purpose

The purpose of this contract at Pentolite Road Red Water Ponds (PRRWP) was to study the application of lime for the treatment and reduction of nitroaromatic contamination in soil found in the PRRWP area of the National Aeronautics and Space Administration (NASA) Plum Brook Ordnance Works (PBOW) site, located in Sandusky, Ohio. The United States Army Corps of Engineers (USACE) is the responsible agency under the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS) for environmental restoration of Department of Defense (DOD)-related contamination at PBOW. The results of the completed Interim Soil Removal Action (ISRA) (WTI May 2006) provide analysis and evaluation of the PRRWP area. Based on the data contained in this report it appeared PRRWP was a good candidate for field implementation of the lime treatment technology outlined in the USACE technical report, ERDC/EL TR-03-15, September 2003, *Lime Treatment of 2,4,6-Trinitrotoluene Contaminated Soils: Proof of Concept Study*.

The single Contaminant of Concern (COC), 2,4,6 Trinitrotoluene (TNT) at the PRRWP is at concentrations that exceed the Preliminary Remediation Goals (PRGs) as identified in the *Final Action Memorandum for the Pentolite Road Red Water Ponds Interim Removal Action* (USACE 2003). The PRGs are based upon Remedial Goal Objectives (RGOs), which are chemical and receptor-specific, risk-based remedial criteria that capture all the exposure assumptions and toxicological data used in risk assessment. This reduction in nitroaromatic contamination will be done to minimize the threats to, and provide adequate protection to, human health and the environment from exposure to nitroaromatic-contaminated soil at PRRWP. The study's approach was to excavate soil from various levels to create eight test plots into which lime was tilled. The pH of the plots was measured and recorded. Samples were collected weekly and analyzed to monitor the effectiveness of the treatment.

1.2 Site Location and History

The former PBOW is located approximately 4 miles south of Sandusky, Ohio and 59 miles west of Cleveland, Ohio. Although the PBOW site is primarily situated in Perkins and Oxford Townships, the eastern edge of the site extends into Huron and Milan Townships. The site is bounded on the north by Bogart Road, on the south by Mason Road, on the west by County Road 43, and on the east by U.S. Highway 250. The surrounding area is mostly agricultural and residential.

The 9,009 acre PBOW site was built by the United States Army in early 1941 as a manufacturing plant for 2,4,6-TNT, Dinitrotoluene (DNT), and Pentolite. Production of explosives at PBOW began in December 1941 and continued until 1945.

PBOW PRRWP consists of an area of approximately 9 acres located at the north-central portion of the former PBOW. PRRWP is located just south of Pentolite Road, southeast of the former Pentolite Area and approximately one mile north of TNT manufacturing area B (TNT B). During the operation of the site by the DOD, the wastewater produced by the purification of TNT within the TNT manufacturing area A (TNT A) and TNT B areas was discharged by means of wooden flumes and/or ceramic pipes into various settling ponds (West Area Red Water Ponds and PRRWP). This wastewater was then transported to a wastewater treatment and incineration area. PRRWP also received discharge from Wastewater Treatment Plant #1 that previously existed on site located approximately 700' east of the PRRWP area. Original PRRWP construction plans indicate pond dimensions of 200' wide (east-west) by 400' long (north-south) by 3' deep with a 1' high levee, which created a storage capacity of 182,000 cubic yards of wastewater. NASA had PRRWP filled in 1977 following a breach of the ponds.

NASA acquired the property on March 15, 1963 and currently utilizes the site. The General Services Administration (GSA) performed further decontamination efforts during the 1963 transfer. The decontamination process included removing contaminated surface soils above the drain tiles, flumes, etc., destruction of all buildings by fire, and the removal of all soil, debris, sumps, and concrete foundations. All materials, including the soil in those areas, were flashed. The area was then rough graded. The decontamination process also included the burning of excavated nitroaromatic-filled flumes.

1.3 Overview of Remedy and Proposed Action

To date, an ISRA has been conducted at the PRRWP area and a report prepared that addresses soil contamination limits that still remain in the area. The COC was identified as nitroaromatics, specifically, 2,4,6 TNT. TNT existed in surface soil, subsurface soil, and groundwater, however surface water and sediment were not found to be contaminated.

The objective of ISRA for PRRWP completed in 2003 and the current Lime Treatment Pilot Study (Pilot Study) at PRRWP is to minimize threats to, and provide adequate protection to, human health and the environment from exposure to contaminants in soil. The remedial objectives identified for soils at PRRWP are to:

- 1.) Minimize the potential for human exposure via incidental ingestion, dermal contact, and inhalation of soil contaminated with nitroaromatics.
- 2.) Minimize the potential for nitroaromatics to migrate from soil at the site to the groundwater.

During the 2003 ISRA limited funding allowed only for the excavation of the 20' x 20' x 10' area of contamination identified in the *Final Action Memorandum for the Pentolite Road Red Water Ponds Interim Removal Action* (USACE 2003). The area was only excavated to a depth of 8' rather than the 10' specified because groundwater was encountered. Exploratory test pits were used in place of continued excavation to determine the horizontal limits of the

contamination. Following the test pit activities, confirmation sampling and the calculation of the hazard index (HI) determined that the original extent of contamination was grossly underestimated. Further excavation or treatment is necessary to minimize threats to, and provide adequate protection to, human health and the environment from exposure to the nitroaromatic contamination in the soil. In addition to the original excavation of 118 cubic yards, approximately 7,600 cubic yards of additional excavation or treatment would be required to remediate PRRWP.

The Lime Treatment Pilot Study project became available due to newly distributed funding and was to investigate the possibility of reducing the TNT found in the area below the PRG level so that the soil can remain on site rather than being disposed of off site.

Project actions consisted of; excavation, tilling (in lifts between 12" and 18") of the soil with hydrated/slaked lime, obtaining a pH that was conducive for treatment to occur, sampling periodically (field and lab confirmation analysis) to determine the decrease in the nitroaromatics, comparing the reduced levels to the identified preliminary remediation goal (PRG) of 13.8 mg/kg of TNT. Surveying was also performed to determine the volumes of soils treated prior to placing the soil back into the ground, seeding area with common grasses occurring naturally in the PRRWP area, and preparing this report documenting the processes performed in this pilot study along with its findings. The results of this pilot study have been presented to a Restoration Advisory Board (RAB) meeting on March 8, 2007.

In discussion with the Ohio Environmental Protection Agency (OEPA), it was agreed upon that the soil could be placed back in the ground at the PRRWP. This agreement was based on the fact that funding was available for the continuation of the ISRA for the additional contaminated soil and because this soil was identified as non-hazardous.

1.4 Overview of Tasks

McTech was to provide all equipment, labor, materials, and supervision necessary for the Pilot Study as described in the Scope of Work (SOW), see Appendix D. Activities generally consist of excavation, tilling, sampling, replacing soil back into the ground, and site restoration.

The following tasks were to be performed under this SOW:

- Task 1** Preparation and submission of a Site Specific Safety and Health Plan.
- Task 2** Preparation and submission of a Quality Control Plan.
- Task 3** Preparation and submission of a Plan of Operations
- Task 4** Notification/ scheduling of field activities and coordination of utility marking with NASA officials prior to site mobilization.
- Task 5** Site surveying as necessary for identifying limits of excavation.
- Task 6** Excavation of contaminated material/ Tilling of hydrated or slaked lime.

- Task 7** Field Screening/ Confirmation Analysis by Laboratory
- Task 8** Site Restoration
- Task 9** Preparation/ Submission of the Draft and Final Lime Treatment Pilot Study Report for PRRWP.
- Task 10** Public meeting support to the USACE for the work defined by this contract.

All work conducted by McTech in the execution of this pilot study has been in an environmentally acceptable manner conforming to existing federal, state, and local regulations under USACE Huntington District (CELRH) supervision.

2.0 PROJECT ORGANIZATION AND RESPONSIBILITIES

As a Pilot Study, the collection of quality data and the resulting analysis are strongly affected by the project organization, project personnel, and well defined responsibilities. The following is a listing of functional areas and qualified personnel that have been involved with this Lime Treatment Pilot Study.

- A. Government Technical POC** — The technical Point of Contact (POC) representing the USACE who served as the liaison between the USACE and the contractor.

<u>USACE POC</u>	<u>Phone Number</u>
Lisa Humphreys	(304) 399-5953
Cellular	(304) 617-1461

- B. NASA Technical POC**— These were the technical POC representing NASA.

<u>NASA POC</u>	<u>Phone Number</u>
Robert Lallier	(419) 621-3234
<u>NASA Plum Brook Ordnance Support Group (PBOSG)</u>	<u>Phone Number</u>
Gary Ponikvar	(419) 621-3342

- C. Contractor's Project Manager** – McTech Corp’s Project Manager provided technical insight and supervision for the project. The Project Manager had overall responsibility to see that the project was completed in accordance with the Scope of Work.

<u>McTech Corp Project Manager</u>	<u>Phone Number</u>
Kimberlie Chambers	Cellular (304) 215-0099
	Alternate (218) 330-6436

- D. On-site Project Manager**—The On-site Project Manager was in charge of field activities in coordination with the Contractor’s Project Manager to ensure the Plan of Operation was followed.

<u>McTech Corp On-site Project Manager</u>	<u>Phone Number</u>
Dan Cashbaugh	(216) 391-7700
Cellular	(216) 404-8109

- E. Site Safety and Health Officer (SSHO)** – The SSHO was responsible for safety on site. This person had the authority to stop work if unsafe conditions warrant.

<u>C&K Industrial Services, Inc. SSHO</u>	<u>Phone Number</u>
Dan Cashbaugh	(216) 391-7700
Cellular	(216) 404-8109
James B. Russell (alternate)	Cellular (216) 404-8109

- F. Quality Control Officer (QCO)**—This person was responsible for QC at the site. This person had the authority to stop the work if QC were not being met. The QCO was an employee of McTech Corp and is trained in QC.

<u>McTech Corp QCO</u>	<u>Phone Number</u>
Michael Malloy	Cellular (216) 857-4517

- G. Field Personnel** – These personnel were responsible for assisting the Project Managers in completing the tasks required under this contract.

<u>McTech Corp Field Personnel</u>	<u>Phone Number</u>
James B. Russell	(216) 391-7700
<u>C&K Industrial Services, Inc. Field Personnel</u>	<u>Phone Number</u>
Gary Cooper	(216) 624-0055
Cellular	(216) 956-9253

- H. McTech Corp Independent Quality Control Team**— An internal quality control team independently reviewed the work plans and reports to ensure that they met requirements of the Scope of Work.

<u>McTech Corp</u>	<u>Phone Number</u>
Mark Perkins	(216) 391-7700
<u>The Meadows Group</u>	<u>Phone Number</u>
Rodney Bumgardner	(304) 722-6015

- I. REIC Laboratory**—Samples were sent to the following USACE certified laboratory. REIC Laboratory is located in Beaver, West Virginia.

<u>REIC Laboratory Contact</u>	<u>Phone Number</u>
Grant Wilton	(800) 999-0105

- J. Mountain State**—Personnel from Mountain State performed a survey of the treatment area and the area to be excavated.

<u>Mountain State Contact</u>	<u>Phone Number</u>
Jim Young	(304) 949-4762

3.0 APPLICABLE or RELEVANT AND APPROPRIATE REQUIREMENTS

Characterization activities at the PBOW site, specifically PRRWP, have indicated soil contamination resulting from past processes at the site. The *Final Action Memorandum for the Pentolite Road Red Water Ponds Interim Removal Action* (USACE 2003) identified the soil remediation goal for TNT, the nitroaromatic COC identified at this site.

The *Final Action Memorandum for the Pentolite Road Red Water Ponds Interim Removal Action* (USACE 2003) addressed soil contamination only. The elements of the selected remedy(s) were presented in *Final Action Memorandum for the Pentolite Road Red Water Ponds Interim Removal Action* (USACE 2003). The overall objective of the Soil Removal Action for the PBOW site was to minimize threats to, and provide adequate protection to, human health and the environment from exposure to contaminants in soil. The remedial objectives identified for soils at the PBOW site were:

- 1) Minimize the potential for human exposure via incidental ingestion, dermal contact, and inhalation of soil contaminated with nitroaromatics. PRG values are used to insure that the potential for human exposure is minimized. The PRG values are calculated based on risk assessments conducted during the Remedial Investigation/Feasibility Study (RI/FS) (Dames and Moore, April 1997/ IT August 2001).
- 2) Minimize the potential for nitroaromatics to migrate from soil at the site to the groundwater. This migration potential is measured using the Toxicity Characteristic Leaching Procedure (TCLP) developed under the Resource Conservation and Recovery Act (RCRA) guidelines, which simulates the contaminants leaching from soil to groundwater.

The soil objectives were designed to sufficiently address the principal threats at this site, which were nitroaromatics.

3.1 Preliminary Remedial Goals

Based upon the RI/FS Investigation (Dames and Moore, April 1997/ IT August 2001) the only COC for the site was TNT, therefore only one PRG was established for PRRWP. The PRG was based on residential usage of the site in the future. Refer to Table 1 for the COC PRG for this site.

Table 1 - Contaminant of Concern

Contaminant of Concern	PRG (mg/kg) ¹
Nitroaromatics	
TNT	13.8

¹ mg/kg=milligram per kilogram

3.2 Resource Conservation and Recovery Act

The PRG for PRRWP was established to minimize the potential for human exposure to the COC. However, the PRG does not correlate with the toxicity of the COC within excavated soil, and cannot be used to determine whether excavated soil is hazardous. Therefore the toxicity of the excavated soil must be determined in addition to the comparison with the established PRG for the site. During the pilot study no contaminated soil is expected to leave the site.

Subtitle C of the Federal RCRA, as amended by the Hazardous and Solid Waste Amendments (HSWA) of 1984, authorizes the Environmental Protection Agency to regulate the management of hazardous wastes. The designation of a waste as hazardous subjects all those charged with managing that waste to the stringent "cradle-to-grave" requirements of RCRA Subtitle C. It is crucial, therefore, for all those managing wastes to properly identify them and determine whether or not those wastes are in fact "hazardous". There are four kinds of hazardous wastes as defined by Subtitle C of RCRA:

- Solid wastes, which exhibit hazardous characteristics (i.e., ignitability, corrosivity, reactivity, or toxicity).
- Solid wastes specifically listed by the Agency as being hazardous.
- A waste that is considered a declared waste.
- A waste mixed with a known hazardous waste.

The toxicity characteristic identifies wastes that are most likely to leach hazardous concentrations of certain toxic contaminants into groundwater under improper storage conditions. The toxicity of a waste can be determined by applying the TCLP, a test designed to simulate the leaching of toxic contaminants.

4.0 PILOT STUDY ACTIVITIES

Prior to the initiation of any of the field activities, McTech Corp prepared a Site Specific Health and Safety Plan (SSHP) in compliance with the U.S. Army Corps of Engineers, Safety and Health Requirements Manual, EM 385-1-1, latest version, and the Department of Labor, Occupational, Safety and Health Administration (OSHA) as presented in Title 29 of the Code of Federal Regulations, Part 1910.120.

In addition, McTech Corp prepared a Quality Control Plan (QCP) that covered all products and activities associated with this pilot study. The QCP was prepared according to the applicable ISO 9000 process as identified at www.lrh.usace.army.mil/ct/quality.

McTech also prepared a Plan of Operation for the field activities that were to be performed. This Plan detailed all aspects of the study to ensure that the assumptions made could be thoroughly investigated and analyzed taking into consideration the variable parameters.

4.1 Field Procedures

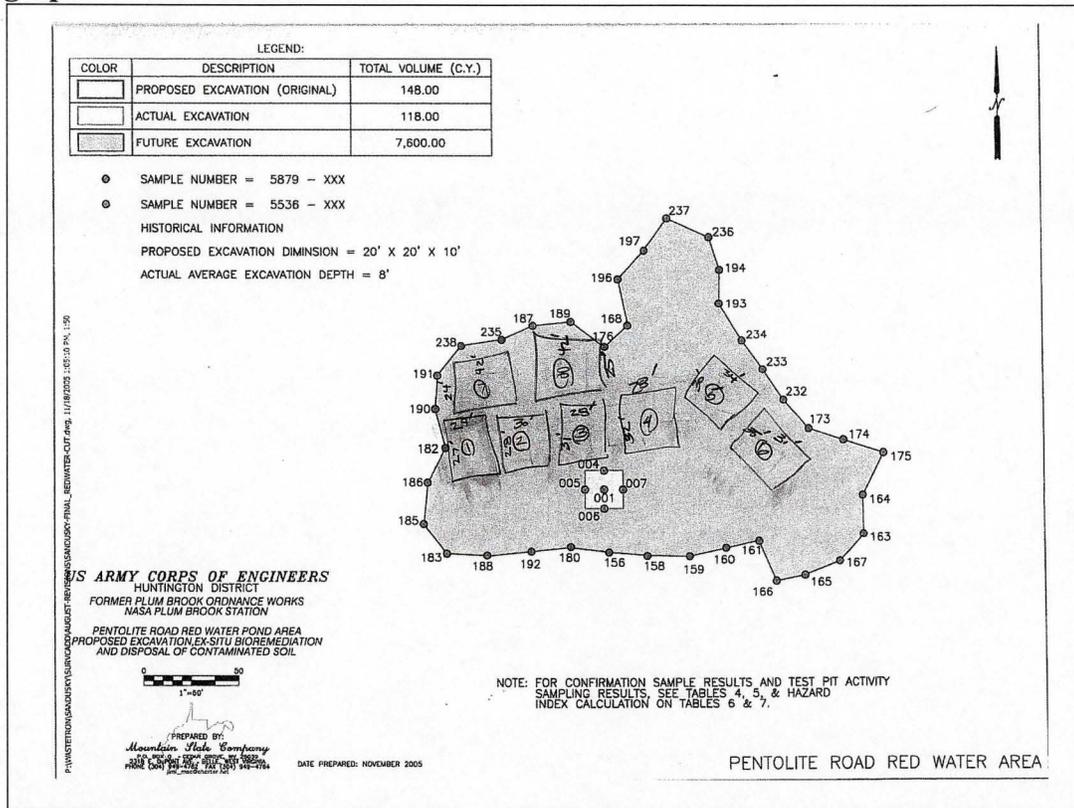
The *Final Interim Soil Removal Action Report for Pentolite Road Red Water Ponds (WTI, May 2006)* identified the surveyed limits for the proposed excavation. McTech utilized this report in obtaining information to survey/stake the limits prior to tilling. These areas were also surveyed after the excavation/tilling was completed. McTech applied for the digging and excavation permit that was submitted to the PBOSG on November 27, 2006. This permit was subsequently approved and issued on November 30, 2006.

McTech began clearing/grubbing activities for the excavation and tilling areas on December 11, 2006. The excavation area was marked and measured as 23 feet by 30 feet. McTech used an excavator to begin the digging activities. The soils were removed in approximately one foot lifts. Each lift was segregated into individual treatment piles. Each of the piles was nearly uniform size consisting of 25-26 cubic yards. The piles were located such that each was within the study area and there was sufficient area to maneuver in and around each pile. The segregation was completed and all eight piles were marked, labeled, and brought to uniform thickness. The treatment study area was also marked with safety tape. Appendix A of this report contains the detailed site maps.

Photograph 1 – Prepared Excavation



Photograph 2 – Pile Location Sketch

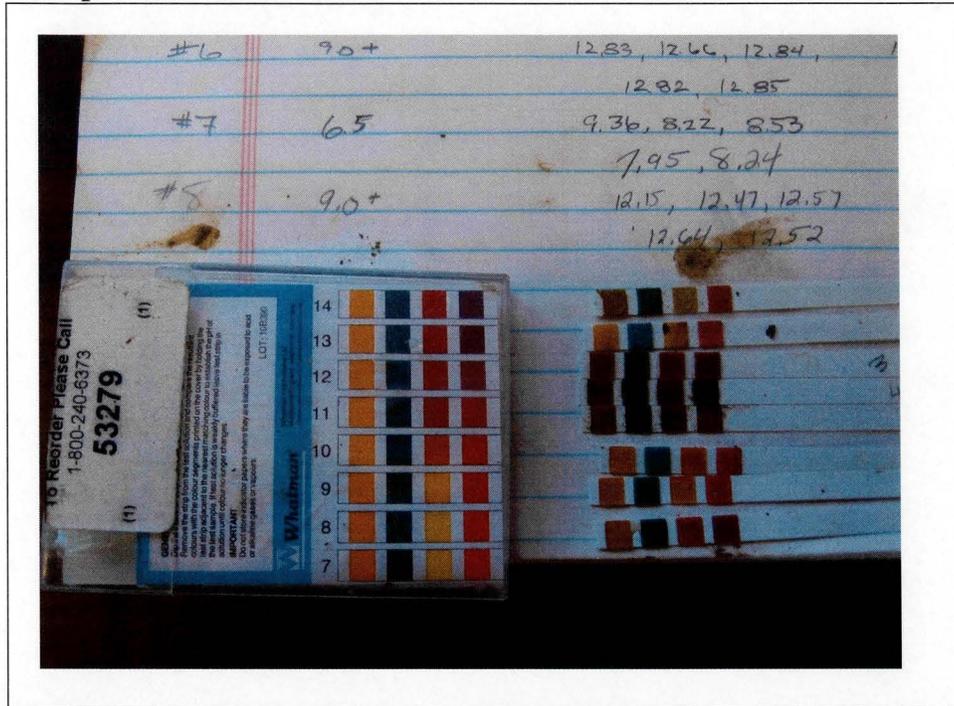


Since this pilot study was to compare the results achieved via alkaline hydrolysis on a periodic basis (once per week addition), a continuing basis (sustained elevated pH), and the control plot, Piles #1 and #7 were identified as the Control Piles. Piles #2 and #8 were identified as the weekly treatment piles, and the remaining piles, #3 through #6 were identified as the daily treatment piles.

The soils were allowed to come to ambient conditions over the following weekend. On December 18, 2006 initial samples were obtained from each of the eight piles using a five point sampling scheme. Procedures used for sampling, packaging, shipping and analysis are included below. The samples were submitted to REIC laboratories for analysis of nitroaromatics, pH, and moisture content. In addition, field analysis for pH began for each treatment pile.

All areas associated with this study, including the excavation, treatment piles, maneuvering areas, and staging areas, lie within the defined limits of nitroaromatic-impacted soil in the PRRWP site. Run-on and run-off was not deemed to be of concern since all potential impacts would be to previously identified impacted soils.

Photograph 3 – pH Measurement



On December 19, 2006, the lime treatment and tilling began. Hydrated lime had been delivered to the site in 50 pound bags. This application rate was based on the Plan of Operation and on previous laboratory studies, five bags of lime, 250 pounds, were added to all the piles except the control piles. The lime was spread by hand and then tilled using a skid steer with a tiller attached.

Photograph 4 – Lime Application



Photograph 5 – Mechanical Tilling



This procedure of lime addition, tilling, and sampling continued over the next six week period. Based on the daily field pH measurements it was realized that the lime application rate could be reduced. On January 4, 2007 the application rate was reduced to 150 pounds per pile. Throughout the study, Piles #1 and #7 served as the control and were managed as the other piles except no lime was added. Piles #2 and #8 served as the weekly tests. The lime was added once per week, with tilling and pH measurements performed daily. The remaining piles had the lime added daily.

Site closure activities at the conclusion of the study are detailed below in Section 4.3 of this report. It should be noted that on weekend days, holidays, (Christmas and New Years Day), and during inclement weather no lime application or tilling took place.

4.2 Sample Collection and Shipment

All sampling was done in accordance with USEPA protocol. Five-point composite samples were collected on a weekly basis from each of the treatment piles. A total of forty eight (48) samples were collected and analyzed for nitoraromatics, pH, and moisture. All samples were labeled in the field and care was taken to assure that each sample container was properly labeled. The labels contained the information:

- Site location and project number
- Sample Identification number assigned sequentially as described below
- Description of the sample
- Time and date sample was taken
- Notation of whether preservatives were added to the sample and type of preservative

- Type of sample (such as a grab or composite)
- Type of analysis requested

Sample numbers were assigned sequentially and include the project number and pile number from which the soil was sampled. For example: 200614M-P1-001, 200614M-P1-002, 200614M-P2-001, and so on.

Photograph 6 - Sampling



Chain-of-custody procedures provided documentation of the handling of each sample from the time it was collected until analysis was completed. Chain-of-custody procedures were implemented so that a record of sample collection, transfer of samples between personnel, sample shipping, and receipt by laboratory that analyzed the sample was maintained. The chain-of-custody was filled out on-site and included the following information:

- Project number
- Project manager
- Site location
- Client contact
- Description of the sample
- Time and date sample was taken
- Notation of whether preservatives were added to the sample
- Type of preservative

- Type of sample such as a grab or composite
- Matrix of sample
- Sample number or ID assigned in the field
- The appropriate analytical parameters to be tested

The sampler signed the chain-of-custody and all sample containers were transported with a chain-of-custody form. The samples were then prepared and shipped using the following procedure.

- Each sample container was placed in a separate plastic bag and sealed. As much air, as possible will be squeezed from the bag prior to sealing. Sample containers and bags were sealed with evidence tape or custody seals.
- A picnic cooler was used as the shipping container. In preparation for shipping samples, the drain plug on the cooler was taped shut from the inside and outside, and a large plastic bag was used as a liner for the cooler. Inert packing material was placed in the bottom of the liner.
- The sample containers were placed upright in the lined picnic cooler in such a way that they would not touch and would not touch during shipping.
- All samples were shipped to the laboratory on ice and chilled to 4 °C.
- Plastic ice packs or ice placed in double plastic bags were placed around, among, and on top of the sample containers.
- The paperwork going to the laboratory was placed inside a sealed plastic bag, which was taped to the inside lid of the cooler.
- The cooler was taped shut with strapping tape.
- At least two signed custody seals were placed on the cooler lid (one in front, the other on the side).

4.3 Site Restoration

At the completion of this pilot study and with the approval of the OEPA all excavated soils were returned to the original excavation. All disturbed areas were seeded with common grasses found within the PRRWP area. The area was graded to help prevent ponding. The following Photograph 7 depicts the backfilled excavation. All disturbed areas were seeded and mulched.

Photograph 7 – Site Restoration



During this study, minimal Investigation Derived Waste (IDW) was generated. This material consisted of disposable sampling equipment, disposable personal protective equipment, and empty lime bags. Due to the nature of this IDW, it was collected and disposed of as onsite solid waste and disposed of at Erie County Landfill.

4.4 Field Documentation

During the field excavation and tilling activities, daily Quality Control Reports (QCR) were prepared, dated, and signed by the On-site Project Manager or the QCO. McTech utilized the USACE QCR Report Form. The QCR are included in Appendix C of this report. The following information was recorded on the QCR:

- Weather information
- Field instrument measurements
- Departures from the approved plans (any deviation that may affect data quality objectives must be conveyed to the USACE immediately)
- Personnel on-site and their job activities
- Any problems encountered
- Instructions from government personnel
- Field photo descriptions

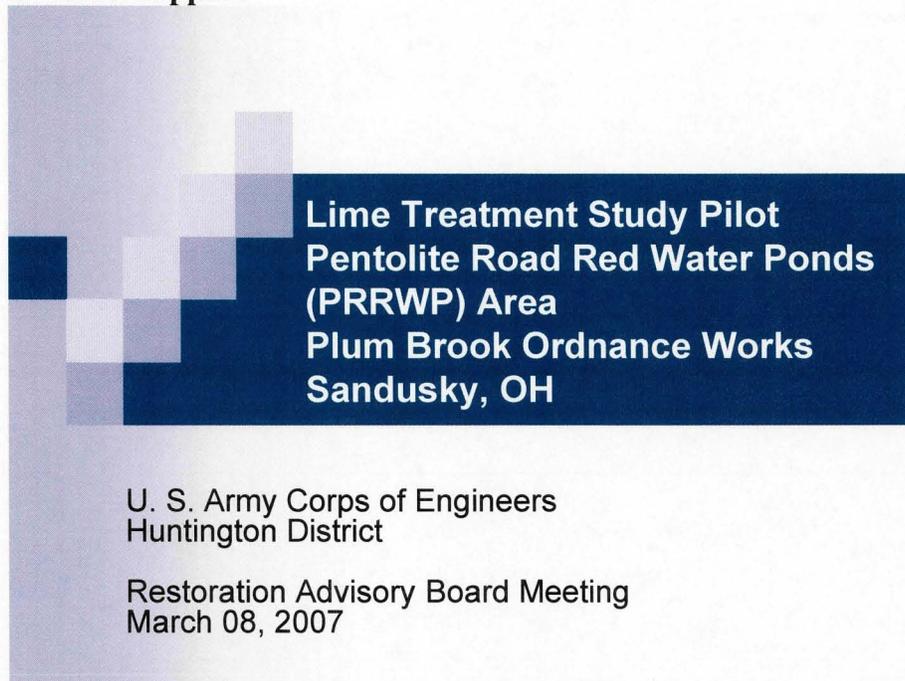
A digital camera was used to provide photographic documentation of all site activities. Photographs were taken of all site activities. The photos are included throughout this report and in Appendix A.

In addition, daily records were maintained concerning all sample collection, amount of lime added, and pH measurements of each pile. The pH measurements made and recorded are detailed below in Section 5.1 of this report.

4.5 Restoration Advisory Board Support

McTech supported USACE project manager on March 8, 2007 during the RAB meeting held in the Sandusky, OH area. McTech prepared a brief PowerPoint presentation, including handouts to discuss the work performed under this contract and highlighted the accomplishments obtained.

Photograph 8 – RAB Support



5.0 ANALYTICAL RESULTS

McTech used Research Environmental and Industrial Consultants (REIC) Laboratory of Beaver, West Virginia to perform the analytical testing for the confirmation and waste characterization samples associated with this project. REIC is a USACE certified laboratory. REIC's detection and quantitation limits are based upon their minimum detection limit (MDL) studies and are specific for each media and the instrumentation that is being used. The laboratory followed the most currently promulgated EPA methods.

5.1 Field Measurements

Field pH measurements were made daily on each pile. Over the course of this study three different types of instruments and measurements were used. A Rapidtest pH meter, an Extick II pH meter, and pH indicator paper was used. This was done to evaluate the effect of the different instruments. The following tables show the daily results of these field measurements.

Table 2 – Field pH using Rapidtest

Measured pH using Rapidtest pH Meter									
Date/Pile	Control		Weekly		Daily				
	1	7	2	8	3	4	5	6	
20-Dec									
21-Dec	7.4	7.1	9	7	9	9	9	9	
26-Dec	7.5	7.5	9	7.5	9	9	9	9	
27-Dec	9	8	9	8	9	9	9	9	
28-Dec	7.2	7	8	7	9	9	9	9	
29-Dec	7.5	7	7.5	9	9	8.5	9	9	
3-Jan	7	7	7.4	6.9	8.5	9	8	9	
4-Jan	6.7	9	7	6.6	9	9	9	9	
8-Jan	7	6.5	9	9	9	9	9	9	
9-Jan	7	6.5	8.2	6.5	9	9	9	9	
10-Jan	7	6.5	9	9	9	9	9	9	
11-Jan	7	6.5	9	9	9	9	9	9	
12-Jan	7	6.75	9	9	9	9	9	9	
16-Jan	6.5	6	9	9	9	9	9	9	
17-Jan	7	6.75	9	9	9	9	9	9	
19-Jan	7	7	9	9	9	9	9	9	
22-Jan	7	7	9	8	9	9	9	9	
23-Jan	7	8	9	9	9	9	9	9	
24-Jan	7	6.5	7	9	9	9	9	9	
25-Jan	7	7.5	9	9	9	9	9	9	

Table 3 – field pH using Extick II

Measured pH using Extstick II pH Meter									
Date/Pile	Control		Weekly		Daily				
	1	7	2	8	3	4	5	6	
20-Dec									
21-Dec									
26-Dec									
27-Dec									
28-Dec									
29-Dec									
3-Jan	7.5	7.365	11.555	7.215	12.27	11.49	10.365	10.94	
4-Jan	7.875	10.57	9.37	7.68	12.8875	12.64	12.09	12.01	
8-Jan	8.102	8.46	12.74	12.47	12.656	12.782	12.762	12.8	
9-Jan	8.522	8.192	9.026	7.896	12.558	10.776	12.258	12.712	
10-Jan	8.18	7.422	11.07	9.45	12.716	11.238	12.302	11.594	
11-Jan	7.854	7.804	12.378	12.256	12.382	12.324	11.732	12.422	
12-Jan	8.14	8.114	12.286	10.472	12.424	12.33	10.976	12.27	
16-Jan	7.72	8.036	12.206	11.868	12.354	12.44	12.42	12.334	
17-Jan	8.066	7.596	12.17	11.314	12.17	12.41	12.194	12.338	
18-Jan	7.906	8.11	12.274	11.626	12.238	12.372	11.908	12.212	
22-Jan	7.624	7.766	11.518	8.852	11.896	10.104	12.158	12.18	
23-Jan	7.624	7.964	12.722	12.078	12.72	12.896	12.858	12.606	
24-Jan	7.914	8.146	12.418	11.962	12.724	12.738	12.81	12.714	
25-Jan									

Table 4 – Field pH using Indicator Paper

Measured pH using Indicator Paper									
Date/Pile	Control		Weekly		Daily				
	1	7	2	8	3	4	5	6	
20-Dec									
21-Dec									
26-Dec	8	8	11	8	11	11	12	12	
27-Dec	9	9	11	9	12	12	11	12	
28-Dec	8	10	10	8	11	11	12	11	
29-Dec	8	9	10	11	13	12	12	13	
3-Jan	7	7	11	7	12	11	10	10	
4-Jan	7	7	7	7	12	12	11	11	
8-Jan	7	6.5	9	9	9	9	9	9	
9-Jan	7	6.5	8.2	6.5	9	9	9	9	
10-Jan	7	5.5	8.5	5.5	9	9	9	9	
11-Jan	8	8	13	13	12	14	13	12	
12-Jan	8	9	13	12	13	13	12	11	
16-Jan	7	7	12	11	13	13	13	12	
17-Jan	7	8	13	12	12	13	13	12	
18-Jan	7	8	12	12	12	13	12	12	
22-Jan	7	7	11	10	12	12	12	11	
23-Jan	7	7	12	10.5	11	12	11	11	
24-Jan	7	8	12	12	12	12	12	12	
25-Jan	7	8	12	12	12	13	12	12	

It should be noted that no significant difference in relative pH measurements were seen. However, the Rapidtest Meter only recorded a pH as high as 9.0. In addition, based on these measurements, the lime application rates were sufficient to increase the pH to the levels necessary for the anticipated alkaline hydrolysis of the impacted soils. The levels obtained were such that on January 4, 2007 the rate was reduced from 250 pounds per pile per application to 150 pounds and on January 23, 2007 further reduced to 100 pounds per application. For further discussion, see Section 6.0 Conclusions, of this report.

5.2 Laboratory Measurements

McTech collected representative samples from each of the eight treatment piles. The first sample was collected prior to the addition of the lime. Subsequent samples were collected on a weekly basis for a six week period. These samples were analyzed for nitroaromatic constituents including the single COC, 2,4,6 TNT using approved EPA Methods. In addition, soil pH and moisture content were measured. The results of the analytical results are included in Appendix B of this report. The following tables summarize the results of the weekly analysis. Table 5 shows the Control Piles #1 and #7. Table 6 shows the Weekly Piles #2 and #8. Table 7 shows the Daily Piles #3 and #4. Table 8 shows the Daily Piles #5 and #6. Table 9 shows the TNT concentrations of each pile throughout the study. Laboratory pH analysis confirmed the elevated levels throughout the study. These were used to justify the reductions made to the application rate.

Table 5 – Analytical Results of Control Piles #1 and #7

PILE # 1 – CONTROL									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
Ph	7.44	6.85	6.98	7.72	7.03	7.2	SU	SW9045C	na
Moisture	20	21	21	21	20	22	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	ND	3.06	ND	ND	0.735	0.575	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	0.785	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
PILE # 7 – CONTROL									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
Ph	7.85	7.65	8.06	8.19	8.53	8.32	SU	SW9045C	na
Moisture	21.0	22	26	24	24	24	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	18.2	14.9	29.6	ND	26	23.2	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	8.7	6.46	10.8	8.22	11.5	10.8	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	114	46.1	20.6	18.3	31.9	24.4	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	17.8	11.8	32.6	19.8	31.1	25	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	2.26	1.52	5.3	2.92	ND	3.53	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	1.57	1.38	3.34	7.15	4.22	9.78	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5

Table 6 – Analytical Results of Weekly Piles #2 and #8

PILE # 2 - WEEKLY									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
pH	7.92	10.5	9.83	11.8	11.9	11	SU	SW9045C	na
Moisture	19	21	19	23	21	22	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	ND	ND	0.785	ND	ND	ND	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	11.8	19.3	154	37.7	4.2	1.19	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	ND	0.94	1.52	1.48	0.53	ND	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	0.53	0.725	1.14	0.6	0.64	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
PILE # 8 - WEEKLY									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
Ph	8	8.9	11.1	12	11.6	11.8	SU	SW9045C	na
Moisture	19	24	23	26	26	24	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	14.5	18.9	1.3	ND	ND	ND	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	7.12	14.5	12.4	7.66	7.62	8.96	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	15.3	6.62	ND	1.79	ND	ND	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	12.4	31	19.7	14	12	13	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	1.72	4.64	3.28	1.94	1.76	2.43	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	0.735	2.71	8	1.67	1.76	6.84	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	2.76	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5

Table 7 – Analytical Results of Daily Piles #3, and #4

PILE #3 - DAILY									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
Ph	8.16	11.3	10.6	12.1	12.1	11.9	SU	SW9045C	na
Moisture	18	18	17	22	23	23	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	17.4	15.6	18.8	14.4	45.4	29.5	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	2.35	2.18	2.3	1.16	7.94	3.47	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	2940	3040	5040	427	7640	609	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	27.6	17.1	29.9	6.3	45.3	19.2	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	5.01	5.39	9.67	3.75	21.4	11.7	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	5.48	ND	7.37	3.2	10	10.9	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	ND	1.62	1.76	1.35	ND	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	2.92	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	2.99	ND	ND	ND	ND	mg/kg	SW8330	0.5
PILE #4 - DAILY									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
	8.17	10.1	11.3	12.3	12.3	12.1	SU	SW9045C	na
Moisture	19	20	27	25	24	24	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	66.8	40.8	111	67.3	13.9	29.3	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	15.5	6.82	8.77	5.66	4.94	5.26	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	22300	4600	2800	492	298	2340	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	121	53.4	61.5	22.9	19.2	25.2	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	28.8	11	19.4	10.8	5.9	10.6	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	28.8	15.3	11.1	13	6.83	ND	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	ND	1.44	3.26	0.7	ND	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	1.39	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5

Table 8 – Analytical Results of Daily Piles #5, and #6

PILE #5 – DAILY									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
pH	7.67	12.3	11.8	12.3	12.4	12.3	SU	SW9045C	na
Moisture	19	23	21	27	26	23	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	80	7.78	8.67	2.29	2.54	ND	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	13.9	6.04	4.9	2.5	3.08	2.52	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	3080	544	11.7	33.4	175	41.3	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	85.8	7.14	10.4	8.78	5.99	4.12	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	17.6	3.98	3.2	2	2.96	2.66	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	27.8	4.58	7.96	8.51	ND	4.06	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	3.32	ND	ND	ND	4.17	mg/kg	SW8330	0.5
4-Nitrotoluene	7.72	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
PILE #6 – DAILY									
Analysis	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
	7.85	12.3	12.5	12.4	12.4	12.4	SU	SW9045C	Na
Moisture	21	24	26	26	28	29	wt %	SM2540B	0.5
1,3,5-Trinitrobenzene	18.2	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
1,3-Dinitrobenzene	8.7	5.1	4.7	3.73	4.38	3.01	mg/kg	SW8330	0.5
2,4,6-trinitrotoluene	114	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2,4-Dinitrotoluene	17.8	2.78	4.42	3.62	4.04	2.46	mg/kg	SW8330	0.5
2,6-Dinitrotoluene	2.26	2.04	1.6	1.11	2.28	1.51	mg/kg	SW8330	0.5
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
2-Nitrotoluene	1.57	2.24	3.17	4.83	2.09	4.3	mg/kg	SW8330	0.5
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
HMX	ND	ND	0.99	ND	ND	ND	mg/kg	SW8330	0.5
Nitrobenzene	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
RDX	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5
Tetryl	ND	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5

Table 9 – Analytical Results of COC (TNT)

2,4,6-Trinitrotoluene	12/18/2006	12/29/2006	1/4/2007	1/11/2007	1/18/2007	1/25/2007	Units	Qual	PQL
Pile #1 - Control	ND	3.06	ND	ND	0.735	0.575	mg/kg	SW8330	0.5
Pile #7 - Control	114	46.1	20.6	18.3	31.9	24.4	mg/kg	SW8330	0.5
Pile #2 - Weekly	11.8	19.3	154	37.7	4.2	1.19	mg/kg	SW8330	0.5
Pile #8 - Weekly	15.3	6.62	ND	1.79	ND	ND	mg/kg	SW8330	0.5
Pile #3 – Daily	2940	3040	5040	427	7640	609	mg/kg	SW8330	0.5
Pile #4 – Daily	22300	4600	2800	492	298	2340	mg/kg	SW8330	0.5
Pile #5 – Daily	3080	544	11.7	33.4	175	41.3	mg/kg	SW8330	0.5
Pile #6 – Daily	114	ND	ND	ND	ND	ND	mg/kg	SW8330	0.5

6.0 CONCLUSION

This study was undertaken to investigate the potential to reduce the contamination of TNT in soils that have been impacted by explosives manufacturing. Laboratory studies have shown that alkaline hydrolysis may be viable alternative technology for the cleanup and remediation of contaminated properties. This study applied those laboratory results in a field trial application.

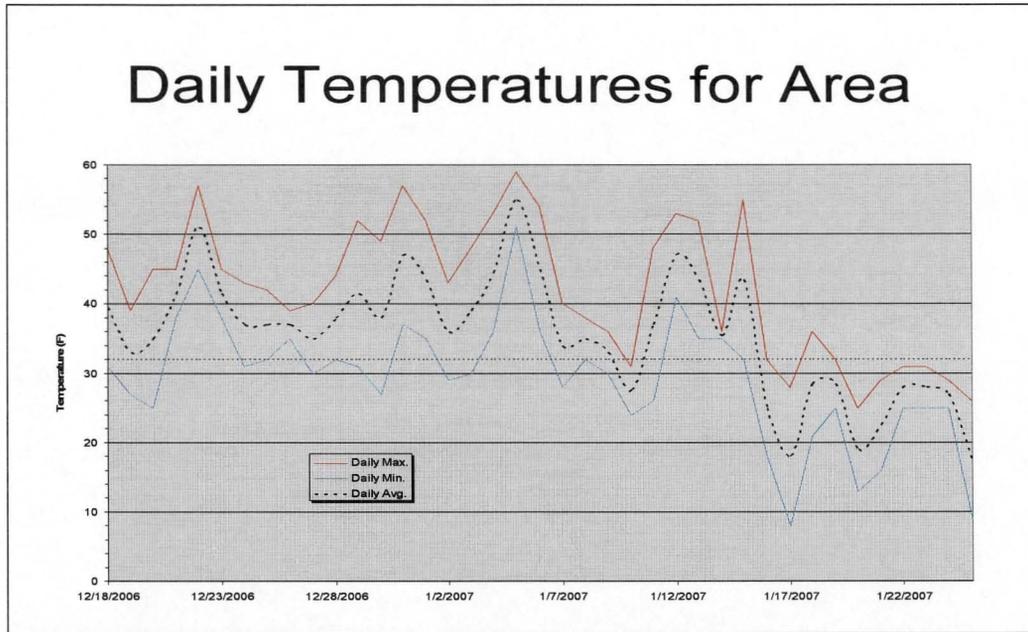
This study was designed to account for as many parameters as possible such as soil moisture content, precipitation, lime application frequency, lime application amount, field pH, laboratory pH, and cross contamination. By using the top foot of soil which was virtually free of TNT, as one of the control piles, cross contamination was shown not to have occurred.

Soil moisture content did not significantly vary during this study even though there were several instances where inclement weather prevented the application of lime and tilling. The average moisture content of each pile throughout the study ranged from 20.2 to 25.6 percent.

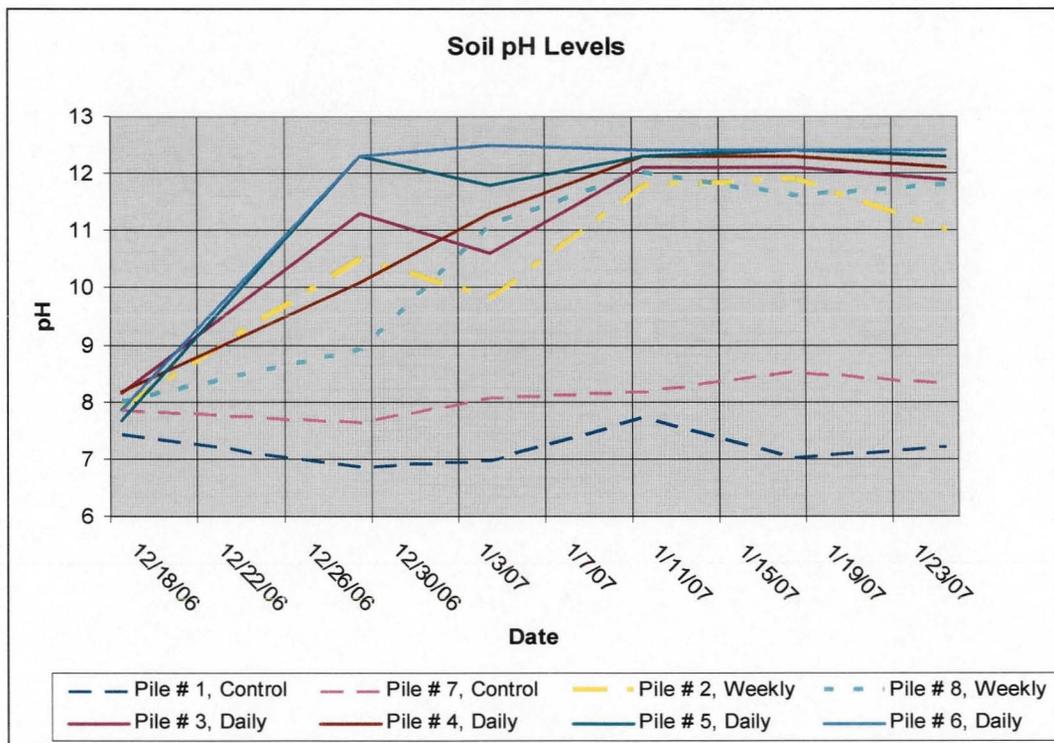
The daily maximum and minimum temperatures throughout the study were recorded. Graph 1, Daily Temperatures for Area, shows the variations recorded. When looking at the temperature affect, it appears that the temperature itself played little or no role in the rate or effectiveness of the reductions. More significant was the affect that the reduced temperature had on the field activities. For example, the frozen ground made it harder to till.

Soil pH measurements were made to verify the effectiveness of the lime application amounts and frequencies in establishing the alkaline conditions within each pile. At the beginning of the study, the pH of the piles were nearly the same. The control piles maintained a pH between 7 and 8.5. The weekly piles took nearly half the study to reach a pH of 12, while two of the daily piles reached a pH of 12 in half the time. Graph 2 depicts the soil pH as measured from the laboratory samples. It appears that the soil pH has a significant role in the reduction of the TNT and the resulting breakdown products. The measured TNT peaks in piles #2 and #3 match closely with the measured reduction in the pH. In the piles which maintained a pH above 12, greater reductions in TNT and the breakdown products were measured.

GRAPH 1



GRAPH 2



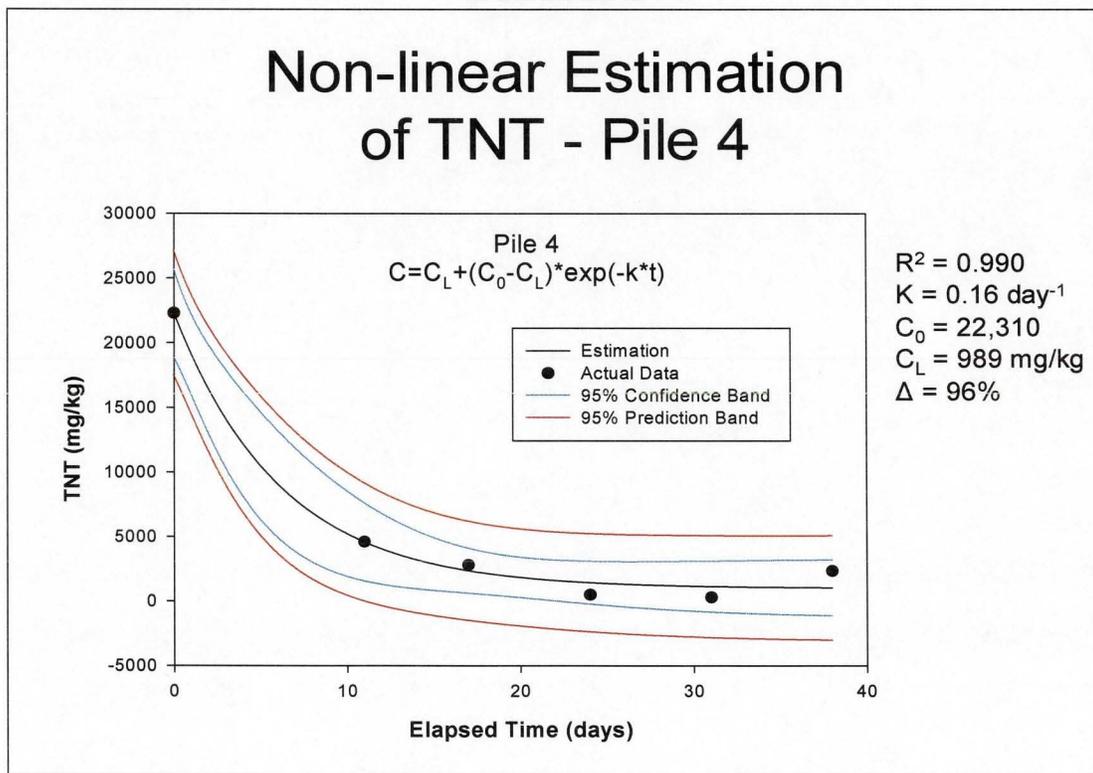
The control piles were excavated, handled, and tilled the same as the treatment piles. However, no lime was added. As noted above, one of the Control Piles was used to ensure no cross contamination was being done. The other Control Pile demonstrated that the manipulation of the soil pile, tilling, assisted in the natural breakdown of the TNT in the soil with a 79% decrease. However, the DNT concentrations increased on the order of 50% to 60%. The most notable increase in breakdown products was a near 500% increase in 2-Nitrotoluene.

The weekly piles had a total of 1000 pounds of lime added to each pile over the course of the study. This application was done on five separate occasions. The results obtained in these piles showed significant reductions in TNT concentrations on the order of 84 % to 100%. However, increased concentrations of DNT ranged in the order of 5% to 40%. In addition, measurable amino compounds were noted during the study. As with the control piles, the most notable increase in breakdown products was 2-Nitrotoluene at nearly 800% increase.

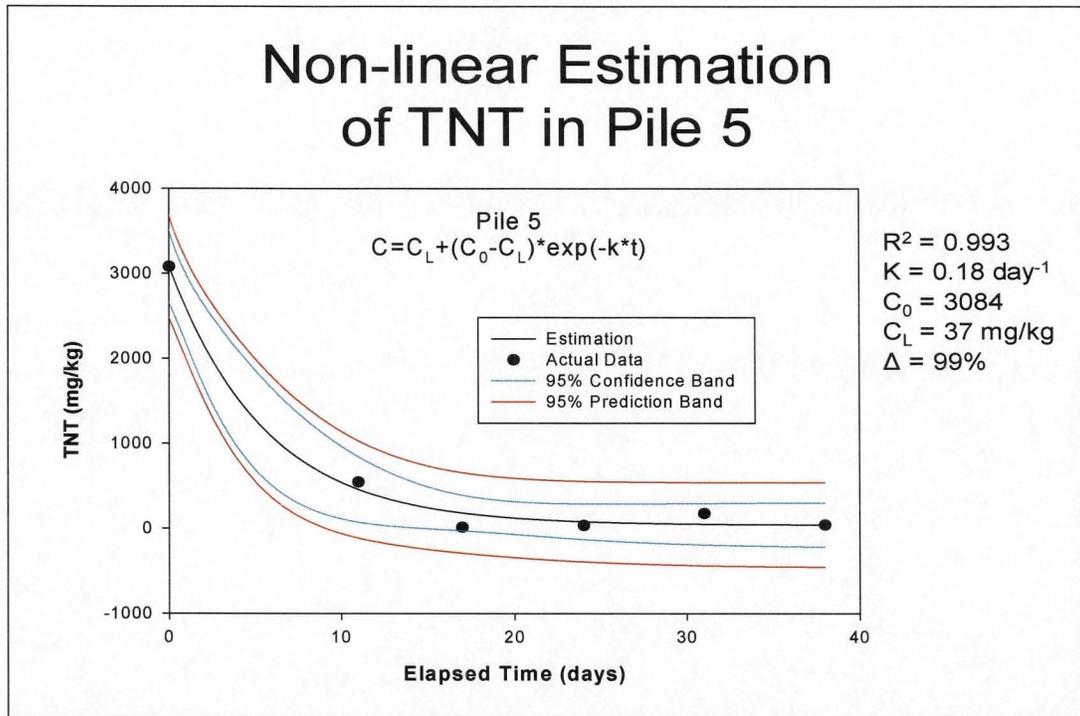
The daily piles underwent lime addition on 10 separate occasions with a total application of 1900 pounds of lime per pile. The results for these piles showed that the TNT reductions were even more significant. The overall reductions in TNT concentrations ranged in the order of 90% to nearly 100% (below laboratory detectable levels), with the exception of pile #3 which showed a significant variability. It should be noted that the pH level for this pile also showed the greatest variability. Contrary to the control piles and the weekly piles, the daily treatment piles showed significant reduction in the breakdown products including the DNT. These ranged in the order of 32% to 95%. It should also be noted that the extreme increases in 2-Nitrotoluene noted in the control and weekly piles did not happen. In most cases this parameter also decreased to a level that was not detectable.

The Mann-Kendall test was used to detect significant trends in the data. This test involves computing a statistic S, which is the difference between the number of pair wise slopes that are positive minus the number that are negative. If S is a large positive value, then there is evidence of an increasing trend in the data. If S is a large negative value, then there is evidence of a decreasing trend in the data. The most dramatic results were obtained in piles #4 and #5. The following graphs illustrate the reductions in TNT obtained.

GRAPH 3



GRAPH 4



This study confirmed the results of previous laboratory test that by raising the pH level of TNT contaminated soils, alkaline hydrolysis is an effective alternative for the treatment of those soils. The results indicate that by maintaining a pH level above 12, significant reductions are achieved not only for the TNT contamination, but also for DNT and other breakdown products.

7.0 RECOMMENDATIONS

Based on the results of this pilot study, it is recommended that;

1. Additional study should be performed utilizing a longer time frame to allow and measure the full effect of the alkaline hydrolysis in obtaining a level below the PRG of 13.8mg/kg.
2. The target pH level should be raised and maintained to a minimum of 12 pH units to determine the full effect on the breakdown products including the DNT and amino compounds.
3. The additional study should be performed in the drier periods of the year to verify the soil moisture affect.
4. The additional study should take into account all holidays and potential interruptions of non-work days and ensure the lime application is adjusted to ensure no decreased pH level is obtained.
5. A pH instrument should be available at the onset of the study that can measure the full pH range.
6. The treatment material should be homogenized prior to pile establishment to ensure that the piles contamination levels are more consistent and more reproducible.
7. Tiling should be a parameter investigated to verify its affect on the control piles.

8.0 REFERENCES

The following reference materials were used in compiling the information contained in this plan and/or were be used in other documents associated with this project.

40 CFR Part 261, *Identification and Listing of Hazardous Waste*, United States Environmental Protection Agency

CELRHR 5-2-7, *Quality Management Plan*, U.S. Army Corps of Engineers, May, 1999

EM 200-1-2, *Technical Project Planning Process*, U.S. Army Corps of Engineers, August 1998

EM 200-1-3, *Requirements for the Preparation of Sampling and Analysis Plans*, U.S. Army Corps of Engineers, February 2001

EM-200-1-6, *Chemical Quality Assurance for Hazardous, Toxic and Radioactive Waste Projects (HTRW)*, U.S. Army Corps of Engineers, October 1997

ER-1110-1-263, *Chemical Data Quality Management for Hazardous Waste Remedial Activities*, U.S. Army Corps of Engineers, April 1998

ER 1165-2-132, *HTRW Guidance for Civil Works Projects*, U.S. Army Corps of Engineers, June 1992

ERDC/EL TR-03-15, September 2003, *Lime Treatment of 2,4,6-Trinitrotoluene Contaminated Soils: Proof of Concept Study* U.S. Army Corps of Engineers, September 2003

ESTCP website:

<http://www.estcp.org/projects/compliance/200216o.cfm>

"Final Action Memorandum for Interim Removal Action for Pentolite Road Red Water Ponds", USACE, June 2003

"Final Interim Soil Removal Action Report for Pentolite Road Red Water Ponds", WTI, May 2006

"Final Plan of Operations for Pentolite Road Red Water Ponds, Lime Treatment Pilot Study", McTech, October 2006

"Final Quality Control Plan for Pentolite Road Red Water Ponds, Lime Treatment Pilot Study", McTech, October 2006

"Final Site-Specific Safety and Health Plan for Pentolite Road Red Water Ponds, Lime Treatment Pilot Study", McTech, October 2006

Kinetics of the Alkaline Hydrolysis of Important Nitroaromatic Co-Contaminants of 2,4,6 Trinitrotoluene in Highly Contaminated Soils, Monika Emmrich, Environmental Science and Technology/Bol 35, No 5, pgs 874-877, 2001

Remedial Investigation, Volume I-Report of Findings, IT Corporation, August 2001

Remedial Investigation, Volume III-Ecological Risk Assessment, IT Corporation, August 2001

Scope of Work for In Situ Lime Treatment Pilot Study, Plum Brook Ordnance Works, Pentolite Road Red Water Ponds, Sandusky, Ohio, USACE, September 2006

Site Investigation Final Report, Dames and Moore, April 1997

United States Environmental Protection Agency, web site at
<http://www.epa.gov>

APPENDIX A

SITE PLANS & PHOTOGRAPHS

LEGEND:	
COLOR	DESCRIPTION
	EXCAVATION PIT
	CONTROL PILE
	WEEKLY TREATMENT PILE
	DAILY TREATMENT PILE

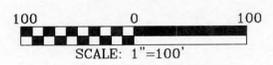


US ARMY CORPS OF ENGINEERS

HUNTINGTON DISTRICT

**FORMER PLUM BROOK ORDNANCE WORKS
NASA PLUM BROOK STATION**

**PENTOLITE ROAD RED WATER POND AREA
LIME TREATMENT STUDY**



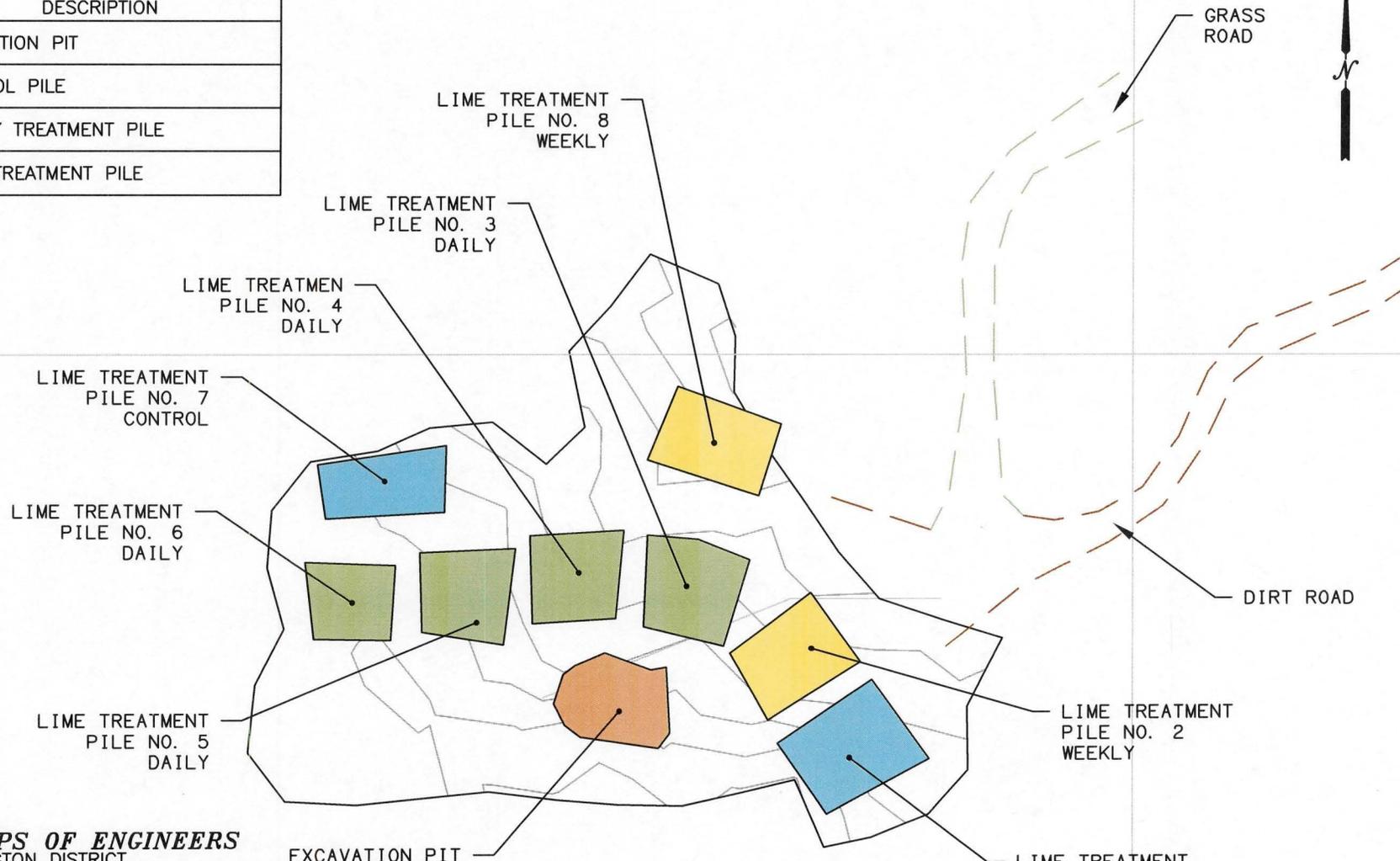
PREPARED BY:
Mountain State Company
P.O. BOX 0 • CEDAR GROVE, WV 25039
2318 E. DuPONT AVE. • BELLE, WEST VIRGINIA
PHONE (304) 949-4762 FAX (304) 949-4764

DATE PREPARED: MAY 2007

**PENTOLITE ROAD RED WATER POND AREA
LIME TREATMENT STUDY**

LEGEND:

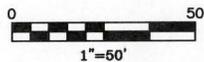
COLOR	DESCRIPTION
	EXCAVATION PIT
	CONTROL PILE
	WEEKLY TREATMENT PILE
	DAILY TREATMENT PILE



US ARMY CORPS OF ENGINEERS
HUNTINGTON DISTRICT

FORMER PLUM BROOK ORDNANCE WORKS
NASA PLUM BROOK STATION

PENTOLITE ROAD RED WATER POND AREA
LIME TREATMENT STUDY



PREPARED BY:
Mountain State Company
P.O. BOX 0 • CEDAR GROVE, WV 25039
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jiml_mac@charter.net

DATE PREPARED: MAY 2007

PENTOLITE ROAD RED WATER AREA
LIME TREATMENT STUDY

P:\MTECH\SANDUSKY-REDWATER\DWG.dwg, 1:50



Staked Excavation Area



Excavation Marking



Excavation Area



Initial Excavation



Excavated First Lift



Excavated Second Lift



Excavated Third Lift



Excavated Seventh Lift



Excavated Eighth Lift



Secured Excavation



Treatment Piles



Initial Spreading & Tilling



Lime Application



Lime Application



Lime Application



Lime Application



Tilling



Tilling



Tilling



Tilling

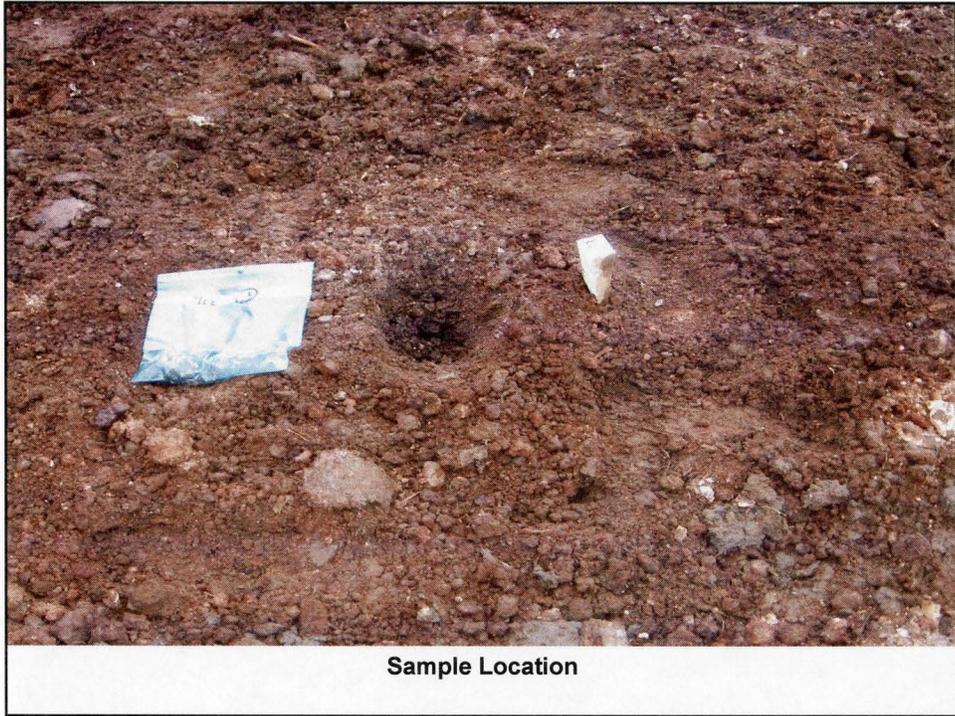




Inclement Weather



Inclement Weather



Sample Location



Sample Location



Sample Location



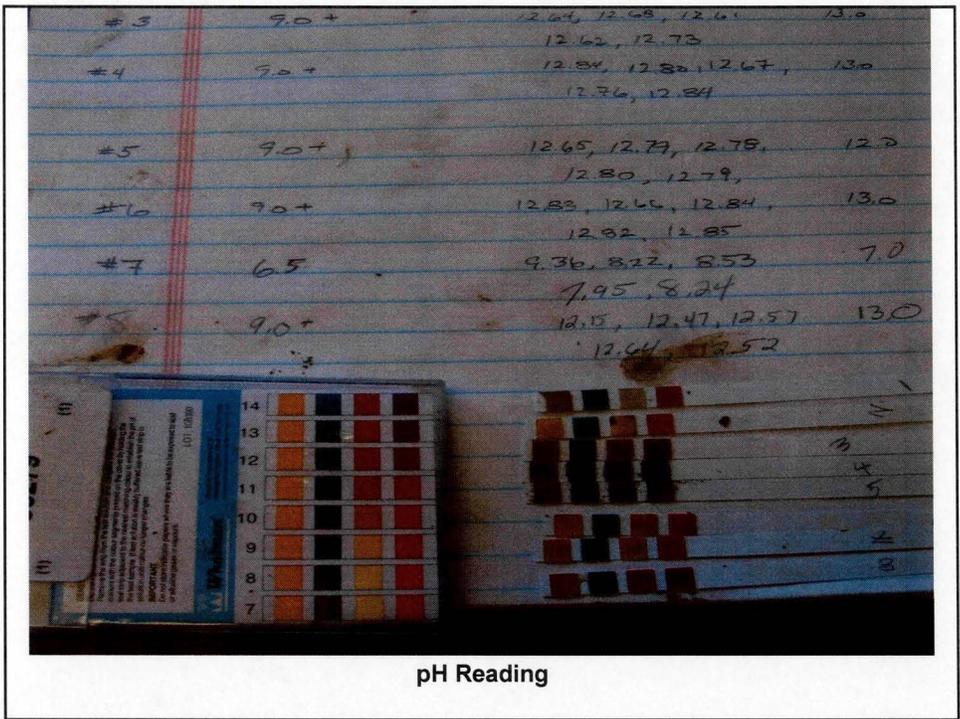
Sample Location



Sample Location



Typical Sample



pH Reading

APPENDIX B

**LABORATORY ANALYTICAL
RESULTS**

MS. KIM CHAMBERS
MC TECH CORP.

Project: 200614M
Site ID: PRRWP-LIME TREATMENT

REI Job #: 0612B38

-Level II Data Package-

RECEIVED
MC TECH
FEB 22 2007

Index

- *Case
Narrative*
- *Analytical
Results*
- *Chain-of-
Custody*
- *Level II
QC
Summary*

MC TECH CORP

REIC Work Order: 0612B38

Case Narrative

CLIENT: MC TECH CORP
Project: 200614M
Lab Order: 0612B38

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

Sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted.

MC TECH CORP

REIC Work Order: 0612B38

Analytical Results



225 Industrial Park Rd.

Post Office Box 286

Beaver, WV 25813

800.999.0105

304.255.2500 • 304.255.2572 (fax)

website: www.reiclabs.com

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- American Chemical Society
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- Petroleum Marketers Association
- Rural Water Association
- Lining & Reclamation Association
- American Water Works Association
- The Solid Waste Association of North America
- West Virginia Manufacturers Association
- Association of West Virginia Solid Waste Authorities
- West Virginia Oil Marketers & Producers Association

1/8/2007

Kim Chambers
 MC TECH CORP
 2333 MAcCORKLE AVE SUITE 106
 ST. ALBANS, WV 25177-2074

TEL: (304) 215-0099

FAX (304) 201-2206

RE: 200614M

Order No.: 0612B38

Dear Kim Chambers:

REI Consultants Inc. received 8 sample(s) on 12/19/2006 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Grant Wilton
Project Manager

CC:
kchambers@mctechreadymix.com

CLIENT: MC TECH CORP
 Client Sample ID: 200614M-1-001
 Project: 200614M
 Site ID: PRRWP-LIME TREATMENT

WorkOrder: 0612B38
 Lab ID: 0612B38-01A
 Collection Date: 12/18/2006
 Matrix: SOIL

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE			SM2540 B			Analyst: CDS
Percent Moisture	20	wt%		NA	0.5	12/29/2006
EXPLOSIVES			SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
1,3-Dinitrobenzene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
2,4,6-Trinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
2,4-Dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
2,6-Dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
2-Amino-4,6-dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
2-Nitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
3-Nitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
4-Amino-2,6-dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
4-Nitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
HMX	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
Nitrobenzene	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
RDX	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
Tetryl	ND	mg/Kg		NA	0.500	12/26/2006 3:22:00 AM
PH			SW9045C			Analyst: DSA
pH	7.44	SU		NA	NA	12/23/2006 9:15:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0612B38
Client Sample ID:	200614M-2-001	Lab ID:	0612B38-02A
Project:	200614M	Collection Date:	12/18/2006
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE			SM2540 B			Analyst: CDS
Percent Moisture	19	wt%		NA	0.5	12/29/2006
EXPLOSIVES			SW8330	/SW8330		Analyst: CLS
1,3,5-Trinitrobenzene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
1,3-Dinitrobenzene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
2,4,6-Trinitrotoluene	11.8	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
2,4-Dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
2,6-Dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
2-Amino-4,6-dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
2-Nitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
3-Nitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
4-Amino-2,6-dinitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
4-Nitrotoluene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
HMX	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
Nitrobenzene	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
RDX	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
Tetryl	ND	mg/Kg		NA	0.500	12/26/2006 4:19:36 AM
PH			SW9045C			Analyst: DSA
pH	7.92	SU		NA	NA	12/23/2006 9:15:00 PM

Key:	MCL	Maximum Contaminant Level	Qualifiers:	B	Analyte detected in the associated Method Blank
	MDL	Minimum Detection Limit		E	Value estimated due to calibration range exceedance
	NA	Not Applicable		H	Sample extraction/analysis holding time exceeded
	ND	Not Detected at the PQL or MDL		J	Analyte detected at less than the PQL
	PQL	Practical Quantitation Limit		S	Spike/Surrogate Recovery exceeds accepted recovery limits
	TIC	Tentatively Identified Compound		X	Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0612B38
Client Sample ID:	200614M-3-001	Lab ID:	0612B38-03A
Project:	200614M	Collection Date:	12/18/2006
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	18 wt%		NA	0.5	12/29/2006
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	17.4 mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
1,3-Dinitrobenzene	2.35 mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
2,4,6-Trinitrotoluene	2940 mg/Kg		NA	50.0	12/27/2006 1:46:23 AM
2,4-Dinitrotoluene	27.6 mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
2,6-Dinitrotoluene	5.01 mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
2-Nitrotoluene	5.48 mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
HMX	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
Nitrobenzene	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
RDX	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
Tetryl	ND mg/Kg		NA	0.500	12/26/2006 5:17:18 AM
PH		SW9045C			Analyst: DSA
pH	8.16 SU		NA	NA	12/23/2006 9:15:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0612B38
Client Sample ID: 200614M-4-001	Lab ID: 0612B38-04A
Project: 200614M	Collection Date: 12/18/2006
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	19 wt%		NA	0.5	12/29/2006
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	66.8 mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
1,3-Dinitrobenzene	15.5 mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
2,4,6-Trinitrotoluene	22300 mg/Kg		NA	500	12/27/2006 2:44:19 AM
2,4-Dinitrotoluene	121 mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
2,6-Dinitrotoluene	28.8 mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
2-Nitrotoluene	28.8 mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
HMX	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
Nitrobenzene	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
RDX	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
Tetryl	ND mg/Kg		NA	0.500	12/26/2006 6:14:55 AM
PH		SW9045C			Analyst: DSA
pH	8.17 SU		NA	NA	12/23/2006 9:15:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0612B38
Client Sample ID:	200614M-5-001	Lab ID:	0612B38-05A
Project:	200614M	Collection Date:	12/18/2006
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	19 wt%		NA	0.5	12/29/2006
EXPLOSIVES		SW8330	/SW8330		Analyst: CLS
1,3,5-Trinitrobenzene	80.0 mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
1,3-Dinitrobenzene	13.9 mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
2,4,6-Trinitrotoluene	3080 mg/Kg		NA	50.0	12/27/2006 3:41:55 AM
2,4-Dinitrotoluene	85.8 mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
2,6-Dinitrotoluene	17.6 mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
2-Nitrotoluene	27.8 mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
HMX	7.72 mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
Nitrobenzene	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
RDX	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
Tetryl	ND mg/Kg		NA	0.500	12/26/2006 7:12:31 AM
PH		SW9045C			Analyst: DSA
pH	7.67 SU		NA	NA	12/23/2006 9:15:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedence
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP
 Client Sample ID: 200614M-6-001
 Project: 200614M
 Site ID: PRRWP-LIME TREATMENT

WorkOrder: 0612B38
 Lab ID: 0612B38-06A
 Collection Date: 12/18/2006
 Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	21 wt%		NA	0.5	12/29/2006
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	18.2 mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
1,3-Dinitrobenzene	8.70 mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
2,4,6-Trinitrotoluene	114 mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
2,4-Dinitrotoluene	17.8 mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
2,6-Dinitrotoluene	2.26 mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
2-Nitrotoluene	1.57 mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
HMX	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
Nitrobenzene	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
RDX	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
Tetryl	ND mg/Kg		NA	0.500	12/26/2006 11:02:54 AM
PH		SW9045C			Analyst: DSA
pH	7.85 SU		NA	NA	12/23/2006 9:15:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0612B38
Client Sample ID:	200614M-7-001	Lab ID:	0612B38-07A
Project:	200614M	Collection Date:	12/18/2006
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE					
Percent Moisture	19 wt%	SM2540 B	NA	0.5	Analyst: CDS 12/29/2006
EXPLOSIVES					
		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	14.5 mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
1,3-Dinitrobenzene	7.12 mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
2,4,6-Trinitrotoluene	15.3 mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
2,4-Dinitrotoluene	12.4 mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
2,6-Dinitrotoluene	1.72 mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
2-Nitrotoluene	0.735 mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
3-Nitrotoluene	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
4-Nitrotoluene	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
HMX	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
Nitrobenzene	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
RDX	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
Tetryl	ND mg/Kg	NA	NA	0.500	12/27/2006 12:00:32 PM
PH					
pH	8.00 SU	SW9045C	NA	NA	Analyst: DSA 12/23/2006 9:15:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0612B38
Client Sample ID: 200614M-8-001	Lab ID: 0612B38-08A
Project: 200614M	Collection Date: 12/18/2006
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	21 wt%		NA	0.5	12/29/2006
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	10.7 mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
1,3-Dinitrobenzene	4.39 mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
2,4,6-Trinitrotoluene	3.67 mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
2,4-Dinitrotoluene	8.30 mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
2,6-Dinitrotoluene	0.820 mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
2-Nitrotoluene	0.930 mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
HMX	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
Nitrobenzene	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
RDX	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
Tetryl	ND mg/Kg		NA	0.500	12/27/2006 12:58:09 PM
PH		SW9045C			Analyst: DSA
pH	8.02 SU		NA	NA	12/23/2006 9:15:00 PM

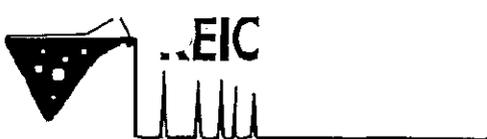
Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

MC TECH CORP

REIC Work Order: 0612B38

Chain-of-Custody



REI Consultants, Inc.
 225 Industrial Park Rd.
 P.O. Box 286, Beaver, WV 25813
 Phone: 304-255-2500 or 800-999-0105
 FAX: 304-255-2572
 e-mail: rlabs@reiclabs.com

CLIENT: USACE
 ADDRESS: 502 9th STREET
 CITY/STATE/ZIP: HUNTINGTON W.V. 25701
 BILL TO: M-TECH CORP.
 CITY/STATE/ZIP: St. Albans W.V.
 PURCHASE ORDER # _____
 QUOTE # _____

CONTACT PERSON: Kim Chambers
 TELEPHONE #: (304) 215 0099
 FAX #: (301) 201 2206
 E-MAIL ADDRESS: kchambers@mctechready.com
 SITE ID & STATE: PRRWP - LINE TREATMENT
 PROJECT ID: 200614M
 SAMPLER: MM/KC

SAMPLE LOG AND ANALYSIS REQUEST	TURNAROUND TIME REQUIREMENTS		PRESERVATIVES		PRESERVATIVE CODES												COMMENTS				
	REGULAR:	*RUSH:	0 No Preservative	NOTE PRESERVATIVES →	0	0	0														
SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	PRESERVATIVES															
200614M-1-001	1 9oz glass	12/18/06 2:00 PM	Soil	Comp	X	X	X														Week 1
200614M-2-001		12/18/06 3:05 PM			X	X	X														no time
200614M-3-001		12/18/06 3:10 PM			X	X	X														
200614M-4-001		12/18/06 3:15 PM			X	X	X														level II QC
200614M-5-001		12/18/06 3:20 PM			X	X	X														
200614M-6-001		12/18/06 3:25 PM			X	X	X														
200614M-7-001		12/18/06 3:30 PM			X	X	X														
200614M-8-001	✓	12/18/06 3:35	✓	✓	X	X	X														
Relinquished by: (Signature) <i>Kimberly Chambers</i>		Date/Time: 12/18/06 4:30	Received by: (Signature) <i>[Signature]</i>		Date/Time: 12/18/06	Relinquished by: (Signature)		Date/Time:	Received by: (Signature)		Date/Time:	Received by: (Signature)		Date/Time:	Received by: (Signature)		Date/Time:	Received by: (Signature)		Date/Time:	
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Temperature Upon Arrival		°C	<input type="checkbox"/> FAX Results		<input checked="" type="checkbox"/> Email Results										

Feel free

MC TECH CORP

REIC Work Order: 0612B38

Level II QC Summary

CLIENT: MC TECH CORP
 Work Order: 0612B38
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38680	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/26/2006	SeqNo: 1893912						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: MB-38680	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/26/2006	SeqNo: 1893920						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound, Estimated

CLIENT: MC TECH CORP
 Work Order: 0612B38
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38680	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/26/2006	SeqNo: 1893920						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: 0612B38-08A	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: 200614M-8-001	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/27/2006	SeqNo: 1893924						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	18.3	0.500	5.000	10.72	152	50	150				S
1,3-Dinitrobenzene	11.1	0.500	5.000	4.390	134	50	150				
2,4,6-Trinitrotoluene	27.9	0.500	5.000	3.670	484	50	150				S
2,4-Dinitrotoluene	16.5	0.500	5.000	8.295	164	50	150				S
2,6-Dinitrotoluene	6.88	0.500	5.000	0.8200	121	50	150				
2-Amino-4,6-dinitrotoluene	4.65	0.500	5.000	0	93	50	150				
2-Nitrotoluene	6.43	0.500	5.000	0.9300	110	50	150				
3-Nitrotoluene	4.67	0.500	5.000	0	93	50	150				
4-Amino-2,6-dinitrotoluene	4.87	0.500	5.000	0	97	50	150				
4-Nitrotoluene	4.55	0.500	5.000	0	91	50	150				
HMX	9.08	0.500	5.000	0	182	50	150				S
Nitrobenzene	5.15	0.500	5.000	0	103	50	150				
RDX	6.44	0.500	5.000	0	129	50	150				
Tetryl	5.85	0.500	5.000	0	117	50	150				

Sample ID: 0612B38-08A	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: 200614M-8-001	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/27/2006	SeqNo: 1893925						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	25.5	0.500	5.000	10.72	296	50	150	18.30	33.0	30	SR
1,3-Dinitrobenzene	16.3	0.500	5.000	4.390	239	50	150	11.10	38.2	30	SR
2,4,6-Trinitrotoluene	33.1	0.500	5.000	3.670	588	50	150	27.86	17.1	30	S

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc-
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound, Estimated

CLIENT: MC TECH CORP
 Work Order: 0612B38
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: 0612B38-08A	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: 200614M-8-001	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/27/2006	SeqNo: 1893925						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	27.2	0.500	5.000	8.295	378	50	150	16.50	49.0	30	SR
2,6-Dinitrotoluene	8.95	0.500	5.000	0.8200	163	50	150	6.885	26.1	30	S
2-Amino-4,6-dinitrotoluene	4.84	0.500	5.000	0	97	50	150	4.650	4.11	30	
2-Nitrotoluene	7.78	0.500	5.000	0.9300	137	50	150	6.430	19.0	30	
3-Nitrotoluene	5.03	0.500	5.000	0	101	50	150	4.670	7.42	30	
4-Amino-2,6-dinitrotoluene	5.37	0.500	5.000	0	107	50	150	4.870	9.77	30	
4-Nitrotoluene	5.10	0.500	5.000	0	102	50	150	4.550	11.3	30	
HMX	0.935	0.500	5.000	0	19	50	150	9.080	163	30	SR
Nitrobenzene	5.34	0.500	5.000	0	107	50	150	5.150	3.53	30	
RDX	7.90	0.500	5.000	0	158	50	150	6.435	20.4	30	S
Tetryl	7.10	0.500	5.000	0	142	50	150	5.845	19.3	30	

Sample ID: MB-38680	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 12/27/2006	SeqNo: 1895253						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limit	H Sample extraction/analysis holding time exceedence ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound, Estimated
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CLIENT: MC TECH CORP
 Work Order: 0612B38
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38680	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 01/05/2007	SeqNo: 1895425

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: LCS-38680	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 01/05/2007	SeqNo: 1895425

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.46	0.500	5.000	0	89	70	130				
1,3-Dinitrobenzene	5.15	0.500	5.000	0	103	70	130				
2,4,6-Trinitrotoluene	4.94	0.500	5.000	0	99	70	130				
2,4-Dinitrotoluene	4.83	0.500	5.000	0	97	70	130				
2,6-Dinitrotoluene	4.79	0.500	5.000	0	96	70	130				
2-Amino-4,6-dinitrotoluene	5.26	0.500	5.000	0	105	70	130				
2-Nitrotoluene	5.26	0.500	5.000	0	105	70	130				
3-Nitrotoluene	4.70	0.500	5.000	0	94	70	130				
4-Amino-2,6-dinitrotoluene	5.29	0.500	5.000	0	106	70	130				
4-Nitrotoluene	4.74	0.500	5.000	0	95	70	130				
HMX	5.12	0.500	5.000	0	103	70	130				
Nitrobenzene	5.96	0.500	5.000	0	119	70	130				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time ex
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound, Estimated

CLIENT: MC TECH CORP
Work Order: 0612B38
Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: LCS-38680	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 12/20/2006	RunNo: 138083						
Client ID: ZZZZZ	Batch ID: 38680	TestNo: SW8330	SW8330	Analysis Date: 01/05/2007	SeqNo: 1895426						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
RDX	5.23	0.500	5.000	0	105	70	130				
Tetryl	1.80	0.500	5.000	0	36	70	130				S

Qualifiers:	B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limi	H Sample extraction/analysis holding time exc ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound, Estimated
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CLIENT: MC TECH CORP

Work Order: 0612B38

Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: MOIST_ORG

Sample ID: 0612D59-01ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 137850						
Client ID: ZZZZZ	Batch ID: R137850	TestNo: SM2540 B		Analysis Date: 12/29/2006	SeqNo: 1890425						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	10	0.5						9.000	10.5	0	

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound, Estimated

CLIENT: MC TECH CORP
 Work Order: 0612B38
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: 0612917-01ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 137521						
Client ID: ZZZZZ	Batch ID: R137521	TestNo: SW9045C		Analysis Date: 12/23/2006	SeqNo: 1885742						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.36	NA						7.340	0.272	20	

Sample ID: 0612B38-08ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 137521						
Client ID: 200614M-8-001	Batch ID: R137521	TestNo: SW9045C		Analysis Date: 12/23/2006	SeqNo: 1885753						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.02	NA						8.020	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected at less than the PQL
 R RPD outside accepted recovery limits
 E Value estimated due to calibration range exceedence
 NA Not Applicable
 S Spike/Surrogate Recovery exceeds accepted recovery limi
 H Sample extraction/analysis holding time exc
 ND Not Detected at the PQL or MDL
 TIC Tentatively Identified Compound, Estimated

MS. KIM CHAMBERS
MC TECH CORP

Project: 200614M
Site ID: PRRWP-LIME TREATMENT

REI Job #: 0701016

-Level II Data Package-

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MC TECH CORP

REIC Work Order: 0701016

Case Narrative

CLIENT: MC TECH CORP
Project: 200614M
Lab Order: 0701016

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

Sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted.

MC TECH CORP

REIC Work Order: 0701016

Analytical Results



improving the environment, one client at a time

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Rural Water Association

Mining & Reclamation Association

American Water Works Association

The Solid Waste Association of North America

West Virginia Manufacturers Association

Association of West Virginia Solid Waste Authorities

West Virginia Oil Marketers & Grocers Association

1/17/2007

Kim Chambers
MC TECH CORP
2333 MACCORKLE AVE SUITE 106
ST. ALBANS, WV 25177-2074

TEL: (304) 215-0099

FAX (304) 201-2206

RE: 200614M

Dear Kim Chambers:

Order No.: 0701016

REI Consultants Inc. received 8 sample(s) on 1/2/2007 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Grant Wilton
Project Manager

CC:
Ms. Kim Chambers

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-1-002	Lab ID: 0701016-01A
Project: 200614M	Collection Date: 12/29/2006 11:00:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE					
Percent Moisture	21 wt%	SM2540 B			Analyst: CDS 1/11/2007
EXPLOSIVES					
1,3,5-Trinitrobenzene	ND mg/Kg	SW8330		/SW8330	Analyst: CLS 1/10/2007 2:01:48 AM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
2,4,6-Trinitrotoluene	3.06 mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
2,4-Dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
4-Amino-2,6-dinitrotoluene	0.785 mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
HMX	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
RDX	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
Tetryl	ND mg/Kg		NA	0.500	1/10/2007 2:01:48 AM
PH					
pH	6.85 SU	SW9045C			Analyst: DSA 1/3/2007 1:40:00 PM

Key:	MCL Maximum Contaminant Level	Qualifiers:	B Analyte detected in the associated Method Blank
	MDL Minimum Detection Limit		E Value estimated due to calibration range exceedance
	NA Not Applicable		H Sample extraction/analysis holding time exceeded
	ND Not Detected at the PQL or MDL		J Analyte detected at less than the PQL
	PQL Practical Quantitation Limit		S Spike/Surrogate Recovery exceeds accepted recovery limits
	TIC Tentatively Identified Compound		X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-2-002	Lab ID: 0701016-02A
Project: 200614M	Collection Date: 12/29/2006 11:05:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	21 wt%		NA	0.5	1/11/2007
EXPLOSIVES		SW8330	/SW8330		Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
2,4,6-Trinitrotoluene	19.3 mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
2,4-Dinitrotoluene	0.940 mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
4-Amino-2,6-dinitrotoluene	0.530 mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
HMX	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
RDX	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
Tetryl	ND mg/Kg		NA	0.500	1/10/2007 4:54:43 AM
PH		SW9045C			Analyst: DSA
pH	10.5 SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-3-002	Lab ID: 0701016-03A
Project: 200614M	Collection Date: 12/29/2006 11:10:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE			SM2540 B			Analyst: CDS
Percent Moisture	18	wt%		NA	0.5	1/11/2007
EXPLOSIVES			SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	15.6	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
1,3-Dinitrobenzene	2.18	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
2,4,6-Trinitrotoluene	3040	mg/Kg		NA	50.0	1/12/2007 11:19:32 AM
2,4-Dinitrotoluene	17.1	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
2,6-Dinitrotoluene	5.39	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
2-Amino-4,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
2-Nitrotoluene	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
3-Nitrotoluene	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
4-Amino-2,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
4-Nitrotoluene	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
HMX	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
Nitrobenzene	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
RDX	ND	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
Tetryl	2.99	mg/Kg		NA	0.500	1/10/2007 5:52:19 AM
PH			SW9045C			Analyst: DSA
pH	11.3	SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-4-002	Lab ID: 0701016-04A
Project: 200614M	Collection Date: 12/29/2006 11:15:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	20 wt%		NA	0.5	1/11/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	40.8 mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
1,3-Dinitrobenzene	6.82 mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
2,4,6-Trinitrotoluene	4600 mg/Kg		NA	50.0	1/12/2007 12:17:07 PM
2,4-Dinitrotoluene	53.4 mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
2,6-Dinitrotoluene	11.0 mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
2-Nitrotoluene	15.3 mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
HMX	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
RDX	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
Tetryl	ND mg/Kg		NA	0.500	1/10/2007 9:42:41 AM
PH		SW9045C			Analyst: DSA
pH	10.1 SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-5-002	Lab ID: 0701016-05A
Project: 200614M	Collection Date: 12/29/2006 11:20:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	23 wt%		NA	0.5	1/11/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	7.78 mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
1,3-Dinitrobenzene	6.04 mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
2,4,6-Trinitrotoluene	544 mg/Kg		NA	5.00	1/12/2007 1:14:54 AM
2,4-Dinitrotoluene	7.14 mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
2,6-Dinitrotoluene	3.98 mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
2-Nitrotoluene	4.58 mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
4-Amino-2,6-dinitrotoluene	3.32 mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
HMX	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
RDX	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
Tetryl	ND mg/Kg		NA	0.500	1/10/2007 10:40:19 AM
PH		SW9045C			Analyst: DSA
pH	12.3 SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-6-002	Lab ID: 0701016-06A
Project: 200614M	Collection Date: 12/29/2006 11:25:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	24 wt%		NA	0.5	1/11/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
1,3-Dinitrobenzene	5.10 mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
2,4-Dinitrotoluene	2.78 mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
2,6-Dinitrotoluene	2.04 mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
2-Nitrotoluene	2.24 mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
HMX	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
RDX	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
Tetryl	ND mg/Kg		NA	0.500	1/10/2007 11:37:56 AM
PH		SW9045C			Analyst: DSA
pH	12.3 SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-7-002	Lab ID: 0701016-07A
Project: 200614M	Collection Date: 12/29/2006 11:30:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	22 wt%		NA	0.5	1/11/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	14.9 mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
1,3-Dinitrobenzene	6.46 mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
2,4,6-Trinitrotoluene	46.1 mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
2,4-Dinitrotoluene	11.8 mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
2,6-Dinitrotoluene	1.52 mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
2-Nitrotoluene	1.38 mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
HMX	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
RDX	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 12:35:32 PM
PH		SW9045C			Analyst: DSA
pH	7.65 SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701016
Client Sample ID: 200614M-7-002	Lab ID: 0701016-08A
Project: 200614M	Collection Date: 12/29/2006 11:35:00 AM
Site ID: PRRWP-LIME TREATMENT	Matrix: SOLID

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	24 wt%		NA	0.5	1/11/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	18.9 mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
1,3-Dinitrobenzene	14.5 mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
2,4,6-Trinitrotoluene	6.62 mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
2,4-Dinitrotoluene	31.0 mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
2,6-Dinitrotoluene	4.64 mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
2-Nitrotoluene	2.71 mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
HMX	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
RDX	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 1:33:10 AM
PH		SW9045C			Analyst: DSA
pH	8.90 SU		NA	NA	1/3/2007 1:40:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedence
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

MC TECH CORP

REIC Work Order: 0701016

Chain-of-Custody

MC TECH CORP

REIC Work Order: 0701016

Level II QC Summary

CLIENT: MC TECH CORP
 Work Order: 0701016
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901163						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: LCS-38818	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901164						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.78	0.500	5.000	0	96	70	130				
1,3-Dinitrobenzene	4.76	0.500	5.000	0	95	70	130				
2,4,6-Trinitrotoluene	4.76	0.500	5.000	0	95	70	130				
2,4-Dinitrotoluene	4.81	0.500	5.000	0	96	70	130				
2,6-Dinitrotoluene	4.80	0.500	5.000	0	96	70	130				
2-Amino-4,6-dinitrotoluene	5.09	0.500	5.000	0	102	70	130				
2-Nitrotoluene	4.96	0.500	5.000	0	99	70	130				
3-Nitrotoluene	4.86	0.500	5.000	0	97	70	130				
4-Amino-2,6-dinitrotoluene	4.60	0.500	5.000	0	92	70	130				
4-Nitrotoluene	4.75	0.500	5.000	0	95	70	130				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exo
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limit TIC Tentatively Identified Compound

CLIENT: MC TECH CORP

Work Order: 0701016

Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: LCS-38818	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901164						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HMX	4.82	0.500	5.000	0	97	70	130				
Nitrobenzene	4.74	0.500	5.000	0	95	70	130				
RDX	4.73	0.500	5.000	0	95	70	130				
Tetryl	3.60	0.500	5.000	0	72	70	130				

Sample ID: 0701016-01A	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: 200614M-1-002	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901167						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.50	0.500	5.000	0	90	50	150				
1,3-Dinitrobenzene	4.59	0.500	5.000	0	92	50	150				
2,4-Dinitrotoluene	4.86	0.500	5.000	0	97	50	150				
2,6-Dinitrotoluene	4.99	0.500	5.000	0	100	50	150				
2-Amino-4,6-dinitrotoluene	5.38	0.500	5.000	0.2650	102	50	150				
2-Nitrotoluene	4.84	0.500	5.000	0	97	50	150				
3-Nitrotoluene	4.74	0.500	5.000	0	95	50	150				
4-Amino-2,6-dinitrotoluene	6.14	0.500	5.000	0.7850	107	50	150				
4-Nitrotoluene	4.75	0.500	5.000	0	95	50	150				
HMX	4.53	0.500	5.000	0	91	50	150				
Nitrobenzene	4.58	0.500	5.000	0	92	50	150				
RDX	4.54	0.500	5.000	0	91	50	150				
Tetryl	3.94	0.500	5.000	0	79	50	150				

Sample ID: 0701016-01A	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: 200614M-1-002	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.46	0.500	5.000	0	89	50	150	4.495	0.670	30	
1,3-Dinitrobenzene	4.56	0.500	5.000	0	91	50	150	4.590	0.656	30	
2,4-Dinitrotoluene	4.66	0.500	5.000	0	93	50	150	4.855	4.10	30	
2,6-Dinitrotoluene	4.55	0.500	5.000	0	91	50	150	4.985	9.12	30	

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limit TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701016
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: 0701016-01A	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556
Client ID: 200614M-1-002	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901168

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Amino-4,6-dinitrotoluene	5.12	0.500	5.000	0.2650	97	50	150	5.385	5.14	30	
2-Nitrotoluene	4.70	0.500	5.000	0	94	50	150	4.835	2.94	30	
3-Nitrotoluene	4.44	0.500	5.000	0	89	50	150	4.740	6.42	30	
4-Amino-2,6-dinitrotoluene	5.90	0.500	5.000	0.7850	102	50	150	6.140	3.99	30	
4-Nitrotoluene	4.38	0.500	5.000	0	88	50	150	4.750	8.22	30	
HMX	4.60	0.500	5.000	0	92	50	150	4.530	1.53	30	
Nitrobenzene	4.49	0.500	5.000	0	90	50	150	4.580	2.10	30	
RDX	4.69	0.500	5.000	0	94	50	150	4.535	3.25	30	
Tetryl	3.98	0.500	5.000	0	80	50	150	3.935	1.01	30	

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901172

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limit	H Sample extraction/analysis holding time exceeded ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
 Work Order: 0701016
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/11/2007	SeqNo: 1901181						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/12/2007	SeqNo: 1903707						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedance H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
Work Order: 0701016
Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/12/2007	SeqNo: 1903707						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
RDX	ND	0.500									
Tetryl	ND	0.500									

Qualifiers:	B Analyte detected in the associated Method Blank	E Value estimated due to calibration range exceedence	H Sample extraction/analysis holding time exc
	J Analyte detected at less than the PQL	NA Not Applicable	ND Not Detected at the PQL or MDL
	R RPD outside accepted recovery limits	S Spike/Surrogate Recovery exceeds accepted recovery limi	TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701016
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: MOIST_ORG

Sample ID: 0701361-09ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 138503						
Client ID: ZZZZZ	Batch ID: R138503	TestNo: SM2540 B		Analysis Date: 01/11/2007	SeqNo: 1900353						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	10	0.5						10.00	0	0	

Sample ID: 0701425-12ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 138503						
Client ID: ZZZZZ	Batch ID: R138503	TestNo: SM2540 B		Analysis Date: 01/11/2007	SeqNo: 1900368						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	18	0.5						17.00	5.71	0	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedance NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limi	H Sample extraction/analysis holding time exc ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
 Work Order: 0701016
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: 0701016-03ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 138017						
Client ID: 200614M-3-002	Batch ID: R138017	TestNo: SW9045C		Analysis Date: 01/03/2007	SeqNo: 1894565						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	11.3	NA						11.26	0.266	20	

Sample ID: 0701064-02ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 138130						
Client ID: ZZZZZ	Batch ID: R138130	TestNo: SW9045C		Analysis Date: 01/03/2007	SeqNo: 1894573						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	5.75	NA						5.740	0.174	20	

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected at less than the PQL
 R RPD outside accepted recovery limits
 E Value estimated due to calibration range exceedence
 NA Not Applicable
 S Spike/Surrogate Recovery exceeds accepted recovery limi
 H Sample extraction/analysis holding time exc
 ND Not Detected at the PQL or MDL
 TIC Tentatively Identified Compound

MS. KIM CHAMBERS
MC TECH CORP

Project: 200614M
Site ID: PRRWP-LIME TREATMENT

REI Job #: 0701235

-Level II Data Package-

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Narrative*
- *Analytical
Results*
- *Chain-of-
Custody*
- *Level II
QC
Summary*

MC TECH CORP

REIC Work Order: 0701235

Case Narrative

CLIENT: MC TECH CORP
Project: 200614M
Lab Order: 0701235

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

Sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted.

MC TECH CORP

REIC Work Order: 0701235

Analytical Results



RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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- American Water Works Association
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- West Virginia Manufacturers Association
- Association of West Virginia Solid Waste Authorities
- West Virginia Oil Marketers & Processors Association

1/17/2007

Kim Chambers
 MC TECH CORP
 2333 MAcCORKLE AVE SUITE 106
 ST. ALBANS, WV 25177-2074
 TEL: (304) 215-0099
 FAX (304) 201-2206
 RE: 200614M

Order No.: 0701235

Dear Kim Chambers:

REI Consultants Inc. received 8 sample(s) on 1/5/2007 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Grant Wilton
Project Manager

CC:
kchambers@mctechreadymix.com

CLIENT: MC TECH CORP	WorkOrder: 0701235
Client Sample ID: 200614M-1-003	Lab ID: 0701235-01A
Project: 200614M	Collection Date: 1/4/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE			SM2540 B			Analyst: CDS
Percent Moisture	21	wt%		NA	0.5	1/15/2007
EXPLOSIVES			SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
1,3-Dinitrobenzene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
2,4,6-Trinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
2,4-Dinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
2,6-Dinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
2-Amino-4,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
2-Nitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
3-Nitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
4-Amino-2,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
4-Nitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
HMX	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
Nitrobenzene	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
RDX	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
Tetryl	ND	mg/Kg		NA	0.500	1/11/2007 2:30:47 AM
PH			SW9045C			Analyst: DSA
pH	6.98	SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP
 Client Sample ID: 200614M-2-003
 Project: 200614M
 Site ID: PRRWP-LIME TREATMENT

WorkOrder: 0701235
 Lab ID: 0701235-02A
 Collection Date: 1/4/2007
 Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	19 wt%		NA	0.5	1/15/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	0.785 mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
2,4,6-Trinitrotoluene	154 mg/Kg		NA	5.00	1/12/2007 2:12:32 AM
2,4-Dinitrotoluene	1.52 mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
4-Amino-2,6-dinitrotoluene	0.725 mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
HMX	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
RDX	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 3:28:25 AM
PH		SW9045C			Analyst: DSA
pH	9.83 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP
 Client Sample ID: 200614M-3-003
 Project: 200614M
 Site ID: PRRWP-LIME TREATMENT

WorkOrder: 0701235
 Lab ID: 0701235-03A
 Collection Date: 1/4/2007
 Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	17 wt%		NA	0.5	1/15/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	18.8 mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
1,3-Dinitrobenzene	2.30 mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
2,4,6-Trinitrotoluene	5040 mg/Kg		NA	50.0	1/12/2007 3:10:10 AM
2,4-Dinitrotoluene	29.9 mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
2,6-Dinitrotoluene	9.67 mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
2-Nitrotoluene	7.37 mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
4-Amino-2,6-dinitrotoluene	1.62 mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
HMX	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
RDX	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 7:18:47 AM
PH		SW9045C			Analyst: DSA
pH	10.6 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701235
Client Sample ID:	200614M-4-003	Lab ID:	0701235-04A
Project:	200614M	Collection Date:	1/4/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	27 wt%		NA	0.5	1/15/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	111 mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
1,3-Dinitrobenzene	8.77 mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
2,4,6-Trinitrotoluene	2800 mg/Kg		NA	50.0	1/12/2007 4:07:45 AM
2,4-Dinitrotoluene	61.5 mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
2,6-Dinitrotoluene	19.4 mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
2-Nitrotoluene	11.1 mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
4-Amino-2,6-dinitrotoluene	1.44 mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
HMX	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
RDX	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 8:16:36 AM
PH		SW9045C			Analyst: DSA
pH	11.3 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701235
Client Sample ID: 200614M-5-003	Lab ID: 0701235-05A
Project: 200614M	Collection Date: 1/4/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	21 wt%		NA	0.5	1/15/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	8.67 mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
1,3-Dinitrobenzene	4.90 mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
2,4,6-Trinitrotoluene	11.7 mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
2,4-Dinitrotoluene	10.4 mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
2,6-Dinitrotoluene	3.20 mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
2-Nitrotoluene	7.96 mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
HMX	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
RDX	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 9:14:14 AM
PH		SW9045C			Analyst: DSA
pH	11.8 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701235
Client Sample ID:	200614M-6-003	Lab ID:	0701235-06A
Project:	200614M	Collection Date:	1/4/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	26 wt%		NA	0.5	1/15/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
1,3-Dinitrobenzene	4.70 mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
2,4-Dinitrotoluene	4.42 mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
2,6-Dinitrotoluene	1.60 mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
2-Nitrotoluene	3.17 mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
HMX	0.990 mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
RDX	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 10:11:50 AM
PH		SW9045C			Analyst: DSA
pH	12.5 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701235
Client Sample ID: 200614M-7-003	Lab ID: 0701235-07A
Project: 200614M	Collection Date: 1/4/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE			SM2540 B			Analyst: CDS
Percent Moisture	26	wt%		NA	0.5	1/15/2007
EXPLOSIVES			SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	29.6	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
1,3-Dinitrobenzene	10.8	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
2,4,6-Trinitrotoluene	20.6	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
2,4-Dinitrotoluene	32.6	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
2,6-Dinitrotoluene	5.30	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
2-Amino-4,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
2-Nitrotoluene	3.34	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
3-Nitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
4-Amino-2,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
4-Nitrotoluene	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
HMX	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
Nitrobenzene	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
RDX	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
Tetryl	ND	mg/Kg		NA	0.500	1/11/2007 11:09:26 AM
PH			SW9045C			Analyst: DSA
pH	8.06	SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701235
Client Sample ID:	200614M-8-003	Lab ID:	0701235-08A
Project:	200614M	Collection Date:	1/4/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	23 wt%		NA	0.5	1/15/2007
EXPLOSIVES		SW8330	/SW8330		Analyst: CLS
1,3,5-Trinitrobenzene	1.30 mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
1,3-Dinitrobenzene	12.4 mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
2,4-Dinitrotoluene	19.7 mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
2,6-Dinitrotoluene	3.28 mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
2-Nitrotoluene	8.00 mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
HMX	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
RDX	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
Tetryl	ND mg/Kg		NA	0.500	1/11/2007 12:07:02 PM
PH		SW9045C			Analyst: DSA
pH	11.1 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

MC TECH CORP

REIC Work Order: 0701235

Chain-of-Custody



REI Consultants, Inc.
 225 Industrial Park Rd.
 P.O. Box 286, Beaver, WV 25813
 Phone: 304-255-2500 or 800-999-0105
 FAX: 304-255-2572
 e-mail: rlabs@reiclabs.com

CLIENT: DSACE
 ADDRESS: 502 8th Street
 CITY/STATE/ZIP: Huntington WV 25701
 BILL TO: McTeck Corp.
 CITY/STATE/ZIP: St. Albans WV 25177
 PURCHASE ORDER # _____
 QUOTE # _____

CONTACT PERSON: Kim Chambers
 TELEPHONE # (304) 215 0099
 FAX #: (301) 201 2206
 E-MAIL ADDRESS: kchambers@mc-teck.com
 SITE ID & STATE: PRR WP - Lime Treatment
 PROJECT ID: 200614M
 SAMPLER: MM/KC

SAMPLE LOG AND ANALYSIS REQUEST		TURNAROUND TIME REQUIREMENTS		PRESERVATIVES		PRESERVATIVE CODES										COMMENTS					
		REGULAR: <u>7</u>	*RUSH: _____	0 No Preservative	NOTE PRESERVATIVES →	0	6	9													
SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	PH	Moisture														
200614M-1-003	1- 9oz Jar	1/4/07 8:00 AM	Soil	Spt. Grab	✓	✓	✓														
200614M-2-003	}	1/4/07 8:05 AM	}	}	✓	✓	✓														
200614M-3-003		1/4/07 8:10 AM			✓	✓	✓														
200614M-4-003		1/4/07 8:15 AM			✓	✓	✓														
200614M-5-003		1/4/07 8:20 AM			✓	✓	✓														
200614M-6-003		1/4/07 8:25 AM			✓	✓	✓														
200614M-7-003		1/4/07 8:30 AM			✓	✓	✓														
200614M-8-003		1/4/07 8:35 AM			✓	✓	✓														
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>1/4/07</u>			Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>10:50</u>	Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Received by: (Signature)	
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Temperature Upon Arrival		°C	<input type="checkbox"/> FAX Results <input type="checkbox"/> Email Results												

Full Ex Ted

MC TECH CORP

REIC Work Order: 0701235

Level II QC Summary

CLIENT: MC TECH CORP
 Work Order: 0701235
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901163						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: LCS-38818	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901164						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.78	0.500	5.000	0	96	70	130				
1,3-Dinitrobenzene	4.76	0.500	5.000	0	95	70	130				
2,4,6-Trinitrotoluene	4.76	0.500	5.000	0	95	70	130				
2,4-Dinitrotoluene	4.81	0.500	5.000	0	96	70	130				
2,6-Dinitrotoluene	4.80	0.500	5.000	0	96	70	130				
2-Amino-4,6-dinitrotoluene	5.09	0.500	5.000	0	102	70	130				
2-Nitrotoluene	4.96	0.500	5.000	0	99	70	130				
3-Nitrotoluene	4.86	0.500	5.000	0	97	70	130				
4-Amino-2,6-dinitrotoluene	4.60	0.500	5.000	0	92	70	130				
4-Nitrotoluene	4.75	0.500	5.000	0	95	70	130				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701235
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: LCS-38818	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901164						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

HMX	4.82	0.500	5.000	0	97	70	130				
Nitrobenzene	4.74	0.500	5.000	0	95	70	130				
RDX	4.73	0.500	5.000	0	95	70	130				
Tetryl	3.60	0.500	5.000	0	72	70	130				

Sample ID: 0701016-01A	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901167						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	4.50	0.500	5.000	0	90	50	150				
1,3-Dinitrobenzene	4.59	0.500	5.000	0	92	50	150				
2,4-Dinitrotoluene	4.86	0.500	5.000	0	97	50	150				
2,6-Dinitrotoluene	4.99	0.500	5.000	0	100	50	150				
2-Amino-4,6-dinitrotoluene	5.38	0.500	5.000	0.2650	102	50	150				
2-Nitrotoluene	4.84	0.500	5.000	0	97	50	150				
3-Nitrotoluene	4.74	0.500	5.000	0	95	50	150				
4-Amino-2,6-dinitrotoluene	6.14	0.500	5.000	0.7850	107	50	150				
4-Nitrotoluene	4.75	0.500	5.000	0	95	50	150				
HMX	4.53	0.500	5.000	0	91	50	150				
Nitrobenzene	4.58	0.500	5.000	0	92	50	150				
RDX	4.54	0.500	5.000	0	91	50	150				
Tetryl	3.94	0.500	5.000	0	79	50	150				

Sample ID: 0701016-01A	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	4.46	0.500	5.000	0	89	50	150	4.495	0.670	30	
1,3-Dinitrobenzene	4.56	0.500	5.000	0	91	50	150	4.590	0.656	30	
2,4-Dinitrotoluene	4.66	0.500	5.000	0	93	50	150	4.855	4.10	30	
2,6-Dinitrotoluene	4.55	0.500	5.000	0	91	50	150	4.985	9.12	30	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limi	H Sample extraction/analysis holding time exc ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
 Work Order: 0701235
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: 0701016-01A	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Amino-4,6-dinitrotoluene	5.12	0.500	5.000	0.2650	97	50	150	5.385	5.14	30	
2-Nitrotoluene	4.70	0.500	5.000	0	94	50	150	4.835	2.94	30	
3-Nitrotoluene	4.44	0.500	5.000	0	89	50	150	4.740	6.42	30	
4-Amino-2,6-dinitrotoluene	5.90	0.500	5.000	0.7850	102	50	150	6.140	3.99	30	
4-Nitrotoluene	4.38	0.500	5.000	0	88	50	150	4.750	8.22	30	
HMX	4.60	0.500	5.000	0	92	50	150	4.530	1.53	30	
Nitrobenzene	4.49	0.500	5.000	0	90	50	150	4.580	2.10	30	
RDX	4.69	0.500	5.000	0	94	50	150	4.535	3.25	30	
Tetryl	3.98	0.500	5.000	0	80	50	150	3.935	1.01	30	

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/10/2007	SeqNo: 1901172						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limit	H Sample extraction/analysis holding time exc. ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
 Work Order: 0701235
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/11/2007	SeqNo: 1901181						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/12/2007	SeqNo: 1903707						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected at less than the PQL
 R RPD outside accepted recovery limits
 E Value estimated due to calibration range exceedence
 NA Not Applicable
 S Spike/Surrogate Recovery exceeds accepted recovery limit
 H Sample extraction/analysis holding time exc
 ND Not Detected at the PQL or MDL
 TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
Work Order: 0701235
Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38818	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/08/2007	RunNo: 138556						
Client ID: ZZZZZ	Batch ID: 38818	TestNo: SW8330	SW8330	Analysis Date: 01/12/2007	SeqNo: 1903707						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
RDX	ND	0.500									
Tetryl	ND	0.500									

Qualifiers:	B Analyte detected in the associated Method Blank	E Value estimated due to calibration range exceedence	H Sample extraction/analysis holding time exc
	J Analyte detected at less than the PQL	NA Not Applicable	ND Not Detected at the PQL or MDL
	R RPD outside accepted recovery limits	S Spike/Surrogate Recovery exceeds accepted recovery limi	TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
Work Order: 0701235
Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: MOIST_ORG

Sample ID: 0701235-08ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 138682						
Client ID: 200614M-8-003	Batch ID: R138682	TestNo: SM2540 B		Analysis Date: 01/15/2007	SeqNo: 1903022						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	24	0.5						23.00	4.26	0	

Sample ID: 0701721-15ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 138682						
Client ID: ZZZZZ	Batch ID: R138682	TestNo: SM2540 B		Analysis Date: 01/15/2007	SeqNo: 1903058						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	17	0.5						18.00	5.71	0	

Sample ID: 0701721-28ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 138682						
Client ID: ZZZZZ	Batch ID: R138682	TestNo: SM2540 B		Analysis Date: 01/15/2007	SeqNo: 1903072						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	22	0.5						20.00	9.52	0	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limit	H Sample extraction/analysis holding time exceeded ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
Work Order: 0701235
Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: 0701235-08ADUP		SampType: DUP		TestCode: PH_S		Units: SU		Prep Date:		RunNo: 138762	
Client ID: 200614M-8-003		Batch ID: R138762		TestNo: SW9045C				Analysis Date: 01/16/2007		SeqNo: 1904334	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	11.2	NA						11.12	0.269	20	

Sample ID: 0701661-05ADUP		SampType: DUP		TestCode: PH_S		Units: SU		Prep Date:		RunNo: 138762	
Client ID: ZZZZZ		Batch ID: R138762		TestNo: SW9045C				Analysis Date: 01/16/2007		SeqNo: 1904347	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	12.4	NA						12.34	0.0810	20	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limi	H Sample extraction/analysis holding time exo ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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MS. KIM CHAMBERS
MC TECH CORP

Project: 200614M
Site ID: PRRWP-LIME TREATMENT

REI Job #: 0701661

-Level II Data Package-

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Summary*

MC TECH CORP

REIC Work Order: 0701661

Case Narrative

CLIENT: MC TECH CORP
Project: 200614M
Lab Order: 0701661

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

Sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted.

MC TECH CORP

REIC Work Order: 0701661

Analytical Results



RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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Rural Water Association

Mining & Reclamation Association

American Water Works Association

The Solid Waste Association of North America

West Virginia Manufacturers Association

Association of West Virginia Solid Waste Authorities

West Virginia Oil Marketers & Grocers Association

Kim Chambers
MC TECH CORP
2333 MAcCORKLE AVE SUITE 106
ST. ALBANS, WV 25177-2074

TEL: (304) 215-0099

FAX: (304) 201-2206

RE: 200614M

Dear Kim Chambers:

Order No.: 0701661

REI Consultants Inc. received 8 sample(s) on 1/12/2007 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Grant Wilton
Project Manager

CC:
kchambers@mctechreadymix.com

CLIENT: MC TECH CORP	WorkOrder: 0701661
Client Sample ID: 200614M-1-004	Lab ID: 0701661-01A
Project: 200614M	Collection Date: 1/11/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	21 wt%		NA	0.5	1/19/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
2,4-Dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
HMX	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
RDX	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
Tetryl	ND mg/Kg		NA	0.500	1/17/2007 9:31:02 AM
PH		SW9045C			Analyst: DSA
pH	7.72 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701661
Client Sample ID:	200614M-2-004	Lab ID:	0701661-02A
Project:	200614M	Collection Date:	1/11/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE			SM2540 B			Analyst: CDS
Percent Moisture	23	wt%		NA	0.5	1/19/2007
EXPLOSIVES			SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
1,3-Dinitrobenzene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
2,4,6-Trinitrotoluene	37.7	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
2,4-Dinitrotoluene	1.48	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
2,6-Dinitrotoluene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
2-Amino-4,6-dinitrotoluene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
2-Nitrotoluene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
3-Nitrotoluene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
4-Amino-2,6-dinitrotoluene	1.14	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
4-Nitrotoluene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
HMX	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
Nitrobenzene	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
RDX	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
Tetryl	ND	mg/Kg		NA	0.500	1/17/2007 12:52:39 PM
PH			SW9045C			Analyst: DSA
pH	11.8	SU		NA	NA	1/16/2007 1:55:00 PM

Key:	MCL	Maximum Contaminant Level	Qualifiers:	B	Analyte detected in the associated Method Blank
	MDL	Minimum Detection Limit		E	Value estimated due to calibration range exceedance
	NA	Not Applicable		H	Sample extraction/analysis holding time exceeded
	ND	Not Detected at the PQL or MDL		J	Analyte detected at less than the PQL
	PQL	Practical Quantitation Limit		S	Spike/Surrogate Recovery exceeds accepted recovery limits
	TIC	Tentatively Identified Compound		X	Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP
 Client Sample ID: 200614M-3-004
 Project: 200614M
 Site ID: PRRWP-LIME TREATMENT

WorkOrder: 0701661
 Lab ID: 0701661-03A
 Collection Date: 1/11/2007
 Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	22 wt%		NA	0.5	1/18/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	14.4 mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
1,3-Dinitrobenzene	1.16 mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
2,4,6-Trinitrotoluene	427 mg/Kg		NA	5.00	1/18/2007 1:21:31 AM
2,4-Dinitrotoluene	6.30 mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
2,6-Dinitrotoluene	3.75 mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
2-Nitrotoluene	3.20 mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
4-Amino-2,6-dinitrotoluene	1.76 mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
HMX	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
RDX	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
Tetryl	ND mg/Kg		NA	0.500	1/17/2007 1:50:15 AM
PH		SW9045C			Analyst: DSA
pH	12.1 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analytic detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701661
Client Sample ID: 200614M-4-004	Lab ID: 0701661-04A
Project: 200614M	Collection Date: 1/11/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	25 wt%		NA	0.5	1/19/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	67.3 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
1,3-Dinitrobenzene	5.66 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
2,4,6-Trinitrotoluene	492 mg/Kg		NA	5.00	1/18/2007 2:19:08 AM
2,4-Dinitrotoluene	22.9 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
2,6-Dinitrotoluene	10.8 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
2-Nitrotoluene	13.0 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
4-Amino-2,6-dinitrotoluene	3.26 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
HMX	ND mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
Nitrobenzene	1.39 mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
RDX	ND mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
Tetryl	ND mg/Kg		NA	0.500	1/17/2007 2:47:50 AM
PH		SW9045C			Analyst: DSA
pH	12.3 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701661
Client Sample ID: 200614M-5-004	Lab ID: 0701661-05A
Project: 200614M	Collection Date: 1/11/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	27 wt%		NA	0.5	1/19/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	2.29 mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
1,3-Dinitrobenzene	2.50 mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
2,4,6-Trinitrotoluene	33.4 mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
2,4-Dinitrotoluene	8.78 mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
2,6-Dinitrotoluene	2.00 mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
2-Nitrotoluene	8.51 mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
HMX	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
RDX	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
Tetryl	ND mg/Kg		NA	0.500	1/17/2007 3:45:27 AM
PH		SW9045C			Analyst: DSA
pH	12.3 SU		NA	NA	1/16/2007 1:55:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedence
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701661
Client Sample ID: 200614M-6-004	Lab ID: 0701661-06A
Project: 200614M	Collection Date: 1/11/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	26 wt%		NA	0.5	1/19/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
1,3-Dinitrobenzene	3.73 mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
2,4-Dinitrotoluene	3.62 mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
2,6-Dinitrotoluene	1.11 mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
2-Nitrotoluene	4.83 mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
HMX	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
RDX	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
Tetryl	ND mg/Kg		NA	0.500	1/17/2007 4:43:04 AM
PH		SW9045C			Analyst: DSA
pH	12.4 SU		NA	NA	1/16/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701661
Client Sample ID: 200614M-7-004	Lab ID: 0701661-07A
Project: 200614M	Collection Date: 1/11/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE					
Percent Moisture	24 wt%	SM2540 B	NA	0.5	Analyst: CDS 1/19/2007
EXPLOSIVES					
		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
1,3-Dinitrobenzene	8.22 mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
2,4,6-Trinitrotoluene	18.3 mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
2,4-Dinitrotoluene	19.8 mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
2,6-Dinitrotoluene	2.92 mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
2-Nitrotoluene	7.15 mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
HMX	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
RDX	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
Tetryl	ND mg/Kg		NA	0.500	1/17/2007 5:40:39 AM
PH					
pH	8.19 SU	SW9045C	NA	NA	Analyst: DSA 1/16/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP

WorkOrder: 0701661

Client Sample ID: 200614M-8-004

Lab ID: 0701661-08A

Project: 200614M

Collection Date: 1/11/2007

Site ID: PRRWP-LIME TREATMENT

Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE					
Percent Moisture	26 wt%	SM2540 B	NA	0.5	Analyst: CDS 1/19/2007
EXPLOSIVES					
1,3,5-Trinitrobenzene	ND mg/Kg	SW8330	NA	/SW8330 0.500	Analyst: CLS 1/18/2007 12:23:53 PM
1,3-Dinitrobenzene	7.66 mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
2,4,6-Trinitrotoluene	1.79 mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
2,4-Dinitrotoluene	14.0 mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
2,6-Dinitrotoluene	1.94 mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
2-Nitrotoluene	1.67 mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
HMX	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
RDX	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
Tetryl	ND mg/Kg		NA	0.500	1/18/2007 12:23:53 PM
PH					
pH	12.0 SU	SW9045C	NA	NA	Analyst: DSA 1/16/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

MC TECH CORP

REIC Work Order: 0701661

Chain-of-Custody



REI Consultants, Inc.
 225 Industrial Park Rd.
 P.O. Box 286, Beaver, WV 25813
 Phone: 304-255-2500 or 800-999-0105
 FAX: 304-255-2572
 e-mail: rllabs@reilabs.com

CLIENT: USACE
 ADDRESS: 502 8th Street
 CITY/STATE/ZIP: Huntington, WV 25701
 BILL TO: McTech Corp
 CITY/STATE/ZIP: St. Albans WV 25172
 PURCHASE ORDER # _____
 QUOTE # _____

CONTACT PERSON: Kim Chambers
 TELEPHONE #: (304) 215 0099
 FAX #: (304) 202 2206
 E-MAIL ADDRESS: kchambers@mettechready.com
 SITE ID & STATE: PR20P - Lime Treatment
 PROJECT ID: 200614M
 SAMPLER: MM/KC

PRESERVATIVE CODES

SAMPLE LOG AND ANALYSIS REQUEST	TURNAROUND TIME REQUIREMENTS		PRESERVATIVES		NOTE PRESERVATIVES →										COMMENTS								
	REGULAR: <u>X</u>	*RUSH: _____	0 No Preservative	1 Hydrochloric Acid	2 Nitric Acid	3 Sulfuric Acid	4 Sodium Thiosulfate	5 Sodium Hydroxide	6 Zinc Acetate	7 EDTA	0	0	0										
SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD																		
200614M-1-004	1-9oz Jar	4/11/07 9:00 AM	soil	5AT-Grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
200614M-2-004	[Handwritten scribble]	4/11/07 9:05 AM	[Handwritten scribble]	[Handwritten scribble]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
200614M-3-004		4/11/07 9:10 AM			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200614M-4-004		4/11/07 9:15 AM			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200614M-5-004		4/11/07 9:20 AM			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200614M-6-004		4/11/07 9:25 AM			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200614M-7-004		4/11/07 9:30 AM			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200614M-8-004		4/11/07 9:35 AM			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Relinquished by: (Signature) [Signature] Date/Time 4/11/07 11:30 AM
 Received by: (Signature) _____ Date/Time _____
 Relinquished by: (Signature) _____ Date/Time _____
 Received by: (Signature) [Signature] Date/Time 4/11/07 1:15 PM
 Temperature Upon Arrival 20 °C
 FAX Results Email Results

Feed.

MC TECH CORP

REIC Work Order: 0701661

Level II QC Summary

CLIENT: MC TECH CORP
 Work Order: 0701661
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-38914	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/15/2007	RunNo: 138906						
Client ID: ZZZZZ	Batch ID: 38914	TestNo: SW8330	SW8330	Analysis Date: 01/17/2007	SeqNo: 1906668						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: LCS-38914	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/15/2007	RunNo: 138906						
Client ID: ZZZZZ	Batch ID: 38914	TestNo: SW8330	SW8330	Analysis Date: 01/17/2007	SeqNo: 1906668						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.55	0.500	5.000	0	91	70	130				
1,3-Dinitrobenzene	4.84	0.500	5.000	0	97	70	130				
2,4,6-Trinitrotoluene	4.73	0.500	5.000	0	95	70	130				
2,4-Dinitrotoluene	4.80	0.500	5.000	0	96	70	130				
2,6-Dinitrotoluene	5.01	0.500	5.000	0	100	70	130				
2-Amino-4,6-dinitrotoluene	6.10	0.500	5.000	0	122	70	130				
2-Nitrotoluene	4.66	0.500	5.000	0	93	70	130				
3-Nitrotoluene	4.95	0.500	5.000	0	99	70	130				
4-Amino-2,6-dinitrotoluene	4.58	0.500	5.000	0	92	70	130				
4-Nitrotoluene	4.80	0.500	5.000	0	96	70	130				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701661
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: LCS-38914	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/15/2007	RunNo: 138906						
Client ID: ZZZZZ	Batch ID: 38914	TestNo: SW8330	SW8330	Analysis Date: 01/17/2007	SeqNo: 1906669						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HMX	5.33	0.500	5.000	0	106	70	130				
Nitrobenzene	4.84	0.500	5.000	0	97	70	130				
RDX	4.60	0.500	5.000	0	92	70	130				
Tetryl	1.64	0.500	5.000	0	33	70	130				S

Sample ID: MB-38914	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/15/2007	RunNo: 138906						
Client ID: ZZZZZ	Batch ID: 38914	TestNo: SW8330	SW8330	Analysis Date: 01/17/2007	SeqNo: 1906677						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: 0701661-01A	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/15/2007	RunNo: 138906						
Client ID: 200614M-1-004	Batch ID: 38914	TestNo: SW8330	SW8330	Analysis Date: 01/17/2007	SeqNo: 1906679						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.50	0.500	5.000	0	90	50	150				
1,3-Dinitrobenzene	4.62	0.500	5.000	0	92	50	150				
2,4,6-Trinitrotoluene	6.66	0.500	5.000	0	133	50	150				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701661
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: 0701661-01A		SampType: MS		TestCode: 8330_S		Units: mg/Kg		Prep Date: 01/15/2007		RunNo: 138906	
Client ID: 200614M-1-004		Batch ID: 38914		TestNo: SW8330		SW8330		Analysis Date: 01/17/2007		SeqNo: 1906679	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.79	0.500	5.000	0	96	50	150				
2,6-Dinitrotoluene	4.74	0.500	5.000	0	95	50	150				
2-Amino-4,6-dinitrotoluene	5.11	0.500	5.000	0	102	50	150				
2-Nitrotoluene	4.69	0.500	5.000	0	94	50	150				
3-Nitrotoluene	4.89	0.500	5.000	0	98	50	150				
4-Amino-2,6-dinitrotoluene	5.75	0.500	5.000	0	115	50	150				
4-Nitrotoluene	4.64	0.500	5.000	0	93	50	150				
HMX	4.98	0.500	5.000	0	100	50	150				
Nitrobenzene	4.69	0.500	5.000	0	94	50	150				
RDX	4.50	0.500	5.000	0	90	50	150				
Tetryl	3.87	0.500	5.000	0	77	50	150				

Sample ID: 0701661-01A		SampType: MSD		TestCode: 8330_S		Units: mg/Kg		Prep Date: 01/15/2007		RunNo: 138906	
Client ID: 200614M-1-004		Batch ID: 38914		TestNo: SW8330		SW8330		Analysis Date: 01/17/2007		SeqNo: 1906680	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.42	0.500	5.000	0	88	50	150	4.500	1.91	30	
1,3-Dinitrobenzene	4.63	0.500	5.000	0	93	50	150	4.625	0.108	30	
2,4,6-Trinitrotoluene	7.15	0.500	5.000	0	143	50	150	6.665	7.02	30	
2,4-Dinitrotoluene	4.68	0.500	5.000	0	94	50	150	4.790	2.32	30	
2,6-Dinitrotoluene	4.60	0.500	5.000	0	92	50	150	4.735	3.00	30	
2-Amino-4,6-dinitrotoluene	4.90	0.500	5.000	0	98	50	150	5.105	4.00	30	
2-Nitrotoluene	4.70	0.500	5.000	0	94	50	150	4.685	0.320	30	
3-Nitrotoluene	4.62	0.500	5.000	0	92	50	150	4.890	5.57	30	
4-Amino-2,6-dinitrotoluene	5.14	0.500	5.000	0	103	50	150	5.750	11.3	30	
4-Nitrotoluene	4.53	0.500	5.000	0	91	50	150	4.635	2.29	30	
HMX	4.88	0.500	5.000	0	98	50	150	4.980	2.13	30	
Nitrobenzene	4.70	0.500	5.000	0	94	50	150	4.690	0.107	30	
RDX	4.45	0.500	5.000	0	89	50	150	4.500	1.12	30	
Tetryl	3.57	0.500	5.000	0	71	50	150	3.870	8.06	30	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limit	H Sample extraction/analysis holding time exceeded ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
 Work Order: 0701661
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: 0701235-08ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 138762						
Client ID: ZZZZZ	Batch ID: R138762	TestNo: SW9045C		Analysis Date: 01/16/2007	SeqNo: 1904334						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH	11.2	NA							11.12	0.269	20
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Sample ID: 0701661-05ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 138762						
Client ID: 200614M-5-004	Batch ID: R138762	TestNo: SW9045C		Analysis Date: 01/16/2007	SeqNo: 1904347						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH	12.4	NA							12.34	0.0810	20
----	------	----	--	--	--	--	--	--	-------	--------	----

Sample ID: 0701661-08ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 138763						
Client ID: 200614M-8-004	Batch ID: R138763	TestNo: SW9045C		Analysis Date: 01/16/2007	SeqNo: 1904351						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH	12.0	NA							11.96	0.0836	20
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Qualifiers:	B Analyte detected in the associated Method Blank	E Value estimated due to calibration range exceedance	H Sample extraction/analysis holding time exc
	J Analyte detected at less than the PQL	NA Not Applicable	ND Not Detected at the PQL or MDL
	R RPD outside accepted recovery limits	S Spike/Surrogate Recovery exceeds accepted recovery limi	TIC Tentatively Identified Compound

MS. KIM CHAMBERS
MC TECH CORP

Project: 200614M
Site ID: PRRWP-LIME TREATMENT

REI Job #: 0701A15

-Level II Data Package-

RECEIVED
MC TECH
FEB 05 2007

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Narrative*
- *Analytical
Results*
- *Chain-of-
Custody*
- *Level II
QC
Summary*

MC TECH CORP

REIC Work Order: 0701A15

Case Narrative

CLIENT: MC TECH CORP
Project: 200614M
Lab Order: 0701A15

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

Sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted.

CLIENT: MC TECH CORP
Project: 200614M
Lab Order: 0701A15**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
0701A15-01A	200614M-1-005	196609	01/18/2007	01/19/2007
0701A15-02A	200614M-2-005		01/18/2007	01/19/2007
0701A15-03A	200614M-3-005		01/18/2007	01/19/2007
0701A15-04A	200614M-4-005		01/18/2007	01/19/2007
0701A15-05A	200614M-5-005		01/18/2007	01/19/2007
0701A15-06A	200614M-6-005		01/18/2007	01/19/2007
0701A15-07A	200614M-7-005		01/18/2007	01/19/2007
0701A15-08A	200614M-8-005		01/18/2007	01/19/2007

Lab Order: 0701A15
 Client: MC TECH CORP
 Project: 200614M

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0701A15-01A	200614M-1-005	01/18/2007	Soil	EXPLOSIVES		01/23/2007	01/25/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007
0701A15-02A	200614M-2-005			EXPLOSIVES		01/23/2007	01/26/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007
0701A15-03A	200614M-3-005			EXPLOSIVES		01/23/2007	01/25/2007
				EXPLOSIVES		01/23/2007	01/26/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007
0701A15-04A	200614M-4-005			EXPLOSIVES		01/23/2007	01/25/2007
				EXPLOSIVES		01/23/2007	01/26/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007
0701A15-05A	200614M-5-005			EXPLOSIVES		01/23/2007	01/26/2007
				EXPLOSIVES		01/23/2007	01/25/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007
0701A15-06A	200614M-6-005			EXPLOSIVES		01/23/2007	01/25/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007
0701A15-07A	200614M-7-005			EXPLOSIVES		01/23/2007	01/25/2007
				PERCENT MOISTURE			01/29/2007

Lab Order: 0701A15
 Client: MC TECH CORP
 Project: 200614M

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0701A15-07A	200614M-7-005	01/18/2007	Soil	pH			01/22/2007
0701A15-08A	200614M-8-005			EXPLOSIVES		01/23/2007	01/26/2007
				PERCENT MOISTURE			01/29/2007
				pH			01/22/2007

MC TECH CORP

REIC Work Order: 0701A15

Analytical Results



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- Mining & Reclamation Association
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- The Solid Waste Association of North America
- West Virginia Manufacturers Association
- Association of West Virginia Solid Waste Authorities
- West Virginia Oil Marketers & Grocers Association

2/1/2007

Kim Chambers
 MC TECH CORP
 2333 MACCORKLE AVE SUITE 106
 ST. ALBANS, WV 25177-2074

TEL: (304) 215-0099

FAX: (304) 201-2206

RE: 200614M

Order No.: 0701A15

Dear Kim Chambers:

REI Consultants Inc. received 8 sample(s) on 1/19/2007 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Grant Wilton
 Project Manager

CC:
 kchambers@mctechreadymix.com

CLIENT:	MC TECH CORP	WorkOrder:	0701A15
Client Sample ID:	200614M-1-005	Lab ID:	0701A15-01A
Project:	200614M	Collection Date:	1/18/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	20 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
2,4,6-Trinitrotoluene	0.735 mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
2,4-Dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
HMX	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
RDX	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
Tetryl	ND mg/Kg		NA	0.500	1/25/2007 9:11:56 PM
PH		SW9045C			Analyst: DSA
pH	7.03 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701A15
Client Sample ID: 200614M-2-005	Lab ID: 0701A15-02A
Project: 200614M	Collection Date: 1/18/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	21 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
2,4,6-Trinitrotoluene	4.20 mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
2,4-Dinitrotoluene	0.530 mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
4-Amino-2,6-dinitrotoluene	0.600 mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
HMX	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
RDX	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
Tetryl	ND mg/Kg		NA	0.500	1/26/2007 12:04:48 AM
PH		SW9045C			Analyst: DSA
pH	11.9 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP
 Client Sample ID: 200614M-3-005
 Project: 200614M
 Site ID: PRRWP-LIME TREATMENT

WorkOrder: 0701A15
 Lab ID: 0701A15-03A
 Collection Date: 1/18/2007
 Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	23 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	45.4 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
1,3-Dinitrobenzene	7.94 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
2,4,6-Trinitrotoluene	7640 mg/Kg		NA	50.0	1/26/2007 2:00:02 AM
2,4-Dinitrotoluene	45.3 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
2,6-Dinitrotoluene	21.4 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
2-Nitrotoluene	10.0 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
4-Amino-2,6-dinitrotoluene	1.35 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
HMX	ND mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
Nitrobenzene	2.92 mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
RDX	ND mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
Tetryl	ND mg/Kg		NA	0.500	1/25/2007 2:28:40 PM
PH		SW9045C			Analyst: DSA
pH	12.1 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701A15
Client Sample ID:	200614M-4-005	Lab ID:	0701A15-04A
Project:	200614M	Collection Date:	1/18/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE					
Percent Moisture	24 wt%	SM2540 B	NA	0.5	Analyst: CDS 1/29/2007
EXPLOSIVES					
		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	13.9 mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
1,3-Dinitrobenzene	4.94 mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
2,4,6-Trinitrotoluene	298 mg/Kg		NA	5.00	1/26/2007 2:57:40 AM
2,4-Dinitrotoluene	19.2 mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
2,6-Dinitrotoluene	5.90 mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
2-Nitrotoluene	6.83 mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
4-Amino-2,6-dinitrotoluene	0.700 mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
HMX	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
RDX	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
Tetryl	ND mg/Kg		NA	0.500	1/25/2007 1:31:04 PM
PH					
pH	12.3 SU	SW9045C	NA	NA	Analyst: DSA 1/22/2007 2:30:00 PM

Key:	MCL	Maximum Contaminant Level	Qualifiers:	B	Analyte detected in the associated Method Blank
	MDL	Minimum Detection Limit		E	Value estimated due to calibration range exceedance
	NA	Not Applicable		H	Sample extraction/analysis holding time exceeded
	ND	Not Detected at the PQL or MDL		J	Analyte detected at less than the PQL
	PQL	Practical Quantitation Limit		S	Spike/Surrogate Recovery exceeds accepted recovery limits
	TIC	Tentatively Identified Compound		X	Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701A15
Client Sample ID: 200614M-5-005	Lab ID: 0701A15-05A
Project: 200614M	Collection Date: 1/18/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: GDS
Percent Moisture	26 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	2.54 mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
1,3-Dinitrobenzene	3.08 mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
2,4,6-Trinitrotoluene	175 mg/Kg		NA	5.00	1/26/2007 3:55:18 AM
2,4-Dinitrotoluene	5.99 mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
2,6-Dinitrotoluene	2.96 mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
2-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
HMX	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
RDX	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
Tetryl	ND mg/Kg		NA	0.500	1/25/2007 12:33:30 PM
PH		SW9045C			Analyst: DSA
pH	12.4 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701A15
Client Sample ID:	200614M-6-005	Lab ID:	0701A15-06A
Project:	200614M	Collection Date:	1/18/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	28 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
1,3-Dinitrobenzene	4.38 mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
2,4-Dinitrotoluene	4.04 mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
2,6-Dinitrotoluene	2.28 mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
2-Nitrotoluene	2.09 mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
HMX	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
RDX	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
Tetryl	ND mg/Kg		NA	0.500	1/25/2007 4:23:55 PM
PH		SW9045C			Analyst: DSA
pH	12.4 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701A15
Client Sample ID: 200614M-7-005	Lab ID: 0701A15-07A
Project: 200614M	Collection Date: 1/18/2007
Site ID: PRRWP-LIME TREATMENT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	24 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	26.0 mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
1,3-Dinitrobenzene	11.5 mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
2,4,6-Trinitrotoluene	31.9 mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
2,4-Dinitrotoluene	31.1 mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
2-Nitrotoluene	4.22 mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
HMX	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
Nitrobenzene	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
RDX	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
Tetryl	ND mg/Kg		NA	0.500	1/25/2007 5:21:34 PM
PH		SW9045C			Analyst: DSA
pH	8.53 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701A15
Client Sample ID:	200614M-8-005	Lab ID:	0701A15-08A
Project:	200614M	Collection Date:	1/18/2007
Site ID:	PRRWP-LIME TREATMENT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	26 wt%		NA	0.5	1/29/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
1,3-Dinitrobenzene	7.62 mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
2,4-Dinitrotoluene	12.0 mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
2,6-Dinitrotoluene	1.76 mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
2-Nitrotoluene	1.76 mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
HMX	2.76 mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
Nitrobenzene	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
RDX	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
Tetryl	ND mg/Kg		NA	0.500	1/26/2007 1:02:25 AM
PH		SW9045C			Analyst: DSA
pH	11.6 SU		NA	NA	1/22/2007 2:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

MC TECH CORP

REIC Work Order: 0701A15

Chain-of-Custody

MC TECH CORP

REIC Work Order: 0701A15

Level II QC Summary

CLIENT: MC TECH CORP
 Work Order: 0701A15
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-39054	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: ZZZZZ	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915422						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: LCS-39054	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: ZZZZZ	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915423						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	4.72	0.500	5.000	0	94	70	130				
1,3-Dinitrobenzene	4.80	0.500	5.000	0	96	70	130				
2,4,6-Trinitrotoluene	4.74	0.500	5.000	0	95	70	130				
2,4-Dinitrotoluene	4.99	0.500	5.000	0	100	70	130				
2,6-Dinitrotoluene	5.14	0.500	5.000	0	103	70	130				
2-Amino-4,6-dinitrotoluene	6.01	0.500	5.000	0	120	70	130				
2-Nitrotoluene	5.22	0.500	5.000	0	104	70	130				
3-Nitrotoluene	4.68	0.500	5.000	0	94	70	130				
4-Amino-2,6-dinitrotoluene	4.61	0.500	5.000	0	92	70	130				
4-Nitrotoluene	4.62	0.500	5.000	0	92	70	130				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701A15
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: LCS-39054	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: ZZZZZ	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915423						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HMX	4.82	0.500	5.000	0	96	70	130				
Nitrobenzene	4.82	0.500	5.000	0	97	70	130				
RDX	4.70	0.500	5.000	0	94	70	130				
Tetryl	2.19	0.500	5.000	0	44	70	130				S

Sample ID: MB-39054	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: ZZZZZ	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: 0701A15-01A-MS	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: 200614M-1-005	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.40	0.500	5.000	0	88	50	150				
1,3-Dinitrobenzene	4.62	0.500	5.000	0	92	50	150				
2,4,6-Trinitrotoluene	7.44	0.500	5.000	0.7350	134	50	150				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701A15
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: 0701A15-01A-MS	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: 200614M-1-005	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.68	0.500	5.000	0	94	50	150				
2,6-Dinitrotoluene	4.49	0.500	5.000	0	90	50	150				
2-Amino-4,6-dinitrotoluene	4.70	0.500	5.000	0	94	50	150				
2-Nitrotoluene	4.78	0.500	5.000	0	96	50	150				
3-Nitrotoluene	4.64	0.500	5.000	0	93	50	150				
4-Amino-2,6-dinitrotoluene	4.90	0.500	5.000	0	98	50	150				
4-Nitrotoluene	4.54	0.500	5.000	0	91	50	150				
HMX	4.89	0.500	5.000	0	98	50	150				
Nitrobenzene	4.64	0.500	5.000	0	93	50	150				
RDX	4.52	0.500	5.000	0	90	50	150				
Tetryl	3.68	0.500	5.000	0	74	50	150				

Sample ID: 0701A15-01A-MSD	SampType: MSD	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/23/2007	RunNo: 139521						
Client ID: 200614M-1-005	Batch ID: 39054	TestNo: SW8330	SW8330	Analysis Date: 01/25/2007	SeqNo: 1915433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.46	0.500	5.000	0	89	50	150	4.405	1.35	30	
1,3-Dinitrobenzene	4.62	0.500	5.000	0	92	50	150	4.615	0	30	
2,4,6-Trinitrotoluene	5.58	0.500	5.000	0.7350	97	50	150	7.435	28.5	30	
2,4-Dinitrotoluene	4.67	0.500	5.000	0	93	50	150	4.675	0.107	30	
2,6-Dinitrotoluene	4.40	0.500	5.000	0	88	50	150	4.490	1.91	30	
2-Amino-4,6-dinitrotoluene	4.99	0.500	5.000	0	100	50	150	4.700	5.99	30	
2-Nitrotoluene	4.65	0.500	5.000	0	93	50	150	4.780	2.86	30	
3-Nitrotoluene	4.46	0.500	5.000	0	89	50	150	4.635	3.85	30	
4-Amino-2,6-dinitrotoluene	5.06	0.500	5.000	0	101	50	150	4.905	3.01	30	
4-Nitrotoluene	4.37	0.500	5.000	0	87	50	150	4.535	3.71	30	
HMX	4.96	0.500	5.000	0	99	50	150	4.890	1.32	30	
Nitrobenzene	4.61	0.500	5.000	0	92	50	150	4.635	0.541	30	
RDX	4.53	0.500	5.000	0	90	50	150	4.520	0.111	30	
Tetryl	3.82	0.500	5.000	0	76	50	150	3.685	3.60	30	

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701A15
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: MOIST_ORG

Sample ID: 0701C02-01ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 139403						
Client ID: ZZZZZ	Batch ID: R139403	TestNo: SM2540 B		Analysis Date: 01/29/2007	SeqNo: 1913574						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	11	0.5						11.00	0	30	

Sample ID: 0701D05-20ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 139403						
Client ID: ZZZZZ	Batch ID: R139403	TestNo: SM2540 B		Analysis Date: 01/29/2007	SeqNo: 1913595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	22	0.5						21.00	4.65	30	

Sample ID: 0701D05-29ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 139403						
Client ID: ZZZZZ	Batch ID: R139403	TestNo: SM2540 B		Analysis Date: 01/29/2007	SeqNo: 1913605						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	20	0.5						21.00	4.88	30	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedence NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limi	H Sample extraction/analysis holding time exc ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
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CLIENT: MC TECH CORP
 Work Order: 0701A15
 Project: 200614M

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: 0701A15-02ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 139036						
Client ID: 200614M-2-005	Batch ID: R139036	TestNo: SW9045C		Analysis Date: 01/22/2007	SeqNo: 1908381						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	11.9	NA						11.87	0.420	20	

Sample ID: 0701A86-02ADUP	SampType: DUP	TestCode: PH_S	Units: SU	Prep Date:	RunNo: 139036						
Client ID: ZZZZZ	Batch ID: R139036	TestNo: SW9045C		Analysis Date: 01/22/2007	SeqNo: 1908390						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	11.3	NA						11.30	0.0885	20	

Qualifiers:	B Analyte detected in the associated Method Blank	E Value estimated due to calibration range exceedence	H Sample extraction/analysis holding time exc
	J Analyte detected at less than the PQL	NA Not Applicable	ND Not Detected at the PQL or MDL
	R RPD outside accepted recovery limits	S Spike/Surrogate Recovery exceeds accepted recovery limi	TIC Tentatively Identified Compound

MS. KIM CHAMBERS
MC TECH CORP

Project: 2006 14M
Site ID: PRRWP-LIME TREAT

REI Job #: 0701D17

-Level II Data Package-

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- *Level II
QC
Summary*

MC TECH CORP

REIC Work Order: 0701D17

Case Narrative

CLIENT: MC TECH CORP
Project: 2006 14M
Lab Order: 0701D17

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

Sample preservation, such as pH, is verified at time of extraction or analysis based on client requested parameters. Improper preservation is noted on the analytical bench sheet, extraction log, or preservation log and client is notified by close of following business day. All results are reported using preservation compliant samples unless otherwise noted.

CLIENT: MC TECH CORP
Project: 2006 14M
Lab Order: 0701D17**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
0701D17-01A	200614M-1-006	196610	01/25/2007 10:00:00 AM	01/26/2007
0701D17-02A	200614M-2-2006		01/25/2007 10:00:00 AM	01/26/2007
0701D17-03A	200614M-3-006		01/25/2007 10:00:00 AM	01/26/2007
0701D17-04A	200614M-4-006		01/25/2007 10:00:00 AM	01/26/2007
0701D17-05A	200614M-5-006		01/25/2007 10:00:00 AM	01/26/2007
0701D17-06A	200614M-6-006		01/25/2007 10:00:00 AM	01/26/2007
0701D17-07A	200614M-7-006		01/25/2007 10:00:00 AM	01/26/2007
0701D17-08A	200614M-8-006		01/25/2007 10:00:00 AM	01/26/2007

Lab Order: 0701D17
 Client: MC TECH CORP
 Project: 2006 14M

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0701D17-01A	200614M-1-006	01/25/2007 10:00:00 AM	Soil	EXPLOSIVES		01/30/2007	02/01/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007
0701D17-02A	200614M-2-2006			EXPLOSIVES		01/30/2007	02/02/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007
0701D17-03A	200614M-3-006			EXPLOSIVES		01/30/2007	02/01/2007
				EXPLOSIVES		01/30/2007	02/02/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007
0701D17-04A	200614M-4-006			EXPLOSIVES		01/30/2007	02/02/2007
				EXPLOSIVES		01/30/2007	02/01/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007
0701D17-05A	200614M-5-006			EXPLOSIVES		01/30/2007	02/01/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007
0701D17-06A	200614M-6-006			EXPLOSIVES		01/30/2007	02/01/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007
0701D17-07A	200614M-7-006			EXPLOSIVES		01/30/2007	02/01/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007

Lab Order: 0701D17
 Client: MC TECH CORP
 Project: 2006 14M

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0701D17-08A	200614M-8-006	01/25/2007 10:00:00 AM	Soil	EXPLOSIVES		01/30/2007	02/02/2007
				PERCENT MOISTURE			02/07/2007
				pH			02/06/2007

MC TECH CORP

REIC Work Order: 0701D17

Analytical Results



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- Mining & Reclamation Association
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- The Solid Waste Association of North America
- West Virginia Manufacturers Association
- Association of West Virginia Solid Waste Authorities
- West Virginia Oil Marketers & Grocers Association

2/8/2007

Kim Chambers
 MC TECH CORP
 2333 MACCORKLE AVE SUITE 106
 ST. ALBANS, WV 25177-2074

TEL: (304) 215-0099

FAX (304) 201-2206

RE: 2006 14M

Order No.: 0701D17

Dear Kim Chambers:

REI Consultants Inc. received 8 sample(s) on 1/26/2007 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Grant Wilton
 Project Manager

CC:
 kchambers@mctechreadymix.com

CLIENT:	MC TECH CORP	WorkOrder:	0701D17
Client Sample ID:	200614M-1-006	Lab ID:	0701D17-01A
Project:	2006 14M	Collection Date:	1/25/2007 10:00:00 AM
Site ID:	PRRWP- LIME TREAT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	22 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
2,4,6-Trinitrotoluene	0.575 mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
2,4-Dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
2-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
HMX	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
Nitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
RDX	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
Tetryl	ND mg/Kg		NA	0.500	2/1/2007 10:09:34 PM
PH		SW9045C			Analyst: DSA
pH	7.20 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701D17
Client Sample ID: 200614M-2-2006	Lab ID: 0701D17-02A
Project: 2006 14M	Collection Date: 1/25/2007 10:00:00 AM
Site ID: PRRWP- LIME TREAT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	22 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
1,3-Dinitrobenzene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
2,4,6-Trinitrotoluene	4.19 mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
2,4-Dinitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
2,6-Dinitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
2-Nitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
4-Amino-2,6-dinitrotoluene	0.640 mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
HMX	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
Nitrobenzene	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
RDX	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
Tetryl	ND mg/Kg		NA	0.500	2/2/2007 1:02:26 AM
PH		SW9045C			Analyst: DSA
pH	11.0 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701D17
Client Sample ID:	200614M-3-006	Lab ID:	0701D17-03A
Project:	2006 14M	Collection Date:	1/25/2007 10:00:00 AM
Site ID:	PRRWP- LIME TREAT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	23 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	29.5 mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
1,3-Dinitrobenzene	3.47 mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
2,4,6-Trinitrotoluene	609 mg/Kg		NA	5.00	2/2/2007 4:52:56 AM
2,4-Dinitrotoluene	19.2 mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
2,6-Dinitrotoluene	11.7 mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
2-Nitrotoluene	10.9 mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
HMX	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
Nitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
RDX	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
Tetryl	ND mg/Kg		NA	0.500	2/1/2007 4:24:01 PM
PH		SW9045C			Analyst: DSA
pH	11.9 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701D17
Client Sample ID: 200614M-4-006	Lab ID: 0701D17-04A
Project: 2006 14M	Collection Date: 1/25/2007 10:00:00 AM
Site ID: PRRWP- LIME TREAT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	24 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	29.3 mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
1,3-Dinitrobenzene	5.26 mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
2,4,6-Trinitrotoluene	2340 mg/Kg		NA	50.0	2/2/2007 3:55:18 AM
2,4-Dinitrotoluene	25.2 mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
2,6-Dinitrotoluene	10.6 mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
2-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
HMX	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
Nitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
RDX	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
Tetryl	ND mg/Kg		NA	0.500	2/1/2007 3:18:02 PM
PH		SW9045C			Analyst: DSA
pH	12.1 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701D17
Client Sample ID: 200614M-5-006	Lab ID: 0701D17-05A
Project: 2006 14M	Collection Date: 1/25/2007 10:00:00 AM
Site ID: PRRWP- LIME TREAT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	23 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
1,3-Dinitrobenzene	2.52 mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
2,4,6-Trinitrotoluene	41.3 mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
2,4-Dinitrotoluene	4.12 mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
2,6-Dinitrotoluene	2.66 mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
2-Nitrotoluene	4.06 mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
4-Amino-2,6-dinitrotoluene	4.17 mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
HMX	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
Nitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
RDX	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
Tetryl	ND mg/Kg		NA	0.500	2/1/2007 2:20:26 PM
PH		SW9045C			Analyst: DSA
pH	12.3 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT: MC TECH CORP	WorkOrder: 0701D17
Client Sample ID: 200614M-6-006	Lab ID: 0701D17-06A
Project: 2006 14M	Collection Date: 1/25/2007 10:00:00 AM
Site ID: PRRWP- LIME TREAT	Matrix: SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	29 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
1,3-Dinitrobenzene	3.01 mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
2,4-Dinitrotoluene	2.46 mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
2,6-Dinitrotoluene	1.51 mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
2-Nitrotoluene	4.30 mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
HMX	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
Nitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
RDX	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
Tetryl	ND mg/Kg		NA	0.500	2/1/2007 5:21:37 PM
PH		SW9045C			Analyst: DSA
pH	12.4 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701D17
Client Sample ID:	200614M-7-006	Lab ID:	0701D17-07A
Project:	2006 14M	Collection Date:	1/25/2007 10:00:00 AM
Site ID:	PRRWP- LIME TREAT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	24 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	23.2 mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
1,3-Dinitrobenzene	10.8 mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
2,4,6-Trinitrotoluene	24.4 mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
2,4-Dinitrotoluene	25.0 mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
2,6-Dinitrotoluene	3.53 mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
2-Nitrotoluene	9.78 mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
HMX	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
Nitrobenzene	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
RDX	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
Tetryl	ND mg/Kg		NA	0.500	2/1/2007 6:19:13 PM
PH		SW9045C			Analyst: DSA
pH	8.32 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

CLIENT:	MC TECH CORP	WorkOrder:	0701D17
Client Sample ID:	200614M-8-006	Lab ID:	0701D17-08A
Project:	2006 14M	Collection Date:	1/25/2007 10:00:00 AM
Site ID:	PRRWP- LIME TREAT	Matrix:	SOIL

Analyses	Result Units	Qual	MDL	PQL	Date Analyzed
PERCENT MOISTURE		SM2540 B			Analyst: CDS
Percent Moisture	24 wt%		NA	0.5	2/7/2007
EXPLOSIVES		SW8330		/SW8330	Analyst: CLS
1,3,5-Trinitrobenzene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
1,3-Dinitrobenzene	8.96 mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
2,4,6-Trinitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
2,4-Dinitrotoluene	13.0 mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
2,6-Dinitrotoluene	2.43 mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
2-Amino-4,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
2-Nitrotoluene	6.84 mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
3-Nitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
4-Amino-2,6-dinitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
4-Nitrotoluene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
HMX	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
Nitrobenzene	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
RDX	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
Tetryl	ND mg/Kg		NA	0.500	2/2/2007 2:00:03 AM
PH		SW9045C			Analyst: DSA
pH	11.8 SU		NA	NA	2/6/2007 1:30:00 PM

Key: MCL Maximum Contaminant Level
 MDL Minimum Detection Limit
 NA Not Applicable
 ND Not Detected at the PQL or MDL
 PQL Practical Quantitation Limit
 TIC Tentatively Identified Compound

Qualifiers: B Analyte detected in the associated Method Blank
 E Value estimated due to calibration range exceedance
 H Sample extraction/analysis holding time exceeded
 J Analyte detected at less than the PQL
 S Spike/Surrogate Recovery exceeds accepted recovery limits
 X Value exceeds Maximum Contaminant Level or Regulatory Level

MC TECH CORP

REIC Work Order: 0701D17

Chain-of-Custody

MC TECH CORP

REIC Work Order: 0701D17

Level II QC Summary

CLIENT: MC TECH CORP
 Work Order: 0701D17
 Project: 2006 14M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: MB-39109	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/30/2007	RunNo: 139738						
Client ID: ZZZZZ	Batch ID: 39109	TestNo: SW8330	SW8330	Analysis Date: 02/01/2007	SeqNo: 1919373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: LCS-39109	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/30/2007	RunNo: 139738						
Client ID: ZZZZZ	Batch ID: 39109	TestNo: SW8330	SW8330	Analysis Date: 02/01/2007	SeqNo: 1919374						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trinitrobenzene	4.81	0.500	5.000	0	96	70	130				
1,3-Dinitrobenzene	4.90	0.500	5.000	0	98	70	130				
2,4,6-Trinitrotoluene	4.76	0.500	5.000	0	95	70	130				
2,4-Dinitrotoluene	5.12	0.500	5.000	0	102	70	130				
2,6-Dinitrotoluene	5.36	0.500	5.000	0	107	70	130				
2-Amino-4,6-dinitrotoluene	5.90	0.500	5.000	0	118	70	130				
2-Nitrotoluene	5.01	0.500	5.000	0	100	70	130				
3-Nitrotoluene	5.09	0.500	5.000	0	102	70	130				
4-Amino-2,6-dinitrotoluene	4.96	0.500	5.000	0	99	70	130				
4-Nitrotoluene	5.00	0.500	5.000	0	100	70	130				

Qualifiers: B Analyte detected in the associated Method Blank E Value estimated due to calibration range exceedence H Sample extraction/analysis holding time exc
 J Analyte detected at less than the PQL NA Not Applicable ND Not Detected at the PQL or MDL
 R RPD outside accepted recovery limits S Spike/Surrogate Recovery exceeds accepted recovery limi TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701D17
 Project: 2006 14M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: LCS-39109	SampType: LCS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/30/2007	RunNo: 139738						
Client ID: ZZZZZ	Batch ID: 39109	TestNo: SW8330	SW8330	Analysis Date: 02/01/2007	SeqNo: 1919374						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HMX	4.96	0.500	5.000	0	99	70	130				
Nitrobenzene	4.91	0.500	5.000	0	98	70	130				
RDX	4.82	0.500	5.000	0	96	70	130				
Tetryl	2.73	0.500	5.000	0	55	70	130				S

Sample ID: MB-39109	SampType: MBLK	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/30/2007	RunNo: 139738						
Client ID: ZZZZZ	Batch ID: 39109	TestNo: SW8330	SW8330	Analysis Date: 02/01/2007	SeqNo: 1919382						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	ND	0.500									
1,3-Dinitrobenzene	ND	0.500									
2,4,6-Trinitrotoluene	ND	0.500									
2,4-Dinitrotoluene	ND	0.500									
2,6-Dinitrotoluene	ND	0.500									
2-Amino-4,6-dinitrotoluene	ND	0.500									
2-Nitrotoluene	ND	0.500									
3-Nitrotoluene	ND	0.500									
4-Amino-2,6-dinitrotoluene	ND	0.500									
4-Nitrotoluene	ND	0.500									
HMX	ND	0.500									
Nitrobenzene	ND	0.500									
RDX	ND	0.500									
Tetryl	ND	0.500									

Sample ID: 0701D17-01A	SampType: MS	TestCode: 8330_S	Units: mg/Kg	Prep Date: 01/30/2007	RunNo: 139738						
Client ID: 200614M-1-006	Batch ID: 39109	TestNo: SW8330	SW8330	Analysis Date: 02/01/2007	SeqNo: 1919384						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.47	0.500	5.000	0	89	50	150				
1,3-Dinitrobenzene	4.60	0.500	5.000	0	92	50	150				
2,4,6-Trinitrotoluene	6.44	0.500	5.000	0.5750	117	50	150				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value estimated due to calibration range exceedence	H	Sample extraction/analysis holding time exc
J	Analyte detected at less than the PQL	NA	Not Applicable	ND	Not Detected at the PQL or MDL
R	RPD outside accepted recovery limits	S	Spike/Surrogate Recovery exceeds accepted recovery limi	TIC	Tentatively Identified Compound

CLIENT: MC TECH CORP
 Work Order: 0701D17
 Project: 2006 14M

ANALYTICAL QC SUMMARY REPORT

TestCode: 8330_S

Sample ID: 0701D17-01A		SampType: MS		TestCode: 8330_S		Units: mg/Kg		Prep Date: 01/30/2007		RunNo: 139738	
Client ID: 200614M-1-006		Batch ID: 39109		TestNo: SW8330		SW8330		Analysis Date: 02/01/2007		SeqNo: 1919384	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.80	0.500	5.000	0	96	50	150				
2,6-Dinitrotoluene	4.84	0.500	5.000	0	97	50	150				
2-Amino-4,6-dinitrotoluene	4.82	0.500	5.000	0	96	50	150				
2-Nitrotoluene	4.66	0.500	5.000	0	93	50	150				
3-Nitrotoluene	4.36	0.500	5.000	0	87	50	150				
4-Amino-2,6-dinitrotoluene	5.42	0.500	5.000	0	108	50	150				
4-Nitrotoluene	4.41	0.500	5.000	0	88	50	150				
HMX	4.35	0.500	5.000	0	87	50	150				
Nitrobenzene	4.57	0.500	5.000	0	91	50	150				
RDX	4.48	0.500	5.000	0	90	50	150				
Tetryl	3.84	0.500	5.000	0	77	50	150				

Sample ID: 0701D17-01A		SampType: MSD		TestCode: 8330_S		Units: mg/Kg		Prep Date: 01/30/2007		RunNo: 139738	
Client ID: 200614M-1-006		Batch ID: 39109		TestNo: SW8330		SW8330		Analysis Date: 02/02/2007		SeqNo: 1919385	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trinitrobenzene	4.34	0.500	5.000	0	87	50	150	4.470	2.95	30	
1,3-Dinitrobenzene	4.66	0.500	5.000	0	93	50	150	4.600	1.40	30	
2,4,6-Trinitrotoluene	6.45	0.500	5.000	0.5750	117	50	150	6.435	0.155	30	
2,4-Dinitrotoluene	4.88	0.500	5.000	0	98	50	150	4.795	1.78	30	
2,6-Dinitrotoluene	4.80	0.500	5.000	0	96	50	150	4.835	0.622	30	
2-Amino-4,6-dinitrotoluene	5.15	0.500	5.000	0	103	50	150	4.815	6.72	30	
2-Nitrotoluene	4.52	0.500	5.000	0	90	50	150	4.660	3.05	30	
3-Nitrotoluene	4.83	0.500	5.000	0	97	50	150	4.365	10.1	30	
4-Amino-2,6-dinitrotoluene	5.57	0.500	5.000	0	111	50	150	5.415	2.82	30	
4-Nitrotoluene	4.64	0.500	5.000	0	93	50	150	4.410	5.08	30	
HMX	4.92	0.500	5.000	0	98	50	150	4.350	12.3	30	
Nitrobenzene	4.72	0.500	5.000	0	94	50	150	4.570	3.12	30	
RDX	4.43	0.500	5.000	0	89	50	150	4.475	1.01	30	
Tetryl	3.34	0.500	5.000	0	67	50	150	3.835	13.9	30	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected at less than the PQL R RPD outside accepted recovery limits	E Value estimated due to calibration range exceedance NA Not Applicable S Spike/Surrogate Recovery exceeds accepted recovery limit	H Sample extraction/analysis holding time exceeded ND Not Detected at the PQL or MDL TIC Tentatively Identified Compound
--	--	--

CLIENT: MC TECH CORP

Work Order: 0701D17

Project: 2006 14M

ANALYTICAL QC SUMMARY REPORT

TestCode: MOIST_ORG

Sample ID: 0701D17-08ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 139919						
Client ID: 200614M-8-006	Batch ID: R139919	TestNo: SM2540 B		Analysis Date: 02/07/2007	SeqNo: 1921623						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	25	0.5						24.00	4.08	30	

Sample ID: 0701F33-12ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 139919						
Client ID: ZZZZZ	Batch ID: R139919	TestNo: SM2540 B		Analysis Date: 02/07/2007	SeqNo: 1921649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	19	0.5						18.00	5.41	30	

Sample ID: 0702185-04ADUP	SampType: DUP	TestCode: MOIST_ORG	Units: wt%	Prep Date:	RunNo: 139919						
Client ID: ZZZZZ	Batch ID: R139919	TestNo: SM2540 B		Analysis Date: 02/07/2007	SeqNo: 1922095						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16	0.5						17.00	6.06	30	

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected at less than the PQL
 R RPD outside accepted recovery limits
 E Value estimated due to calibration range exceedence
 NA Not Applicable
 S Spike/Surrogate Recovery exceeds accepted recovery limi
 H Sample extraction/analysis holding time exc
 ND Not Detected at the PQL or MDL
 TIC Tentatively Identified Compound

CLIENT: MC TECH CORP
Work Order: 0701D17
Project: 2006 14M

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: 0701D17-08ADUP		SampType: DUP		TestCode: PH_S		Units: SU		Prep Date:		RunNo: 139846	
Client ID: 200614M-8-006		Batch ID: R139846		TestNo: SW9045C				Analysis Date: 02/06/2007		SeqNo: 1920960	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	11.8	NA						11.79	0.254	20	

Qualifiers:
B Analyte detected in the associated Method Blank
E Value estimated due to calibration range exceedence
H Sample extraction/analysis holding time exc
J Analyte detected at less than the PQL
NA Not Applicable
ND Not Detected at the PQL or MDL
R RPD outside accepted recovery limits
S Spike/Surrogate Recovery exceeds accepted recovery limi
TIC Tentatively Identified Compound

APPENDIX C

FIELD REPORTS

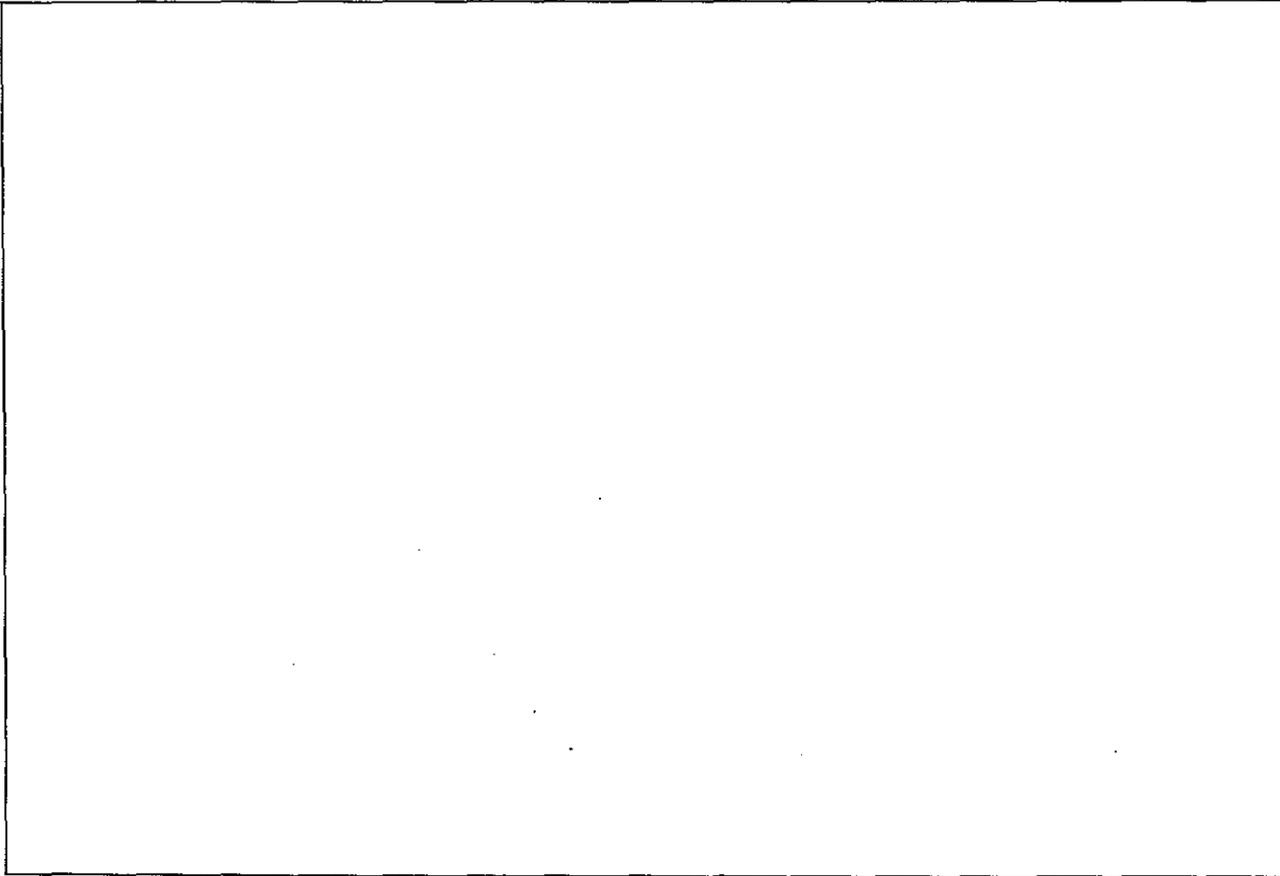
**Digging and Excavation Permit
Contractor's Quality Control Report
Equipment Safety Inspection Checklist
Daily Safety Meeting**

Digging and Excavation Permit

Part I - To be completed by the Requestor

Requestor (Please print clearly): Michael Malloy		Request Date: 11/27/06
Requestor's Organization: McTech	Requestor's Mail Stop: 8100 Grand Cleveland, Ohio 44104	Requestor's Phone Number: (216) 857-4517
Work Order or Contract Number: (Contract Number) W91237-06-C-0006	Site Location: Plum Brook Ordnance Works - Pentolite Road Red Water Ponds Area. Sandusky, Ohio	
<p>Description of Work (Include start and stop dates, reference drawings, etc. Attach a plot plan of the work area.)</p> <p>The excavation will take place at former Plum Brook Ordnance Works Pentolite Road Red Water Pond Area. The excavation limits and location for the Lime Treatment Pilot Study are within the limit of the contaminated area identified by the <i>Final Interim Soil Removal Action Report WTI 2006</i>. Attached is the drawing prepared from the survey performed by Mountain State Company, also found in the Plan of Operations Appendix B prepared by McTech Corp. The basic operations to be performed at this site, within the previously identified limits of contamination are: excavation of contaminated soil placing the soil in test plots, the tilling of the soil with hydrated or slaked lime, field sampling with confirmation analysis, a survey for volume of soil tested, replacement of excavated soil back into the ground from where it was taken, and final grading, mulching and seeding with naturally occurring grasses.</p>		
<p>Description of All Safety and Environmental Control Measures:</p> <p>During all excavation operations a competent person will be on site supervising work performed who has authority to stop all work if any unsafe conditions occur.</p> <p>Each week a tool box safety meeting will be conducted with personnel on site to discuss relevant dangers and hazards encountered at current stage of work.</p> <p>At no time will personnel be permitted to enter the excavation.</p> <p>If odors from contaminants are traced, work will be stopped and the Site Safety and Health Officer will evaluate and make determination whether air monitoring and additional Personal Protective Equipment is necessary.</p> <p>Any time excavations are left for any period of time, orange fencing will be installed around perimeter at least 2 feet from edge.</p> <p>Appropriate personal protective equipment is required to be worn when handling contaminated soil (i.e. gloves, eye protection, etc.)</p> <p>Equipment and tools used for this project will be decontaminated in an appropriate manner as specified in the Plan of Operations.</p>		

Digging and Excavation Permit



Digging and Excavation Permit

Additional Comments:

No underground utilities pose hazard to proposed digging and excavation.
 Any steel piping standing above grade near sites will be marked off and be made apparent to operators of heavy machinery to prevent damage.

Part II - To be completed by the Requestor's Supervisor or Sub-Contract Monitor

Yes	No	
X		Have known underground utilities and structures been identified and physically located and marked?
X		Have all conflicts between the proposed digging and excavation activity and the underground utilities and structures been resolved?
X		Have protective systems been identified and implemented to protect personnel from cave-ins or collapsing soil?
	X	Has a C-133, Soil Determination Checklist been completed in accordance with Chapter 34 of the GRC Environmental Programs Manual?

Competent Person: Gary Cooper <i>Gary Cooper</i> (C&K Industrial Services)	Organization: McTech	Phone Number: (304)-389-4722
Requestor's Supervisor or Sub-Contract Monitor: Kimberlie Chambers <i>Kimberlie K. Chambers</i>	Phone Number: (304) 215-0099	Date: 11/27/06

Part III - To be completed by GSO and EMO

Yes	No	
		Have all known and potential safety hazards been identified?
		Have known underground utilities and structures been identified and physically located and marked?
		Have all conflicts between the proposed digging and excavation activity and the underground utilities and structures been resolved?
		Have adequate safety control measure been identified and implemented?
✓		Have all known and potential environmental concerns been identified and adequately controlled (Eg, stormwater control)?
	✓	Has a C-133, Soil Determination Checklist been completed in accordance with Chapter 34 of the GRC Environmental Programs Manual? <i>Remedial Project.</i>

Glenn Safety Office: <i>GARY R. KONIKVAR</i>	Approval Date: <i>11/30/06</i>
Environmental Management Office: <i>Robert J. Jolly</i>	Approval Date: <i>11/27/06</i>
Plum Brook Reactor Facility Manager (if required):	Approval Date:

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/9/06 REPORT NO. 001

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Saturday

no work

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/10/06 REPORT NO. 007

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No work - Sunday

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/11/06 REPORT NO. 003

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45° MIN 40°
PRECIPITATION:

INCHES Ø

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK

PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - James Russell, Dan Cashbaugh, Michael Halley

MCTECH EQUIP. - Mack Back Truck Van, Pull Trailer, DEERE DOZER
L. Whitely Excavator

b. C&K - Fuel Tank, 2 GENERATORS
Gary Cooper

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Excavation area marked then measured as 23' x 29 1/2'
Foot intervals were excavated & moved to separate
piles. photos taken. 4 FEET excavated & 4 corresponding
piles marked labeled.

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 12/1/00
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/12/00 REPORT NO. 004

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 57 MIN 45 (°F)

PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK

PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cash Bouch, J. Russell, M. Malloy

MCTECH EQUIP. - Deere Digger, Cat 340 Excavator, Van, Pull Trailer, Mack Rock Truck.

b. C&K - Fuel Truck, 2 Generators
Gary Cooper

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

5th to 8th Foot excavated and layed out in separate piles. Excavation perimeter was barricaded with safety fence. Piles 1-8 measured & sketches made

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 12/12/06
CONTRACTOR'S APPROVED/AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/13/06 REPORT NO. 005

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 50 MIN 40 (°F)
PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh, J. Russell, M. Malloy

MCTECH EQUIP. - DEERE Dozer, Link Belt Excavator, Mack Dump Truck, Pull Trailer, Van

b. C&K (Equip.) - Dually Ford Truck, 2 Generators
(Crew) - Gary Cooper

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Performed site maintenance & preparation of piles to standard height/thickness. Mobilized Job trailer & Porto-John

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

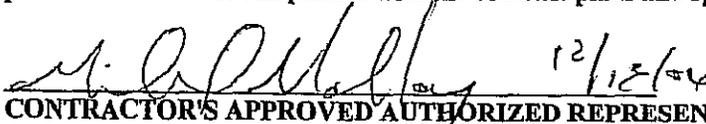
None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.


CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/14/06 REPORT NO. 506

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 55 MIN 40 F)
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - ~~McTech~~ D. Cashbaugh, J. Russell
M. Malcom

MCTECH EQUIP. - Link Belt Excavator, Van

b. C&K - (Crew) Gary Cooper
(Equip.) - Doelly Fuel Truck, 2 - Generators.

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Site maintenance performed on site to job trailer & to individual stockpiles for organizational purposes. The Deere Dozer & trailer were loaded to Grey Mack tandem axle rock truck & Driver brought on site to take back to MITEch yard.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

None

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

None

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. C. Malloy 12/14/06
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/15/06 REPORT NO. 007

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW- _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No work

4 - 10HR days

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/16/06 REPORT NO. 008

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No Work - Saturday

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/7/06 REPORT NO. 009

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/18/06 REPORT NO. 010

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 50° MIN 42°F

PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - K. Chambers, M. Malloy, D. Cashbaugh

MCTECH EQUIP. - Link belt 160 cx, Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Dually Fuel Truck, 2 Generators

c. _____

d. Job Trailer

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Waste analysis sampling performed today on 8 piles
Grab samples taken, placed in containers, labeled & shipped
Mock pH sampling performed on soil alkalinity.
Field record log made for d.p.R. measurements to be taken every day.

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

independent researcher wanting to take samples was delayed.

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Michael J. Kelly 12/18/06
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/19/06 REPORT NO. 011

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 50°F MIN 40°F
PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - K. Chambers, M. Malloy, D. Cashbrough

MCTECH EQUIP. - LinkBelt 160 Lx Excavator, Van

b. C&K CREW - Gary Cooper

C&K EQUIP. - Fuel Truck, 2 Generators, Gehl TC 80 w/ Tiller Attach.

c. _____

d. Job Trailer.

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Supplies purchased for transport of large samples of field soil. 5 gal. buckets filled & transported back to lab for independent research. Lime loaded into truck & mobilized to PRRWP.
Began tilling until hydraulic line betw. skid steer & tiller busted.

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

John Malloy 12/19/06
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/20/06 REPORT NO. 012

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45 MIN 40 °F
PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh

MCTECH EQUIP. - Link Belt 160 LX

b. C&K CREW - Gary Cooper

C&K EQUIP - Dually (Fuel Truck), 2 gas generators.
Gehl TL 80

c. _____

d. _____

e. _____

f. _____

g. _____

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/21/06 REPORT NO. 013

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS C

TEMPERATURE:

45°
MAX 45° MIN 40° F

PRECIPITATION:

INCHES 2"

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK

PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh

MCTECH EQUIP. - Lash Belt 160 LX

b. C&K CREW - Gary Cooper

C&K EQUIP - Fuel Truck, Gas generator, Gen'l TC 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Crushed stone brought on site today to make clean surface for vehicles near trailer. pH readings made with dial type, garden pH meter. But heavy rain would not allow lime to be added

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 12/21/06 Not on site
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/22/06 REPORT NO. 014

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS C

TEMPERATURE:

MAX 45[°] MIN 40[°] F
PRECIPITATION:

INCHES 2["]

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D Cashbaugh

MCTECH EQUIP. - Link Belt 1600 LX

b. C&K CREW - Gary Cooper

C&K EQUIP - Fuel Truck, gas Generator, Gehl TL 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Rain continued and created another day where line could not be mixed with soil.
Army Corps. Rabb meeting on site today of site tour.

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Michael Malloy 12/22/06 Not on site
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/23/06 REPORT NO. 015

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Saturday - No work

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/24/06 REPORT NO. 016

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW- _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Sunday - No Work

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/25/06 REPORT NO. 017

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Holiday - No Work

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/26/06 REPORT NO. 018

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 75° MIN 40° F

PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh

MCTECH EQUIP. - Link Belt 160 LX

b. C&K CREW - Gary Cooper

C&K EQUIP. - Fuel Tank, Gas Generator

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

pH samples taken from each pile & recorded.
Lime taken from dry area storage & added to piles as needed to maintain pH level.
Tilling performed on all piles.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A.

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

N/A

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. D. Kelly 12/20/06 (Not on site)
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/27/00 REPORT NO. 019

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45 MIN 40 °F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbough

MCTECH EQUIP. - Link Belt 160 LX

b. C&K CREW - Gary Cooper

C&K EQUIP. - Fuel Truck, Gas Generator

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

pH readings read from all stockpiles today of
lime spread through piles according to pH schedule
planned. Tilling performed on all piles.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

N/A

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Will Kelly 12/27/06 (Not on site)
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/28/06 REPORT NO: 020

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45 MIN 40 °F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW- Michael Malloy D. Cashbaugh

MCTECH EQUIP.- Limbelt 160 cx, Van Diesel.

b. C&K CREW- Gary Cooper

C&K EQUIP- Fuel Truck, Gas Generator. Seihl TC 80

- c. _____
- d. _____
- e. _____
- f. _____
- g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

pH samples collected, Line brought from storage
20 bags - 5 lb pails 3, 4, 5 & 6 (50# bags).
Tilling activities performed. Safety Fence & posts reinstalled to make larger perimeter around excavation

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W.P. Malley 12/28/06
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/29/06 REPORT NO. 021

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:
0

MAX 45 MIN 40 °F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Mally ~~_____~~ D. Cashbaugh

MCTECH EQUIP. - Link Belt 160 LX

b. C&K CREW - Gary Cooper

C&K EQUIP. - Fuel Truck, gas Generator, GIL TC 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Tilling activities performed. pH sampling & measuring performed on all plots.

Confirmation samples also taken & sent out to Reic Labs.

Scott Dean v.s. ted s.l.c for progress update

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

Confirmation sampling on pH, moisture & UV requested from Reic Labs.

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Michael Malloy 12/29/06
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/30/06 REPORT NO. 022

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____

TEMPERATURE:

MAX _____ MIN _____

PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW- _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Saturday - No Work

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 12/31/06 REPORT NO. 023

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW- _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 11/07 REPORT NO. 024

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No work today
Holiday

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 4/2/07 REPORT NO. 025

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No work performed
Govt Holiday

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 4/3/06 REPORT NO. 026

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45° F MIN 40° F
PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Malloy K. Chambers D. Cashbaugh

MCTECH EQUIP. - Van, Linkbelt 160 LX

b. C&K CREW - _____

C&K EQUIP. - Fuel Truck, Gehl TC 80, Generator

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Lime (5-50# bags) added to piles 2-6, 8, 1 & 7 filled & only. pH samples taken for daily observation & logs. Readings collected by Indicator paper. "Oshkosh" pH meter & garden dial gauge

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

N/A

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

Plans specify schedule that is done on a week's cycle not on a number of days filling.

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Michael Malloy 1/3/07

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/4/07 REPORT NO. 025 027

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45^o MIN 40^o F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - K. Chambers M. Malloy D. Cashbaugh

MCTECH EQUIP. - Link belt 160 lx, Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Fuel Truck, Gehl TC 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Collected confirmation samples on all 8 piles in field, pH measurements taken in piles - 5 pts with existing meter & rapid pH meter. 3- 50# bags added to piles 3, 4, 5 & 6 & then all piles tilled.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

pH, nitroaromatics & moisture analysis requested on samples sent out today by R&E labs.

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

Adjustment to lime dosage changed today for piles 3, 4, 5, 6 treatment piles from 5 to 3 50 lb. bags.

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

Quick Release attachment replaced on Gehl TC80 before tilling operations. Piece broke after tilling on 4/3/07

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. J. Malloy 4/4/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 11/5/07 REPORT NO. 028

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS B
TEMPERATURE:

MAX 45° MIN 40° F
PRECIPITATION:

INCHES 3"

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Malloy

MCTECH EQUIP. - Van Lwbelt 160Lx

b. C&K CREW - _____

C&K EQUIP. - Fuel Truck Generator 604L TC 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No titling or pH measurements performed today
Raining heavy last night of all day
Drums shipped to Vicksburg MS For Victor Medina
USACE environmental laboratory

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

N/A

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

N/A

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

N/A

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Michael Hall 1/5/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/6/07 REPORT NO. 029

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No work performed
Saturday

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W.P. Malley 4/6/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/7/07 REPORT NO. 030

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

- a. McTECH CREW - _____
- _____
- _____
- _____
- b. C&K CREW - _____
- _____
- c. C&K EQUIP - _____
- _____
- c. _____
- d. _____
- _____
- e. _____
- _____
- f. _____
- _____
- g. _____
- _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No Work Performed
(Sunday)

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 1/7/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/8/07 REPORT NO. 031

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45° MIN 40° F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Gahbaugh, M. Malloy

MCTECH EQUIP. - Linkbelt 160 LX, Van

b. C&K CREW - Gary Cooper

C&K EQUIP. - Generator, Gehl TL80

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Samples collected in plastic bags from piles 1-8 & brought to trailer for pH measurements. Line added to piles 3, 4, 5, 6 (3 bags each) & piles 1-8 tilled

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

N/A

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

N/A

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

N/A

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. J. Malloy 4/8/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/9/07 REPORT NO. 032

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006
McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45[°] MIN 40[°] F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

- a. MCTECH CREW - M. Malloy D. Cashbaugh
- MCTECH EQUIP. - Van, Umbelt 1602x
- b. C&K CREW - Gary Cooper
- C&K EQUIP - Umbelt TC 30 skid steer, Generator
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

pH samples collected & measured in tractor using indicator paper, rapid test pH meter & exst. k II pH meter.

No ~~filling~~ addition of lime necessary. pH readings all above 11 for piles 3-6. Tilling Piles 1-3 performed

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

N/A

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

N/A

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. J. Pfaller 1/9/57

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 11/01/07 REPORT NO. 033

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 40° MIN 35°
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh, M. Malloy, J. C. Patti,
P. Crawford

MCTECH EQUIP. - Linkbelt + 160 cx, Van 121

b. C&K CREW - Gary Cooper

C&K EQUIP. - Gehl T280 skid steer, Generator

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

3 bags of lime were added to all piles bot 1. & 7.
This was done after pH samples taken. Every Wednesday
weekly piles 2, & 8. receive lime for mixture.
Filling performed

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

N/A

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

Joe C. Poni & Phil Crawford on site visiting PRRWTF
for prospective future soil removal project, & progress meeting.

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.



CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/11/07 REPORT NO. 034

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 45° MIN 40°
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh, M. Malloy

MCTECH EQUIP. - Linkbelt 160 cx, Van

b. C&K CREW - Gary Cooper

C&K EQUIP. - Gehl 674 80, Generator

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

5 ft Confirmation samples taken for shipment to REC Labs. Same collector of soil used for pH daily readings

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

~~N/A~~ pH, nitroaromatics & moisture testing sent for analysis.

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

N/A

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

N/A

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 11/10/07

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 11/2/07 REPORT NO. 035

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 45 MIN 40 F

PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh M. Malloy

MCTECH EQUIP. - Linkbelt 160Lx Van

b. C&K CREW - Gary Cooper

C&K EQUIP. - Gehl CT80 Generator.

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

5 Pt. Samples taken from each treatment pit for
PH measurement in pit
Records taken of pts.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

N/A

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

N/A

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

N/A

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

N/A

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

N/A

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 4/21/07

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 11/3/07 REPORT NO. 036

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. McTECH CREW - _____

McTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No Work performed today
Saturday

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

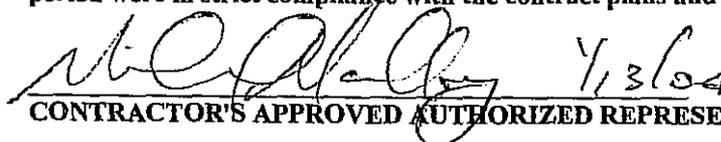
4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.



CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/14/07 REPORT NO. 037

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW- _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No Work Performed
today is Sunday
1/14/07

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

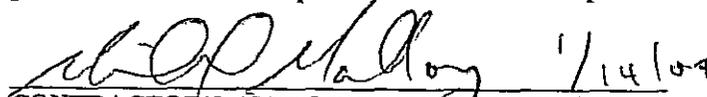
4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.


1/14/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/15/07 REPORT NO. 038

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

- MUK Day -
No work performed Today

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Michael A. Day 1/15/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/16/07 REPORT NO. 039

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 32 MIN 18 °F
PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Malloy D. Cashbaugh
MCTECH EQUIP. - Lincoln 1600x Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Generator Gehl CTL 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

pH measurements performed in Tranter
after 5 pt grabs taken from each pile.
Pictures taken
Tilling of all piles.
No time added as pH was in above 10.5+ for appropriate piles

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F- appropriate Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

None

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

None pH measurements

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

Richard Kelley 1/16/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 7/17/07 REPORT NO. 040

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 28° F MIN 8° F
PRECIPITATION:

INCHES ∅

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Mallory, D. Parlbough

MCTECH EQUIP. - Link belt 160 Lx, Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Generator 12000 Cyl 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

5 pt. pH measurements performed.
pH high enough not to add more lime to piles.
No Tilling performed.

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

~~PH~~ measurements None

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

pH measurements

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. R. [Signature] 4/17/07

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/18/07 REPORT NO. 041

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 36° MIN 21° F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Mullan D. Cashbough

MCTECH EQUIP. - Link belt 160 cx Van

b. C&K CREW - Gary Casper

C&K EQUIP - Generator, diesel CTZ 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Confirmation Samples collected from each pile
el sent to Rain.

pH measurements made from same sample.
No Tilling performed.

No Lime added to piles as pH readings were +10.5,

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

None

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

pH, Nitrocompounds, Moisture.

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W.D. Malloy 4/18/07

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/19/07 REPORT NO. 844 042

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____

TEMPERATURE:

MAX _____ MIN _____

PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

No Work Performed Today

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

Lisa Humphreys on site stayed with Sgt. Cooper
Heavy Snow.

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 4/19/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/28/07 REPORT NO. 043

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Saturday - No Work Performed

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. P. Kelly 1/20/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/2/07 REPORT NO. 044

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____

TEMPERATURE:

MAX _____ MIN _____

PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW- _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Sunday - No work performed

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 4/21/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/22/07 REPORT NO. 045

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 30 MIN 28 °F

PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - M. Malloy, D. Cashbaugh

MCTECH EQUIP. - Limbsult 160 ex, Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Generator, Gehl CTL 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Jump started Fuel Truck & Refueled Skid Steer.
Shovel of skid steer bucket used to break ground
for 5 pt samples. pH measurements performed.
No tilling
no lime added

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

None

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

None

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. REMARKS: (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 4/22/07

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/23/07 REPORT NO. 046

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 30[°] MIN 24[°]
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment, either idle or working as appropriate.)

a. MCTECH CREW - M. Malony D. Cashbaugh K. Chambers

MCTECH EQUIP. - Linkbelt 160 Lx, Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Generator, Gehl CTL80

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

To break frozen ground & collect samples, Linkbelt 1604 & skid steer used. 5 pt. pH samples taken & photos taken. pH measured. Lime added to piles 3, 4, 5, & 6 - 2 bags each. Tilled again.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

See #, Victor Medina & Scott (?) on site.

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W. J. Maloney 1/23/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/24/07 REPORT NO. 047

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 28° MIN 25° F
PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Ashbaugh, M. Mallow

MCTECH EQUIP. - 1 wheelbarrow, 160 Lx Van

b. C&K CREW - G. Cooper

C&K EQUIP. - Generator, Sehl etc 80

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

5 pt samples taken from each treatment piles.
Line added to weekly pbs (2 & 8) all filled.

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

None

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

None

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

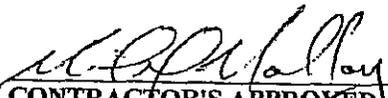
None

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 1/24/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/25/57 REPORT NO. 048

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A
TEMPERATURE:

MAX 25° MIN 7°
PRECIPITATION:

INCHES φ

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh, M. Malley

MCTECH EQUIP. - Lubbelt 160 Lxc, Van

b. C&K CREW - Gary Cooper

C&K EQUIP - Gehl CTL 80, Generator, Fuel Truck.

c. _____

d. _____

e. _____

f. _____

g. _____

1. WORK PERFORMED TODAY: (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Confirmation samples collected from all piles of pH measured from these. Piles tilled to reach below surface for each of 5 pts. Grab. Additional samples from piles 3 & 4 sent to USACE (Victor Medina) in Mississippi!

2. TYPE AND RESULTS OF INSPECTION: (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

Name

3. TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:

pH, Nitroaromatics, moisture tests performed by Reic labs

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

Name

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

2-50 lb bags added to piles 2 & B yesterday 4/24/07. Not specified in DCR.

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

W.P. Malley 4/25/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 1/26/07 REPORT NO. 049

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 27° MIN 5° F

PRECIPITATION:

INCHES 0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK

PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - D. Cashbaugh

MCTECH EQUIP. - Cubbelt 160 Lx, Van

b. C&K CREW - B. Cooper

C&K EQUIP - Generator, Belt etc @, Fuel Truck.

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Preparation for mobilization by end of next week. Equipment cleaned rebuilt
Site cleaned of trash.
Housekeeping

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

None

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

None

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

None

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions; acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

None

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

None

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.


CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 4/27/07 REPORT NO. 050

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

- CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.
- CLASS B Weather occurred during this shift that caused a complete stoppage of all work.
- CLASS C Weather occurred during this shift that caused a partial stoppage of work.
- CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.
- CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
- OTHER Explain. CLASSIFICATION:

CLASS _____
TEMPERATURE:

MAX _____ MIN _____
PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

- a. MCTECH CREW - _____

- b. C&K CREW - _____
C&K EQUIP - _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Saturday - No work performed

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

 127107
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CONTRACTOR'S QUALITY CONTROL REPORT (QCR) (ER 1180-1-6)

DATE: 4/28/07 REPORT NO. 051

CONTRACT NUMBER AND NAME OF CONTRACTOR W91237-06-C-0006

McTECH CORP. / USACE, HUNTINGTON DIST.

DESCRIPTION AND LOCATION OF THE WORK: NASA PRRWP- LIME TREATMENT STUDY

WEATHER CLASSIFICATION: _____

CLASS A No interruptions of any kind from weather conditions occurring on this or previous shifts.

CLASS B Weather occurred during this shift that caused a complete stoppage of all work.

CLASS C Weather occurred during this shift that caused a partial stoppage of work.

CLASS D Weather overhead excellent or suitable during shift. Work completely stopped due to results of previous adverse weather.

CLASS E Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.

OTHER Explain. CLASSIFICATION:

CLASS _____

TEMPERATURE:

MAX _____ MIN _____

PRECIPITATION:

INCHES _____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (Attach list of items of equipment either idle or working as appropriate.)

a. MCTECH CREW - _____

MCTECH EQUIP. - _____

b. C&K CREW - _____

C&K EQUIP - _____

c. _____

d. _____

e. _____

f. _____

g. _____

1. **WORK PERFORMED TODAY:** (Indicate location and description of work performed. Refer to work performed by prime and /or subcontractors by letter in Table above.)

Sunday - No work performed

2. **TYPE AND RESULTS OF INSPECTION:** (Indicate whether: P-Preparatory, I-Initial, or F-Follow-up and include satisfactory work completed or deficiencies with action to be taken.)

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

4. **VERBAL INSTRUCTIONS RECEIVED:** (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. **REMARKS:** (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. **SAFETY:** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective actions taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

William Valley 1/28/07
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 -- GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment :* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 -- SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 -- RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, Items f. and g.

SECTION 1 GENERAL INFORMATION

1. Date <i>12/1/06</i>	b. Owner/User <i>M. Tech Corp.</i>	c. Contract Number <i>W4123706C0006</i>
2. Type of Equipment <i>Lubolt 160 cc Excavator</i>		e. Number
f. Inspected by: (signature) <i>[Signature]</i> (title) <i>DCO</i>		g. Reviewed by: (signature) <i>[Signature]</i> (title) <i>DCO</i>

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?			✓
Does the unit have an emergency brake system?			✓

7. Does the emergency brake system work automatically when regular breaks fail?			✓
8. Can the emergency brake system be activated from the cab or operator's position?			✓
9. Are fuel tanks located so that spills or overflows do not run on the engine or electrical items?	✓		
10. Is the reverse alarm signal operable?	✓		
11. Are cabs equipped with distortion free, shatterproof or safety glass?	✓		
12. Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
13. Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
14. Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
15. Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
16. Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
17. Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
18. Is the manufacturer-recommended tire inflation pressure maintained?			✓
19. Are all towing devices properly mounted and in good condition?	✓		
20. Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
21. Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
22. Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
23. Are all operating levers, pedals, etc., in good operating condition?	✓		
24. Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
25. Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
26. Is the equipment operations manual available to the operator?		✓	
27. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Receipt Acknowledged by: (Signature) (Title) (Date)

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment* : Enter *Ford 515 Backhoe, ID 450 Bulldozer*, etc.
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, items f. and g.

SECTION 1			GENERAL INFORMATION		
a. Date 12/11/06	b. Owner/User McTECK CORP	c. Contract Number W9123706C0006			
d. Type of Equipment DEERE 450 J Dozer		e. Number			
f. Inspected by: (signature) <i>[Signature]</i> (title)		g. Reviewed by: (signature) <i>[Signature]</i> (title)			

SECTION 2	SAFETY INSPECTION CHECKLIST		
NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?	✓		

7. Does the emergency brake system work automatically when regular breaks fail?		✓		✓
8. Can the emergency brake system be activated from the cab or operator's position?		✓		
9. Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?		✓		
10. Is the reverse alarm signal operable?		✓		
11. Are cabs equipped with distortion free, shatterproof or safety glass?				✓
12. Are exhausts located so that discharges do not endanger or obstruct the view of the operator?		✓		
13. Are moving parts, shafts, pulleys and belts adequately guarded?		✓		
14. Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?			✓	
15. Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?		✓		
16. Are hydraulic lines and cylinders adequately guarded and free of physical damage?		✓		
17. Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?				✓
18. Is the manufacturer-recommended tire inflation pressure maintained?				✓
19. Are all towing devices properly mounted and in good condition?		✓		
20. Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 B:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)		✓		
21. Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.		✓		
22. Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?		✓		
23. Are all operating levers, pedals, etc., in good operating condition?		✓		
24. Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?		✓		
25. Is the equipment equipped with outriggers or leveling devices and are they in operable condition?				✓
26. Is the equipment operations manual available to the operator?			✓	
27. Remarks:				

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Accepted Acknowledged by: *(Signature)* *(Title)* *(Date)*

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment :* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A *If question or statement does not apply.*

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, items f. and g.

SECTION 1			GENERAL INFORMATION		
a. Date	b. Owner/User	c. Contract Number			
12/11/06	McTRUCK CORP.	DW9123706 C0006			
d. Type of Equipment		e. Number			
(GREEN) Mack TRAILER Dump Truck					
f. Inspected by: (signature) (title)		g. Reviewed by: (signature) (title)			

SECTION 2	SAFETY INSPECTION CHECKLIST		
NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.			
	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?	✓		

1. Does the emergency brake system work automatically when regular breaks fail?	✓		
2. Can the emergency brake system be activated from the cab or operator's position?	✓		
3. Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
4. Is the reverse alarm signal operable?			✓
5. Are cabs equipped with distortion free, shatterproof or safety glass?	✓		
6. Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
7. Are moving parts, shafts, pulleys and belts adequately guarded?			✓
8. Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
9. Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?			✓
10. Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
11. Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?	✓		
12. Is the manufacturer-recommended tire inflation pressure maintained?	✓		
13. Are all towing devices properly mounted and in good condition?	✓		
14. Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 B:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
15. Is there a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
16. Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
17. Are all operating levers, pedals, etc., in good operating condition?	✓		
18. Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
19. Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
20. Is the equipment operations manual available to the operator?		✓	
21. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Acknowledged by: *(Signature)* _____ (Title) _____ (Date) _____

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment*: Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

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SECTION 1 GENERAL INFORMATION		
a. Date 12/18/06	b. Owner/User O&K Ind. Services / MITech Corp	c. Contract Number W91237 06 C 0006
d. Type of Equipment Gehl TC 80 Tracked Skid Steer		e. Number
f. Inspected by (signature) (title) <i>[Signature]</i>		g. Reviewed by: (signature) (title) <i>[Signature]</i>

SECTION 2 SAFETY INSPECTION CHECKLIST			
NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.			
	YES	NO	N/A
1. Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
2. Are adequate rollover protection and seat belts provided?	✓		
3. Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
4. Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?			✓
5. Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
6. Does the unit have an emergency brake system?		N/A	✓

Does the emergency brake system work automatically when regular breaks fail?			✓
Can the emergency brake system be activated from the cab or operator's position?			✓
Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
Is the reverse alarm signal operable?	✓		
Are cabs equipped with distortion free, shatterproof or safety glass?			✓
Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
Is the manufacturer-recommended tire inflation pressure maintained?			✓
Are all towing devices properly mounted and in good condition?			✓
Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
Are all operating levers, pedals, etc., in good operating condition?	✓		
Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
Is the equipment operations manual available to the operator?		✓	
7. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Acknowledged by: *(Signature)* *(Title)* *(Date)*

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment*: Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, items f. and g.

SECTION 1 GENERAL INFORMATION

a. Date	b. Owner/User	c. Contract Number
2/18/06	MCTECH Corp. / D. Cashbaugh	W9123706 G0006
d. Type of Equipment		e. Number
Link Belt 160 LX Excavator		
f. Inspected by (signature) (title)		g. Reviewed by: (signature) (title)
[Signature] [Title]		[Signature] [Title]

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided -- steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?	✓		

Does the emergency brake system work automatically when regular breaks fail?		✓		✓
Can the emergency brake system be activated from the cab or operator's position?		✓		
Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?		✓		
Is the reverse alarm signal operable?		✓		
Are cabs equipped with distortion free, shatterproof or safety glass?		✓		
Are exhausts located so that discharges do not endanger or obstruct the view of the operator?		✓		
Are moving parts, shafts, pulleys and belts adequately guarded?		✓		
Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?			✓	
Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?		✓		
Are hydraulic lines and cylinders adequately guarded and free of physical damage?		✓		
Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?				✓
Is the manufacturer-recommended tire inflation pressure maintained?				✓
Are all towing devices properly mounted and in good condition?				✓
Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)		✓		
Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.		✓		
Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?		✓		
Are all operating levers, pedals, etc., in good operating condition?		✓		
Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?		✓		
Is the equipment equipped with outriggers or leveling devices and are they in operable condition?				✓
Is the equipment operations manual available to the operator?			✓	
Remarks:				

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Accepted and Acknowledged by: *(Signature)* *(Title)* *(Date)*

INSTRUCTIONS

SECTION 1 -- GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment :* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 -- SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 -- RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, items f. and g.

SECTION 1 GENERAL INFORMATION

a. Date 2/26/06	b. Owner/User C&K Ind. Services	c. Contract Number W41237 06 C0006
d. Type of Equipment Genl TC 80 Tracked Skid Steer		e. Number
f. Inspected by (signature) (title) <i>[Signature]</i>		g. Reviewed by: (signature) (title) <i>[Signature]</i>

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided -- steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?			✓
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?			✓

7. Does the emergency brake system work automatically when regular breaks fail?			✓
8. Can the emergency brake system be activated from the cab or operator's position?			✓
9. Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
10. Is the reverse alarm signal operable?	✓		
11. Are cabs equipped with distortion free, shatterproof or safety glass?	✓		
12. Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
13. Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
14. Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
15. Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
16. Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
17. Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
18. Is the manufacturer-recommended tire inflation pressure maintained?			✓
19. Are all towing devices properly mounted and in good condition?			✓
20. Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
21. Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
22. Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
23. Are all operating levers, pedals, etc., in good operating condition?	✓		
24. Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
25. Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
26. Is the equipment operations manual available to the operator?		✓	
27. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Accepted and Acknowledged by: *(Signature)* *(Title)* *(Date)*

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment:* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, Items f. and g.

SECTION 1 GENERAL INFORMATION

Date 2/26/06	b. Owner/User M-TECH Corp.	c. Contract Number W41237 do c 0006
Type of Equipment Link Belt 160 LX		e. Number
Inspected by (signature) <i>[Signature]</i>	(title)	g. Reviewed by: (signature) (title) <i>[Signature]</i>

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided -- steps, hand bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?			✓

Does the emergency brake system work automatically when regular breaks fail?			✓
Can the emergency brake system be activated from the cab or operator's position?			✓
Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
Is the reverse alarm signal operable?	✓		
Are cabs equipped with distortion free, shatterproof or safety glass?	✓		
Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
Is the manufacturer-recommended tire inflation pressure maintained?			✓
Are all towing devices properly mounted and in good condition?			✓
Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? (Corps owned or leased equipment must have first aid kits installed.)	✓		
Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other electrical systems operable and in good condition?	✓		
Are all operating levers, pedals, etc., in good operating condition?	✓		
Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
Is the equipment operations manual available to the operator?		✓	
7. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Acknowledged by: *(Signature)* *(Title)* *(Date)*

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment*: Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, Items f. and g.

SECTION 1 GENERAL INFORMATION

a. Date 1/3/07	b. Owner/User Cok Industrial Serv.	c. Contract Number W91237 06 C0006
d. Type of Equipment Genl TG 80 Tracked Skid Steer		e. Number
f. Inspected by (signature) (title) <i>[Signature]</i>		g. Reviewed by: (signature) (title) <i>[Signature]</i>

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
1. Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
2. Are adequate rollover protection and seat belts provided?	✓		
3. Is a safe means of 3 point contact access to cab or operator's compartment provided -- steps, grab bars, non-slip surfaces, etc.?	✓		
4. Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?			✓
5. Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
6. Does the unit have an emergency brake system?			✓

Does the emergency brake system work automatically when regular breaks fail?			✓
Can the emergency brake system be activated from the cab or operator's position?			✓
Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
Is the reverse alarm signal operable?	✓		
Are cabs equipped with distortion free, shatterproof or safety glass?			✓
Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
Is the manufacturer-recommended tire inflation pressure maintained?			✓
Are all towing devices properly mounted and in good condition?			✓
Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other electrical systems operable and in good condition?	✓		
Are all operating levers, pedals, etc., in good operating condition?	✓		
Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
Is the equipment operations manual available to the operator?		✓	
Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Acknowledged by: *(Signature)* *(Title)* *(Date)*

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment* : Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, Items f. and g.

SECTION 1 GENERAL INFORMATION			
Date 11/3/07	b. Owner/User METECH Corp	c. Contract Number W9123726 C0006	
Type of Equipment Link Belt 160 LX		e. Number	
Inspected by (signature) (title) <i>M. P. Malley</i>		g. Reviewed by: (signature) (title) <i>M. P. Malley</i>	

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided -- steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the mode of operation?	✓		
Does the unit have an emergency brake system?			✓

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7. Does the emergency brake system work automatically when regular breaks fail?			✓
8. Can the emergency brake system be activated from the cab or operator's position?			✓
9. Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
10. Is the reverse alarm signal operable?	✓		
11. Are cabs equipped with distortion free, shatterproof or safety glass?	✓		
12. Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
13. Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
14. Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
15. Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
16. Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
17. Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
18. Is the manufacturer-recommended tire inflation pressure maintained?			✓
19. Are all towing devices properly mounted and in good condition?			✓
20. Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 B:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
21. Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
22. Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
23. Are all operating levers, pedals, etc., in good operating condition?	✓		
24. Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
25. Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
26. Is the equipment operations manual available to the operator?		✓	
27. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Accepted and Acknowledged by: *(Signature)* _____ *(Title)* _____ *(Date)* _____

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

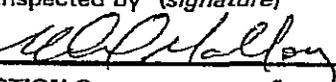
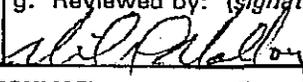
INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment :* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

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SECTION 1				GENERAL INFORMATION			
Date	b. Owner/User			c. Contract Number			
1/8/07	McTeek Corp / D. Cashbaugh			W91237 D6C0006			
Type of Equipment				e. Number			
Linkbelt 160 LX Excavator							
Inspected by (signature)		(title)		g. Reviewed by: (signature)		(title)	
							

SECTION 2				SAFETY INSPECTION CHECKLIST					
NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.									
							YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?							✓		
Are adequate rollover protection and seat belts provided?							✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?							✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?							✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the side of operation?							✓		
Does the unit have an emergency brake system?									✓

7. Does the emergency brake system work automatically when regular breaks fail?			✓
8. Can the emergency brake system be activated from the cab or operator's position?			✓
9. Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
10. Is the reverse alarm signal operable?	✓		
11. Are cabs equipped with distortion free, shatterproof or safety glass?	✓		
12. Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
13. Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
14. Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
15. Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
16. Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
17. Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
18. Is the manufacturer-recommended tire inflation pressure maintained?			✓
19. Are all towing devices properly mounted and in good condition?			✓
20. Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 B:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
21. Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
22. Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
23. Are all operating levers, pedals, etc., in good operating condition?	✓		
24. Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
25. Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
26. Is the equipment operations manual available to the operator?		✓	
27. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

Accepted Acknowledged by: *(Signature)* *(Title)* *(Date)*

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment :* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

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SECTION 1 GENERAL INFORMATION

Date 8/07	b. Owner/User Calk Industrial Serv. / Dr. Carbaugh	c. Contract Number D91237060006
Type of Equipment Sehl TC 80 skid steer		e. Number
Inspected by (signature) (title) <i>[Signature]</i> <i>[Title]</i>		g. Reviewed by: (signature) (title) <i>[Signature]</i> <i>[Title]</i>

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the side of operation?	✓		
Does the unit have an emergency brake system?			✓

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment*: Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor Inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by a next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

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SECTION 1 GENERAL INFORMATION

Date 1/16/07	b. Owner/User McTeek Corp / D. Cashbaugh	c. Contract Number 66 C. 006 W91237-03-0
Type of Equipment Inkbul + 160 LX Excavator		e. Number
Inspected by (signature) (title) <i>[Signature]</i>		g. Reviewed by: (signature) (title)

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?			✓

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment:* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

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SECTION 1 GENERAL INFORMATION

Date 11/16/07	b. Owner/User C&K Industrial Serv. / D. Cashbaugh	c. Contract Number W91237-06C-0006
Type of Equipment Bell CTR 80 Tracked Skid Steer		e. Number
Inspected by (signature) (title) (title)		g. Reviewed by: (signature) (title)

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?			✓

Does the emergency brake system work automatically when regular breaks fail?			✓
Can the emergency brake system be activated from the cab or operator's position?			✓
Are fuel tanks located so that spills or overflows do not run on the engine or electrical components?	✓		
Is the reverse alarm signal operable?	✓		
Are cabs equipped with distortion free, shatterproof or safety glass?			✓
Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
Is the manufacturer-recommended tire inflation pressure maintained?			✓
Are all towing devices properly mounted and in good condition?			✓
Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 B:C available? (Corps owned or leased equipment must have extinguisher installed on the equipment)	✓		
Is a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other critical systems operable and in good condition?	✓		
Are all operating levers, pedals, etc., in good operating condition?	✓		
Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
Is the equipment operations manual available to the operator?		✓	
7. Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

 Acknowledged by: (Signature) (Title) (Date)

HEAVY HAULAGE UNITS
U.S. Army Engineers, Huntington District

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date*: enter month, day and year of Safety Inspection.
- b. *Owner/User*: Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number*: Contractors enter the respective contract number
- d. *Type of Equipment*: Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number*: Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By*: Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By*: Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by the next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, Items f. and g.

SECTION 1 GENERAL INFORMATION

a. Date 12/21/87	b. Owner/User Calk Industrial Serv. / D. Cashbaugh	c. Contract Number W91237 26 C 0006
d. Type of Equipment Schl CTL 80 sk-d steer		e. Number
f. Inspected by (signature) (title) <i>[Signature]</i>		g. Reviewed by: (signature) (title)

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
1. Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
2. Are adequate rollover protection and seat belts provided?	✓		
3. Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
4. Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
5. Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
6. Does the unit have an emergency brake system?			J

Does the emergency brake system work automatically when regular breaks fail?			
Can the emergency brake system be activated from the cab or operator's position?			
Are fuel tanks located so that spills or overflows do not run on the engine or electrical systems?	✓		
Is the reverse alarm signal operable?	✓		
Are cabs equipped with distortion free, shatterproof or safety glass?			✓
Are exhausts located so that discharges do not endanger or obstruct the view of the operator?	✓		
Are moving parts, shafts, pulleys and belts adequately guarded?	✓		
Are any of the units structural members bent, cracked or otherwise showing signs of physical damage?		✓	
Are track rails, grousers, truck rollers, idlers and sprockets in good condition free from excessive wear, cracks, loose bolts or pins?	✓		
Are hydraulic lines and cylinders adequately guarded and free of physical damage?	✓		
Are tires on tire-mounted equipment free from excessive wear, breaks and of proper and equal size?			✓
Is the manufacturer-recommended tire inflation pressure maintained?			✓
Are all towing devices properly mounted and in good condition?			✓
Does the equipment have at least one dry chemical or CO2 fire extinguisher with minimal rating of 5 b:C available? (Corps owned or leased equipment must have extinguisher installed on equipment)	✓		
Is there a 16 unit (minimum) first aid kit readily available in the equipment or on the job site? Corps owned or leased equipment must have first aid kits installed.	✓		
Are all instruments, ammeters, pressure gauges, temperature gauges, tachometers or other electrical systems operable and in good condition?	✓		
Are all operating levers, pedals, etc., in good operating condition?	✓		
Do all modifications, replacement parts and/or repairs to the equipment maintain the same safety factor as originally designed and manufactured?	✓		
Is the equipment equipped with outriggers or leveling devices and are they in operable condition?			✓
Is the equipment operations manual available to the operator?		✓	
Remarks:			

SECTION 3 RECEIPT OF ACKNOWLEDGMENT

 : Acknowledged by: (Signature) (Title) (Date)

INSTRUCTIONS

SECTION 1 - GENERAL INFORMATION:

- a. *Date:* enter month, day and year of Safety Inspection.
- b. *Owner/User:* Enter designated ownership of equipment (Corps, Corps leased or Contractor by name).
- c. *Contract Number:* Contractors enter the respective contract number
- d. *Type of Equipment :* Enter *Ford 515 Backhoe, ID 450 Bulldozer, etc.*
- e. *Number:* Enter equipment number which Contractor has issued on large scale operations.
- f. *Inspected By:* Enter signature and title of Corps or Contractor inspector (Corps inspector may be a maintenance leader, maintenance mechanic or operator and a Contractor inspector may be a mechanic, operator or service person).
- g. *Reviewed By:* Enter signature and title of Corps or Contractor reviewer (Corps reviewer may be the mechanic, shift leader, foreman or superintendent). Before a signature and title of Corps or Contractor reviewer is entered, the checklist must be reviewed by a next level of direct supervision and the equipment spot checked unannounced to insure inspections are performed.

SECTION 2 - SAFETY INSPECTION CHECKLIST: Check YES, NO or N/A if question or statement does not apply.

SECTION 3 - RECEIPT OF ACKNOWLEDGMENT: Sign, provide title and date checklist. If Corps personnel was the inspector and reviewer, a Corps manager, supervisor or responsible employee will sign the receipt of acknowledgment. If a Contractor personnel was the inspector and reviewer the checklist becomes a part of the official project file and a copy is furnished to the Contracting Officer Representative (COR). The COR will then sign the receipt of acknowledgment. The COR may request a copy of the checklist at any time. The COR or a representative may perform an unannounced spot check inspection to ensure compliance of safety inspection requirements. To determine if inspector and reviewer are Corps or Contractor personnel, see SECTION 1, Items f. and g.

SECTION 1 GENERAL INFORMATION			
Date 1/22/2007	b. Owner/User McTeek Corp / D. Cashbaugh	c. Contract Number W91237 06 C-0006	
Type of Equipment Linkbelt 160LX Tracked Excavator		e. Number	
Inspected by (signature) (title) (title)		g. Reviewed by: (signature) (title)	

SECTION 2 SAFETY INSPECTION CHECKLIST

NOTE: Reference USACE Manual EM 385-1-1, April 1981, as revised. Equipment must be in full compliance with checklist and contract requirements.

	YES	NO	N/A
Is protection (grills, screen, canopies) provided to shield the operator from falling or flying objects?	✓		
Are adequate rollover protection and seat belts provided?	✓		
Is a safe means of 3 point contact access to cab or operator's compartment provided - steps, grab bars, non-slip surfaces, etc.?	✓		
Are required head and tail lights, flashing lights and slow moving vehicle signs provided and properly positioned?	✓		
Is the parking and service brake system capable of holding the equipment fully loaded on the grade of operation?	✓		
Does the unit have an emergency brake system?			✓

Daily Safety Meeting

Project: PRRUP - Lime Treatment

Date: 12/11/06

Discussion of work conditions and task expected to be completed today:

Excavation of sovere study soil to 4 ft depth.
Laying out areas for piles.

Topics to be discussed: (list below)

Emergencies
Protecting yourself while acting
calmly & providing help
Being Prepared
Comments from Project Manager or SSHO concerning the meeting:
None

Task related to Safety Topic: (list below)

Emergencies occur
unexpectedly & are unplanned.

Notes concerning any safety related incidents that occurred:

None.

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
<u>Michael Malloy</u>	<u>[Signature]</u>	<u>12/11/06</u>
<u>James B Russell</u>	<u>[Signature]</u>	<u>12/11/06</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>12/11/06</u>
<u>Gary Cooper</u>	<u>[Signature]</u>	<u>12-11-06</u>
_____	_____	_____
_____	_____	_____

Daily Safety Meeting

Project: PRRWIP - Line Treatment

Date: 12/12/06

Discussion of work conditions and task expected to be completed today:

Excavating 4-8 ft of Study area of soil.
Laying out study soil in piles to appropriate dimensions.

Topics to be discussed: (list below)

Eye hazards at the project
& at home. Vulnerability of
eye to serious damage.

Safety Glasses

Comments from Project Manager or SSHO concerning the meeting:

None

Task related to Safety Topic: (list below)

Setting up site's study
areas.

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy

Michael Malloy

12/12/06

James O Russell

James O Russell

12-12/06

Don Oystervick

Don Oystervick

12/12/06

Gary Cooper

Gary Cooper

12/12/06

Daily Safety Meeting

Project: PRRWP - Line Treatment

Date: 12/13/06

Discussion of work conditions and task expected to be completed today:

Site Maintenance. Mobilizing job trailer.
Setting up safety Fence.

Topics to be discussed: (list below)

Ever present danger of a fire
Types of fire, still a hazard
although it does not occur regularly.

Task related to Safety Topic: (list below)

Operating Machinery, vehicles,
smoking or etc.

Comments from Project Manager or SSFO concerning the meeting:

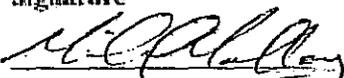
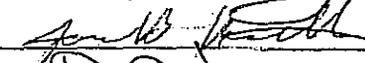
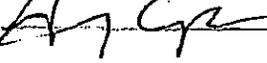
None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
Michael Malloy		12/13/06
James Russell		12/13/06
Don Casabianca		12/13/06
Gay Ryan		12-13-06

Daily Safety Meeting

Project: PRRWP - Line Treatment

Date: 12/14/06

Discussion of work conditions and task expected to be completed today:

Dover cleaned & decanned, Dover Mobilized
& brought to front gate to go back to
~~front~~ Nations Rent.

Topics to be discussed: (list below)

Heart attacks.
Key is to know symptoms if attacks
occurring. CPR.

Task related to Safety Topic: (list below)

Heart attacks can happen
anywhere any time.

Comments from Project Manager or SSO concerning the meeting:

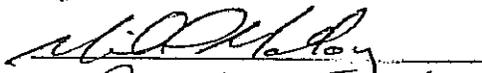
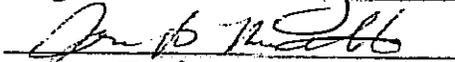
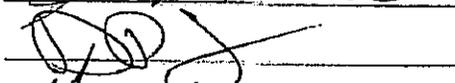
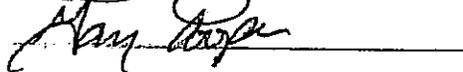
None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
Michael Malloy		12/14/06
James B Russell		12/14/06
Dan Portantat		12/14/06
Gary Cooper		12/14-06

Daily Safety Meeting

Project: PRTRAP - Lime Treatment

Date: 12/18/06

Discussion of work conditions and task expected to be completed today:

Light activities on site for today. Project team to organize pile layout of marking & pH sampling times of procedures.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Holiday can be a very busy time. Caution then should be at highest when PWS are more prone of drinking more likely.

Comments from Project Manager or SSO concerning the meeting:
None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy
Dr. Catharine

[Signature]
[Signature]

12/18/06
12/18/06

Daily Safety Meeting

Project: RRWP - Line Treatment

Date: 12/19/06

Discussion of work conditions and task expected to be completed today:

Delivery & setup of skid steer w/ filler attachment to jobsite
pre treated line samples filled into buckets for lab
use to simulate field operations.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

New employees, jobs, visitors
need to be given the needed explanation
of emergency procedures, location of supplies
#s to first aid responders... MSDS...

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy

[Signature]

12/19/06

Don [Signature]

[Signature]

12/19/06

Daily Safety Meeting

Project: PRRWP - Lime Treatment

Date: 12/20/06

Discussion of work conditions and task expected to be completed today:

Repair of filler attachment completed. Lime doses for each approach pile added today & filled by skid steer. pH readings not made as they will be confirmed from R_{01c} by ~~first~~ ^{Monday} ~~Friday~~ sampling (14.8)

Topics to be discussed: (list below)

Topic related to Safety Topic: (list below)

CPR is vital for someone who has lost consciousness, injured or a heart attack, know what all needs before actually starting CPR & get trained & stay renewed.

Comments from Project Manager or SSMO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Don ADRIAN

[Signature]

12/20/06

Daily Safety Meeting

Project: FRRWP- Line Treatment

Date: 12/26/06

Discussion of work conditions and task expected to be completed today:

pH samples taken to trailer & pH measured. Lime loaded from storage & added to piles as required & all piles filled/mixed.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Proper planning is the first step to PPE protection. Also know where flammable liquid is stored because it's properly stored & maintain good housekeeping. Smoking should not endanger that.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

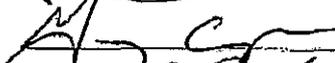
Date

DAN CASHDAUGH



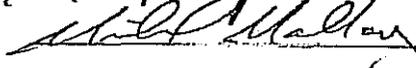
12/26/06

Gary Rapp



12-26-06

Michael Malley



12/26/06

Daily Safety Meeting

Project: PRR WP- Line Treatment

Date: 12/27/06

Discussion of work conditions and task expected to be completed today:

pH readings taken from piles of Lime added to those as needed. Tilling activities followed to mix Lime into soil.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Tools are supposed to make the work easier. but don't get lazy when it comes to maintaining or storing them. Don't forget to wear gloves, goggles or other PPE appropriately.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

DAN CASHCAUGH

[Signature]

12/27/06

Andy Cooper

[Signature]

12-27-06

Michael Malloy

[Signature]

12/27/06

Daily Safety Meeting

Project: PRRWP - Lime Treatment

Date: 12/28/06

Discussion of work conditions and task expected to be completed today:

pH readings taken from all piles.
Lime added as needed. (16 pH below certain pH)
Tilling performed on all piles.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Good Lighting is important in maximizing production & reducing accidents. OSHA Regs that a certain amt. of light, but . . . You can read drawings then that's a good indicator.
Comments from Project Manager or SSHO concerning the meeting:

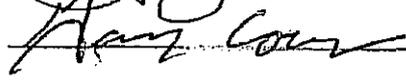
None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
Michael Malloy		12/28/06
DAN CASHCAVETT		12/28/06
GAY CARP		12-28-06

Daily Safety Meeting

Project: RRWP- Lime Treatment

Date: 12/29/06

Discussion of work conditions and task expected to be completed today:

pH reading performed & indicated that no lime needed to be added for day. Confirmation samples taken & shipped to REC labs after titling performed.

Topics to be discussed: (list below)

Task related to Safety Topics: (list below)

First Aid training is always available & may allow you to save someone's life. Start by calling for help & then your training will allow you to handle a range of situations

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy

[Signature]

12/29/06

Dan Casanova

[Signature]

12/29/06

Gary Cooper

[Signature]

12/29/06

Daily Safety Meeting

Project: TRRW P- Line Treatment

Date: 1/3/07

Discussion of work conditions and task expected to be completed today:

PH measurements made at 5 pts on each pile
Line added to all piles except 1 & 7 (controls)
to start correct schedule of line & tilting.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Job Trailers are often taken for granted &
may be a source of Hazards if not maintained
They need to be supported well in case of high wind
& storms and have safe means of access as well.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

DAN CASHBAUGH

[Signature]

1/3/07

GAY COOPER

[Signature]

1-3-07

Michael P. Malloy

[Signature]

1/3/07

Daily Safety Meeting

Project: PRRWP Line Treatment

Date: 1/4/07

Discussion of work conditions and task expected to be completed today:

Confirmation samples collected & shipped to Reic.
Hydraulic line to tiller repaired, pH measured
& logged.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Permits are common in the industry & identify a work cont. that presents a danger. To attain one we must check for obvious hazards, check emergency procedures, require PPE, check tools among other things. Someone's life depends on this - Do it exactly

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

DAN CAHILL

[Signature]

1/4/07

GARY COOPER

[Signature]

1-7-07

Michael Malloy

[Signature]

1/4/07

Daily Safety Meeting

Project: PRRWP- Line Treatment

Date: 1/5/07

Discussion of work conditions and task expected to be completed today:

Site Maintenance & preparation of 2 Drums containing PRRWP soil for shipment to Vicksburg, MS - USACE Environmental Labs

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Safety is a team effort. Staying alert is essential in recognizing hazards & not relying all before leaving that hazard. Also important is to report near misses & discuss them openly.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

DAN CASHBAUGH

[Signature]

1/5/07

Cory Cooper

[Signature]

1-5-07

Michael Malloy

[Signature]

1/5/07

Daily Safety Meeting

Project: RRWP- Line Treatment.

Date: 1/8/07

Discussion of work conditions and task expected to be completed today:

Collecting samples, measuring pH.
Placing line. Tilling

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Safety around Flammable & Combustible liquids. There is to be no smoking near this (often gas or diesel fuel) & they need to be stored in approved containers

refueling equipment
filling tanks.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Gary Cooper

[Signature]

1-8-07

[Signature]

[Signature]

[Signature]

DAN CASHDAUGH

[Signature]

1-8-07

Michael Malloy

Michael Malloy

1/8/07

Daily Safety Meeting

Project: PRRWP- Lime Treatment

Date: 1/9/07

Discussion of work conditions and task expected to be completed today:

Collected Samples, Measuring pH
Tilling

Topics to be discussed: (list below)

Job Safety Checklists are
quick tips to remember & should be
read before each day.

Task related to Safety Topic: (list below)

all

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Gary Cooper

[Signature]

1-9-07

Don Ashworth

[Signature]

1-9-07

Michael Malloy

[Signature]

1/9/07

Daily Safety Meeting

Project: PRRSP - Limb Treatment

Date: 1/10/07

Discussion of work conditions and task expected to be completed today:

Samples Collected, Measuring pH. Added Line to all piles but controls. (127)
Tilled.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Heavy equipment should not be taken for granted. Vision is obstructed inside so never assume operator sees you. Don't ride on front machine. Look when it hooks or backs up. Any Activities while Excavator is running.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Corey Casey

[Signature]

1-10-07

Phil A. Casanova

[Signature]

1-10-11-07

Don Casanova

[Signature]

1-10-07

Michael Malloy

[Signature]

1/10/07

Daily Safety Meeting

Project: TR-RWP-Line treatment

Date: 1/11/07

Discussion of work conditions and task expected to be completed today:

Samples taken from piles for daily pH readings
& confirmation analysis done off site.
No Tilling or Line Added.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Housekeeping is a team effort to
reduce accidents on site by keeping
a clean, organized work area.

all

Comments from Project Manager or S&SHO concerning the meeting:

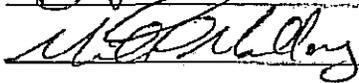
None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
<u>Dave Coakley</u>		<u>1/11/07</u>
<u>Michael Malloy</u>		<u>1/11/07</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Daily Safety Meeting

Project: PRRWP- Line Treatment

Date: 1/12/07

Discussion of work conditions and task expected to be completed today:

5 pt grab samples taken for pH measuring as would for
Confirmation samples. Pictures taken of points.
No Line Added.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Motor vehicles need to be
treated with same caution & respect
as any other equipment for job.
Drive defensively!

None

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Dan Casanova

[Signature]

1/12/07

Michael Malloy

[Signature]

1/12/07

Daily Safety Meeting

Project: RRWP Line Treatment

Date: 1/16/07

Discussion of work conditions and task expected to be completed today:

Collecting 5 pt. samples from Treatment
piles

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Understanding signs if not in
writing, colors have special information
meanings

Various

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy

[Signature]

1/16/07

DAVID CARLISBACH

[Signature]

1/16/07

Daily Safety Meeting

Project: PRRDP: in treatment

Date: 1/17/07

Discussion of work conditions and task expected to be completed today:

5 point Sampling, Measuring pH.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Refrigeration - Let small engines cool off before recharging - You're dealing with a flammable liquid so no smoking & always store in approved container in a safe place.

Refrigeration generator vehicles, equipment

Comments from Project Manager or SSMO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy

[Signature]

1/17/07

DAVID CAZISAVETT

[Signature]

1/17/07

Daily Safety Meeting

Project: RRWP - Lime Treatment

Date: 1/18/07

Discussion of work conditions and task expected to be completed today:

Sampling

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Hand Tools. Don't take short cuts - use tools as designed, keep them in good condition & wear protective equipment

Sampling cleaning equipment

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
<u>Michael A. Malloy</u>	<u>[Signature]</u>	<u>1/18/07</u>
<u>Don CARLBAUGH</u>	<u>[Signature]</u>	<u>1/18/07</u>
<u>Lisa Humphreys</u>	<u>[Signature]</u>	<u>1/18/07</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Daily Safety Meeting

Project: PRRWP - Lime Treatment

Date: 1/22/07

Discussion of work conditions and task expected to be completed today:

Collecting samples. Measuring pH.
Refueling equipment.

Topics to be discussed: (list below)

Task related to Safety Topics: (list below)

Be alert of moving equipment.
Some safety tips to keep respect for
equipment. MAINTY, never assume operators
See you

Being near skidsteer
Liftbelt.

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

DAN CASHBAXT

[Signature]

1/22/07

Michael Mulloy

[Signature]

1/22/07

Daily Safety Meeting

Project: RRRWP Lime Treatment

Date: 1/23/07

Discussion of work conditions and task expected to be completed today:

Collecting samples from Treatment piles.
Lime added to daily piles - 3, 4, 5 & 6.
Tilling performed.

Topics to be discussed: (list below)

Clothing for Construction.
Wear tight wool shirts & gloves, liners,
instead of loose, heavy clothes.

Task related to Safety Topic: (list below)

All
being outdoors

Comments from Project Manager or SSHO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Don Casavant



1/23/07

Michael Malloy



1/23/07

Daily Safety Meeting

Project: PRWP-Lime Treatment

Date: 1/24/07

Discussion of work conditions and task expected to be completed today:

7th samples collected.
Lime added to piles 2 & 3
All piles Tilled.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Don't give fire a chance.
Stay cautious of all flammable
objects, liquids, make sure extinguishers
nearby

all

Comments from Project Manager or SSFO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

Michael Malloy
Michael Malloy

[Signature]
Michael Malloy

1/24/07
1/24/07

Daily Safety Meeting

Project: PRRDP - Limb Treatment

Date: 1/25/07

Discussion of work conditions and task expected to be completed today:

Confirmation samples collected, pH measured & sent to Reic Labs. Additional samples taken & shipped to V. Medina (USACE), Piles Tilled.

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

Horseplay is not for a job. Practical jokes never have the intended effect of its possible injury results from surprises.

all

Comments from Project Manager or SSO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)	Signature	Date
<u>Dan RASHBAGH</u>	<u>[Signature]</u>	<u>1/25/07</u>
<u>Michael Malloy</u>	<u>[Signature]</u>	<u>1/25/07</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Daily Safety Meeting

Project: PRRWP - Lime Treatment

Date: 4/26/07

Discussion of work conditions and task expected to be completed today:

Site Maintenance
Trailer clean up. Clearing equipment

Topics to be discussed: (list below)

Task related to Safety Topic: (list below)

ways to prevent accidents - planning,
report cond.s. No horseplay, follow instructions,
make suggestions, good house keeping
Dress for the job and some.

all

Comments from Project Manager or SSO concerning the meeting:

None

Notes concerning any safety related incidents that occurred:

None

Safety Meeting attendance:

I have attended the daily safety meeting. I have been briefed on today's job tasks and fully understand the safety issues associated with each task.

Name (printed)

Signature

Date

DAN CASHBAUGH
Michael Malloy

[Signature]
[Signature]

4/26/07
4/26/07

APPENDIX D

SCOPE OF WORK

Scope of Work for the
In Situ Lime Treatment Pilot Study
Plum Brook Ordnance Works – Pentolite Road Red Water Ponds (PRRWP)
Sandusky, Ohio
Performance Based Contract No. W91237-06-C-0006

1.0 Introduction / Authority.

This work shall be awarded as Performance Based and issued as a firm fixed-price contract. The purpose of this Scope of Work is for the application of lime in the treatment / reduction of nitroaromatics in soil for the Pentolite Road Red Water Ponds Area (PRRWP) of the Plum Brook Ordnance Works (PBOW) Project. The United States Army Corps of Engineers (USACE) is the responsible authority under the Defense Environmental Restoration Program (DERP) at the former PRRWP. Based on the results of the completed treatment of the soils, the USACE will continue a Non-Time Critical Removal Action (NTCRA) in Pentolite Road Red Water Ponds Area. The treatment / reduction will be conducted in hopes of reducing the nitroaromatics to prevent human exposure to site soil containing the one constituent of concern (COCs) at concentrations that exceed remediation goals. The remediation goals are chemical- and receptor-specific risk-based remedial criteria that capture all the exposure assumptions and toxicological data used in the risk assessment. The in situ treatment approach would employ tilling of lime directly into the soil for the half-acre (8' depth or to groundwater or bedrock, whichever comes first) of contaminated soil identified in the PRRWP area.

1.1 Site History and Location.

The site of the former Plum Brook Ordnance Works (PBOW) is located approximately 4 miles south of Sandusky, Ohio and 59 miles west of Cleveland, Ohio. Although primarily in Perkins and Oxford Townships, the eastern edge of the site extends into Huron and Milan Townships. PBOW is bounded on the north by Bogart Road, on the south by Mason Road, on the west by County Road 43, and on the east by U.S. Highway 250. The surrounding area is mostly agricultural and residential.

The 9,009-acre PBOW site was built in early 1941 as a manufacturing plant for 2,4,6-trinitrotoluene (TNT), dinitrotoluene (DNT), and pentolite. Production of explosives at PBOW began in December 1941 and continued until 1945. It is estimated that more than 1 billion pounds of nitroaromatic explosives were manufactured during the 4-year operating period. The three explosive manufacturing areas were designated TNT Area A (TNTA), TNT Area B (TNTB), and TNT Area C (TNTC).

PBOW Pentolite Road Red Water Ponds (PRRWP) consists of an area of approximately 9 acres located at the north-central portion of former PBOW. PRRWP is located just south of Pentolite Road, southeast of the former Pentolite Area and approximately one mile north of TNT B. Wastewater from TNT A and B were sent by wooden flumes and ceramic pipes to the Wastewater Treatment Plant #1 which were located about 700 feet east of the PRRWP. During the operation of the site by the Department of Defense (DOD), process wastewater resulting

from the purification of the TNT was discharged to various settling ponds (West Area Red Water Ponds and the PRRWP) at the site. This wastewater (referred to as "red water" because of its color) was transported to a wastewater treatment and incineration area and discharged via wooden flumes and elevated discharge pipes into the settling ponds. The wastewater was then discharged from Wastewater Treatment Plant #1 through pipes to the PRRWP. Original PRRWP construction plans indicate pond dimensions of 200' wide (east-west) by 400' long by 3' deep with a 1' high levee and had a capacity of 182,000 cubic yards of wastewater. NASA had PRRWP filled in 1977 following a breach of the ponds.

The National Aeronautics and Space Administration (NASA) acquired the property on March 15, 1963 and currently utilizes the site. GSA performed further decontamination efforts during 1963 to facilitate this transfer. The decontamination process included removing contaminated surface soils above the drain tiles, flumes, etc., destruction of all buildings by fire, then removal of all soil, debris, sumps, and concrete foundations. All materials, including the soil in those areas, were flashed; the area was then rough graded. The decontamination process also included the burning of excavated nitroaromatic-filled flumes.

NASA currently operates the Plum Brook Station (PBS) of the John Glenn Research Center at Lewis Field. Most of the aerospace testing facilities built in the 1960s at the site are in standby or inactive status. On April 18, 1978, NASA declared approximately 2,152 acres of PBOW as excess. The Perkins Township Board of Education acquired 46 acres of the excess acreage and uses this area as a bus transportation area. GSA retains ownership of the remaining excess acreage and currently has a use agreement with the Ohio National Guard for 604 acres of this land. NASA presently controls approximately 6,400 acres and is using the site to conduct space research as a satellite operation of the John Glenn Research Center at Lewis Field in Cleveland, Ohio. The details of land transactions are listed in the site management plan (ICI, 1995) and can be found at the NASA PBS.

To date, an Interim Soil Removal Action (ISRA) has been conducted at the PRRWP area and a report prepared that addresses soil contamination limits that still remain in the area. The COC was identified as a nitroaromatic, specifically, 2,4,6-Trinitrotoluene (TNT). TNT existed in surface soil, subsurface soil, and groundwater; however, surface water and sediment were not found to be contaminated.

The overall objective of the Interim Soil Removal Action for PRRWP was to minimize threats to, and provide adequate protection to, human health and the environment from exposure to contaminants in soil. The remedial objectives identified for soils at PRRWP were:

- 1) Minimize the potential for human exposure via incidental ingestion, dermal contact, and inhalation of soil contaminated with nitroaromatics.
- 2) Minimize the potential for nitroaromatics to migrate from soil at the site to the groundwater.

Due to funding limitations, only the 20' x 20' x 10' area identified in the *PRRWP Final Action Memorandum* (USACE, 2003) has been excavated and backfilled with clean soil. The area was only excavated to a depth of 8' rather than the 10' specified because ground water was encountered at that depth. Exploratory test pits were used in place of continued excavation to determine the horizontal limits of the contamination. Following the test pit activities, confirmation sampling and the calculation of the hazard index (HI) determined that the original extent of contamination was grossly underestimated. Further excavation or treatment is necessary to minimize threats to, and provide adequate protection to, human health and the environment from exposure to the nitroaromatic contamination in soil. In addition to the original excavation of 118 cubic yards, approximately 7,600 cubic yards of additional excavation or treatment would be required to remediate PRRWP.

Currently, funding has become available to investigate the possibility of reducing the TNT found in the area to below Remedial Goal Objective (RGOs) level so that the soil can remain on site rather than being disposed of off site at a landfill and this is what the Scope of Work will cover.

1.2 Proposed Action Description

This project involves the treatment / reduction of nitroaromatics in soil in the PRRWP area within the Plum Brook Ordnance Works Project. This area consists of contaminated soil which horizontally covers approximately a half-acre and vertically covers an 8' depth (could be shallower if groundwater or bedrock is encountered).

Anticipated project actions consist of (at a minimum): excavation, tilling (in lifts between 12" to 18") of the soil with hydrated / slaked lime (potential for several treatments based on reduction achieved during 1st treatment), obtaining a pH that is conducive for treatment to occur, sampling periodically (field and lab confirmation) to determine the decrease in the nitroaromatics, comparing the reduced levels against the identified RGO of 13.8 mg/kg for TNT, surveying volumes of soil tested, placing soil back in the ground, seeding area with common grasses found within the PRRWP area, preparing a report documenting the processes performed, findings and results of this field experiment and presenting the findings at a Restoration Advisory Board (RAB) meeting.

In discussions with Ohio EPA, it was agreed that the soil could be placed back in the ground at the PRRWP should the treatment not reduce the TNT levels below the RGO levels. This agreement was based on the facts that future funding will be available for a continuation of the Interim Soil Removal Action on the additional contaminated soil and because this soil was identified as non-hazardous.

2.0 Statutes, Regulations, and Guidance (Reference Documents)

2.1 PRRWP Final Action Memorandum, dated 2003, USACE

2.2 Final Interim Soil Removal Action Report dated 2006, WTI

2.3 ESTCP website describing the treatability and field demonstrations:

<http://www.estcp.org/projects/compliance/200216o.cfm>

2.4 Final Report: Evaluation of Lime and Persulfate Treatment of Plum Brook Ordnance Works

2.5 Kinetics of the Alkaline Hydrolysis of Important Nitroaromatic Co-Contaminants of 2,4,6-Trinitrotoluene in Highly Contaminated Soils, Monika Emmrich, Environmental Science & Technology / Vol 35, No. 5, pgs 874 – 877, 2001

2.6 US Army Corps of Engineers, Technical Project Planning (TPP) Process, 31 August 1998, EM 200-1-2.

2.7 US Army Corps of Engineers, Engineering and Design – Requirements for the Preparation of Sampling and Analysis Plans, 1 February 2001, EM 200-1-3.

2.8 US Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, latest version.

3.0 Objectives.

The Contractor shall provide all equipment, labor, materials and supervision necessary for the treatment / reduction of the contaminant of concern – TNT within the PRRWP area. Overall, this work shall consist of the following tasks:

- | | |
|---------|--|
| Task 1 | Preparation/Submission of a Site-Specific Safety and Health Plan (SSHP) |
| Task 2 | Preparation/Submission of a Quality Control Plan (QCP) |
| Task 3 | Preparation/Submission of a Plan of Operations |
| Task 4 | Field Activities/Utilities |
| Task 5 | Site / Volume Survey |
| Task 6 | Excavation / Tilling Efforts |
| Task 7 | Field Screening / Confirmation by Laboratory |
| Task 8 | Site Restoration |
| Task 9 | Preparation/Submission of Draft and Final In Situ Lime Treatment Pilot Study for PRRWP |
| Task 10 | Meeting Support |

4.0 Tasks. The tasks outlined in Section 3.0 are described in detail in the following sections of this Scope of Work (SOW). This work shall be conducted by the Contractor in an environmentally acceptable manner conforming to existing federal, state, and local regulations under US Army Corps of Engineers (USACE)/Huntington District (CELRH) supervision.

4.1 (Task 1) Preparation and Submission of a Safety and Health Plan (SSHP)

The SSHP shall be prepared to cover field activities planned for the PRRWP area. The plan shall comply with the requirements of the U.S. Army Corps of Engineers, Safety and Health Requirements Manual, EM 385-1-1, latest version, and the Department of Labor, Occupational Safety and Health Administration (OSHA) as presented in Title 29 of the Code of Federal Regulations, Part 1910.120. As a minimum, the contractor SSHP shall address the following items:

- Cover sheet. Identify company name, contract number, project location, signed and dated by plan developer.
- Responsibilities and lines of authority.
- Employee qualifications. Physical fitness, job competence, special skills, equipment operation.
- Employee training. First aid, CPR, back injury prevention.
- Safety meetings. "Tool box" meetings.
- Job Hazard Analysis. Preparation and revision, discussion with employees.
- Emergency response plan. Emergency number, means of communication, route to nearest medical facility.
- Accident reporting and supervisor responsibility. Report all accidents immediately to the Contracting Officer and submit ENG Form 3394 within two (2) working days.
- First aid kits.
- Personal protection equipment. As a minimum, employees must wear long-legged trousers, sleeved-shirt, and steel-toes shoes. Safety glasses with side shields and hard hats may also be appropriate, depending on activity.
- Hearing Protection
- Vehicles and equipment.
- Public safety.
- Fire safety.
- Environmental hazards.
- Housekeeping.
- Standard operating procedures.

The contractor shall read and conform to the SSHP when conducting this work. Documentation to this effect shall be furnished to the Government POC prior to initiation of any work. The plan shall also include the names, and qualifications of the Site Safety and Health Officer, including education, training and work experience.

4.2 (Task 2) Preparation and Submission of a Quality Control Plan (QCP)

The QCP shall be prepared according to the applicable ISO 9000 processes as identified at www.lrh.usace.army.mil/ct/quality developed for this type of work.

The QCP shall define the responsibilities and roles of each member on the Independent Quality Control Team (IQCT), along with those preparing or performing the tasks/activities in this SOW.

The QC Plan shall also detail the methods and procedures for inspection of work, identifying and correcting deficiencies, maintenance of records, list of authorized Quality Control Inspectors, list of authorized Contractor representatives, and security measures.

The draft and final versions of the various plans shall include a separate QC appendix that includes an activity review checklist (appropriate checks on those activities that were performed/reviewed) for the specific product, along with a signed sheet which designates the name, date and official work title of those persons performing/conducting the QC activities. All comments and responses, from both the Contractor's QC review and USACE's QA/QC review, as well as contract compliance review comments of the plans shall be included in the QC appendix of the final plans.

4.3 (Task 3) Preparation and Submission of a Plan of Operations

A Plan of Operations shall be prepared that covers the office / field activities planned for this work effort. This plan shall include a detailed scheme for the project's activities. This plan shall be submitted and approved by USACE prior to start-up of construction field activities.

The Contractor shall include in the Plan of Operations a Sampling and Analysis Plan, which will also Quality Assurance Project Plan (QAPP) and Field Sampling Plan (FSP) that will outline the sampling and analysis as well as the laboratory's quality assurance plan and any field sampling activities required for disposal of the contaminated soil as well as that required for confirmation/field screening efforts once excavation has been completed. The Contractor shall also address any IDW that may be generated during these efforts.

Sampling shall be for the one CoC - Nitroaromatics (method 8330) and pH to verify soil has reached the levels necessary to achieve treatment. The sampling and analysis shall be done in accordance with current USEPA SW-846 protocol.

4.4 (Task 4) Field Activities/Utilities

4.4.1 Field Activities. The site is currently owned by NASA Plum Brook Station (PBS), however, rights of entry are not required for this removal action. Coordination with PBS personnel will be conducted by USACE to ensure that the Contractor is allowed access to/from the site to perform all activities during this effort. The Contractor shall be required to enter/exit through the PBS security gate, therefore, he shall follow all rules set forth by PBS security. The USACE shall be notified in writing at least two (2) weeks prior to commencement of any field work. The Contractor shall coordinate his field activities with all appropriate authorities and agencies as required. No field work shall be started until the QCP, SSHP and Plan of Operations have been approved by USACE. The Contractor shall prepare and submit to USACE a written response to all comments. The Contractor shall also be responsible for providing (with the notification) an up-to-date, detailed time schedule for the field work to be performed.

4.4.2 Utilities. An excavation permit has already been acquired / coordinated with the Plum Brook Operations and Support Group (PBOSG) for the PRRWP area as well as any additional excavation areas discovered through the trenching / test pitting efforts. Therefore, the Contractor shall

coordinate with PBOW NASA and PBOSG (NASA's Contractor) to determine if the previously acquired excavation permit is still valid.

4.5 (Task 5) Site / Volume Survey

The Final ISRA for PRRWP, dated May 2006 (WTI) identifies the surveyed limits for the proposed excavation of the half-acre area. The Contractor shall utilize this report in obtaining information to survey/stake the limits prior to tilling. These areas shall also be surveyed once excavation/tilling is complete so as to get final quantities removed / treated as well as obtain coordinates for preparation of final mapping / as-built drawings for the draft and final reports.

4.6 (Task 6) Excavation / Tilling

The Contractor shall excavate / till the soil within the PRRWP contaminated limits with hydrated / slaked lime (3 – 5 tons / acre-ft) and maintain a pH level that is conducive to achieve treatment / reduction of the nitroaromatics in the soil. He shall do this in lifts no greater than 18 inches, excavate and stage the soil once treatment has been achieved (or when it reaches maximum reduction, even though it's not below the RGO level of 13.8 mg/kg). He shall continue this process until it is confirmed that the treatment is or isn't possible to reach a level below the RGO level which would make it possible to put the soil back in the ground.

4.7 (Task 7) Field Screening / Confirmation by Laboratory

The Contractor shall conduct field screening for TNT to see if the RGO level is being achieved prior to weekly confirmation sampling. Based on lab experiments for lime stabilization, and the half-life of 7 days, the Contractor shall assume a sampling effort once a week. He shall sample for the one CoC, TNT that's been identified for this site and document / tabulate the data for inclusion into the draft and final reports. Based on field conditions and volume of soil being tilled at a time, the Contractor shall coordinate with USACE POC to determine the number of samples per volume of soil that's required. The Contractor shall conduct all sampling in accordance with USEPA sampling protocol.

4.8 (Task 8) Site Restoration

At the completion of the project activities, the Contractor shall restore the site to initial or better conditions. The Contractor shall discuss in the Plan of Operations the details of the site restoration. Holes in the ground generated from removal shall be backfilled to the grade equivalent to surrounding areas. Once the site has been regraded, the Contractor shall reseed the area with vegetation indicative to what is currently in the PRRWP area. Site shall be restored back to natural contours / elevations and promote drainage so no ponding occurs.

4.9 (Task 9) Preparation/Submission of Draft and Final In Situ Lime Treatment Pilot Study for PRRWP

The Contractor shall prepare a draft and final In Situ Lime Treatment Pilot Study Report, which details the complete efforts during all activities in the SOW. Once the draft report has been

generated, the Contractor shall submit it to USACE for review. Any comments arising from this review shall be incorporated by the Contractor into the final report. See Section 4.2 for QC review and documentation requirements. See Section 5.3 for reporting requirements.

4.10 (Task 10) Meeting Support

The Contractor shall support USACE Project Manager or Technical Coordinator during meetings necessary to discuss the work defined by this work order. It is assumed a maximum of 1 meeting outside of field activities time will be held to discuss the proposed work. This meeting will be held at a location in the Sandusky Ohio area. The Contractor shall be responsible for preparing slides, handouts, and coordinating this meeting. The Contractor shall place a notice in the local newspaper announcing the meeting and inviting the public to attend. The Contractor shall document the meeting minutes and supply these to the USACE project manager or technical coordinator. If necessary the Contractor shall plan to give a presentation highlighting the requirements of this work.

5.0 Contractor Submittals / Schedule / Reporting / Other

5.1 Contractor Submittals

The Contractor shall furnish originals and copies of the work plans and response to comments in the quantities below. A written response to all comments shall also be prepared by the Contractor and included in the final submittal document. Submittals are as follows:

Draft and Final QCP, SSHP and Plan of Operations – 7 draft and 7 final copies of each plan to USACE

Draft and Final In Situ Lime Treatment Pilot Study Report – 7 draft and 7 final copies to USACE

Addresses for submittals:

U.S. Army Corps of Engineers
 Huntington District
 502 Eighth Street
 Huntington, WV 25701-2070
 ATTN: CELRH-EC-CE (Lisa A. Humphreys)

5.2 Due Dates, Contractor Submittals and Action Items

<u>Contractor Submittals / Action Items</u>	<u>No. Days</u>
Notice to Proceed	0
Submission of Draft QCP, SSHP and Plan of Operations	20 Days after NTP
Submission of Final QCP, SSHP and Plan of Operations	30 Days after NTP

Submission of Draft In Situ Lime Treatment Pilot Study Report	120 days after NTP
Submission of Final In Situ Lime Treatment Pilot Study Report	30 days following receipt of comments to Draft Report

5.3 Reports

All work plans presenting data, analyses, recommendations, and drawings shall be prepared in a standard format for reports, as described herein. The Contractor shall submit copies of the draft and final versions of the work plans using MS Word. A CD ROM containing the text and drawings will be submitted along with the final work plan. A decimal paragraphing system shall be used. All site drawings shall be done in English units and of engineering quality with sufficient detail to show interrelations of major features on the site map (i.e. north arrows, keys, scales, etc.). When drawings are required, data may be combined to reduce the number of drawings, however, the drawings are not to be congested to the point that sight of the detail is lost. All drawings included in the reports shall be done on Microstation V8, conform to the current USACE CADD Standards and shall be submitted to USACE along with the final work plan. The report shall consist of 8.5" by 11" pages with drawings folded, if necessary, to this size. If the Contractor must submit large drawings (42" by 29" size) folded to 8.5" by 11", use of top loading sheet protectors for the folded drawings will be required. The Draft and Final Work Plans shall be bound in three-ring binders and clearly labeled as "Draft" and "Final", respectively. Appendices in the work plans will be identified by tabs or other approved manner. A title page shall identify the title, the Contractor, the Corps of Engineer, Huntington District, and the date. Plastic photo holder sheets are to be used when including photos in report. All photos are to be at least 35mm or digital color photos and properly labeled and put on a CD for storage. Plastic loose-leaf media files are to be used when submitting CD ROMS. Photo documentation for each of the individual sites shall be taken before and after construction activities. Contractor Quality Control Reports, Manifests, Analytical Results and any other large volume appendix may be put on CD to reduce size of report. Should this occur, the Contractor may need to put a summary of the data in the body of the report or as a cover to the appendix. The Contractor shall also put the entire report on CD or DVD and include it in the final report submission. The entire report shall be provided in the working files as well as .pdf format, Optical Character Recognition – OCR'd (using Adobe 7 Professional) so that it can be easily incorporated into the electronic PBOW Administrative Record and Public Repository.

5.4 Other

The Contractor shall maintain a file documenting all correspondence, phone conversations, and meetings with the USACE and other elements. It shall be bound in an appropriate folder and filed in reverse chronological order. This correspondence file shall be available for inspection at any time by the USACE upon request and shall be submitted to the USACE upon the conclusion of this work order.

Additional responsibilities of the Contractor under this work order include, but are not limited to, the following items of work:

- 1) Depending on site conditions, the use of water may be required to control dust during construction activities. The amount of dust resulting from the construction activities shall be controlled to prevent the spread of dust to occupied areas near the construction site and to avoid creation of a nuisance in the surrounding area. Use of water shall not be allowed to result in, or create, hazardous or objectionable conditions such as flooding and pollution.
- 2) The Contractor is responsible for ensuring traffic safety in all work areas. Flagmen, temporary signage or other approved means shall be provided by the Contractor as needed to comply with the above requirement.
- 3) The use of burning at the project site for disposal of refuse and debris will not be permitted.
- 4) The Contractor shall be responsible for keeping the roads free from soil and other debris (i.e., swept periodically collect material (if dropped) and dispose of properly) as well as making sure the travel to/from the security gate by subcontractors (i.e., trucking requirements) as maintained to not destroy existing roads.
- 5) The Contractor shall have the following items on-site and available at any time: 1) SSHP, 2) QCP and 3) Plan of Operation 4) Final ISRA Report for PRRWP, dated May 2006 (WTI).
- 6) The Contractor shall obtain all permits, licenses, and maintain these documents at the project site where work is to be performed and have such documents readily available. The Contractor shall insure that he meets all Federal, State and Local requirements for the safe removal, containment, hauling and disposal of materials related to the project activities.
- 7) Compliance with the provisions of this SOW by subcontractors will be the responsibility of the Contractor.

6.0 Payment

Construction work shall be negotiated as firm fixed-price and billable periodically based on completion of activities and in accordance with the payments clause. This will include provision of backup documentation (including certified payrolls) prior to payment as well as inspection of site for verification of activities performed. Upon construction completion, if it is determined that certain activities have not been performed or constructed, then costs for those shall not be billed by the Contractor. A final modification will be issued / negotiated to reflect actual work items and the work order will be reduced / modified to reflect work not completed.

7.0 Public Affairs

The Contractor shall not make available to the news media or publicly disclose any data generated or reviewed under this contract. When approached by the news media, the Contractor shall refer them to the USACE Contracting Officer (CO) for response. Reports and data generated under this contract shall become the property of the Government and distribution to any other source by the Contractor, unless authorized by the CO is prohibited.

8.0 Point of Contact

The Contractor shall supply USACE a point-of-contact to facilitate communications. USACE's point-of-contact for the work is:

USACE, Huntington District
502 8th Street
Huntington, WV 25701-2070
Attn: CELRH-EC-CE, Lisa Humphreys
(304) 399-5953
304-360-2558 (cell)
Lisa.a.humphreys@us.army.mil

APPENDIX E

QUALITY CONTROL DOCUMENTS

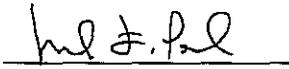
Quality Control Certification

Final Report

Lime Treatment Pilot Study Plum Brook Ordnance Works –Pentolite Road Red Water Ponds Sandusky, Ohio

Contract No. W91237-06-C-0006

This document is provided to certify that the Independent Quality Control Team (IQCT) has reviewed the Plan of Operations in accordance with the Quality Control Plan. All comments resulting from the various reviews have been resolved and/or incorporated.

<u>Assignment</u>	<u>Name</u>	<u>Signature</u>	<u>Date</u>
<u>Senior Review</u>	Mark F. Perkins		<u>7/26/07</u>
<u>Peer Review</u>	Rodney Bumgardner		<u>7/25/07</u>

Comments on Final Report

Lime Treatment Pilot Study Plum Brook Ordnance Works –Pentolite Road Red Water Ponds Sandusky, Ohio

Contract No. W91237-06-C-0006

The following comments were provided by the McTech Corp Independent Quality Control Team. All comments resulting from this review have been resolved and/or incorporated.

GENERAL COMMENTS

Comment: Verify all page numbers in the Table of Contents.

Response: Concur, page numbers are all correct.

Comment: The graphs throughout the report should have visible grid lines.

Response: Concur, the formatting has been changed to show all grid lines.

Comment: The over formatting of the paragraphs and spacing needs to be checked and made consistent throughout the report.

Response, Concur, The formatting has been corrected.

SPECIFIC COMMENTS

Comment: Under the Definitions and Acronyms only include those that are in this report.

Response: Concur, only the necessary items have been included.

Comment: Section 1.1, The first time ISRA is used it should be spelled out in full.

Response: Concur, the sentence has been rewritten to spell it out.

Comment: Section 1.3, paragraph 4, change the start of the first sentence to read, "The Lime Treatment Pilot Study project became available due to newly distributed funding..."

Response: Concur, the language of the sentence has been changed.

Comment: Section 4.0, Add a paragraph that addresses the preparation of the Plan of Operation.

Response: Concur, a third paragraph has been added.

Comment: Section 4.0, Throughout this section make each of the photographs larger.

Response: Concur, the photograph size has been increased.

Comment: Section 5.2, add Table 9 to show the analytical results of the one COC.

Response: Concur, Table 9 has been added.

Comment: Section 6.0, the discussion of the conclusions do not flow. Consider moving the pH discussion to follow the temperature discussion.

Response: Concur, the pH discussion has been moved to follow the temperature discussion.

Comment: Section 6.0, Consider separating the Conclusions from the Recommendations by creating a new Section 7.0.

Response: Concur, the recommendations have been moved to Section 7.0.

Comments on Final Report

Lime Treatment Pilot Study

Plum Brook Ordnance Works –Pentolite Road Red Water Ponds

Sandusky, Ohio

Contract No. W91237-06-C-0006

The following quality assurance review comments to the subject draft report are provided by Frank R. Albert, Jr., CELRH-EC-CE, May 2007.

Report Cover

1. It is noted that the word “Redwater” in the title should be revised to “Red Water”. (FA)
Response: Concur; “Redwater” was revised to “Red Water”.

Table of Contents

2. Table 3. “table 3” should be revised here and on page 16, to “Table 3”. (FA)
Response: Concur; “table 3” was revised to “Table 3”.

Definitions and Acronyms

3. OEPA. This acronym should be added for the Ohio Environmental Protection Agency. (FA)
Response: Concur; Ohio Environmental Protection Agency, OEPA, was added to Definitions and Acronyms.
4. PBOSB. Should be revised to “PBOSG”. (FA)
Response: Concur; “PBOSB” was revised to “PBOSG”.

Main Report Text

5. Section 1.1, 1st paragraph, 1st sentence. Revise “Ordinance” to “Ordnance”. (FA)
Response: Concur; “Ordinance” was revised to “Ordnance”.
6. Section 1.1, 1st paragraph, 2nd sentence. After “(DERP-FUDS)” recommend that you add “for environmental restoration of DOD-related contamination”. (FA)
Response: Concur; “for environmental restoration of Department of Defense (DOD)-related contamination” was added after “(DERP-FUDS)”.
7. Section 1.1, 1st paragraph, 3rd sentence. Recommend that the information regarding the contractor, contract, etc. be added for the May 2006 reference. (FA)
Response: Concur; contractor (WTI) was added to the referenced report.
8. Section 1.1, 2nd paragraph, 2nd sentence. Hyphens should be provided for the following “receptor specific” and “risk based”. (FA)
Response: Concur; “receptor specific” was revised to “receptor-specific” and “risk based” was revised to “risk-based”.
9. Section 1.1, 2nd paragraph, 3rd sentence. Recommend that you add “nitroaromatic-contaminated” before “soil”. (FA)
Response: Concur; “nitroaromatic-contaminated” was added before “soil”.

10. Section 1.1, 2nd paragraph, last sentence. The word “be” should be deleted. (FA)
Response: Concur; “be” was deleted.
11. Section 1.2, 2nd paragraph, 1st sentence. “DNT” should be defined at first use. (FA)
Response: Concur; “DNT” was defined here, the first occurrence.
12. Section 1.2, 3rd paragraph, 2nd sentence. “TNT B” should be defined at first use. (FA)
Response: Concur; “TNT B” was defined here, the first occurrence.
13. Section 1.2, last paragraph, last sentence. Add a hyphen at “nitroaromatic filled”. (FA)
Response: Concur; “nitroaromatic filled” was revised to “nitroaromatic-filled”.
14. Section 1.4, 1st paragraph, 1st sentence. Recommend including the Statement of Work as an appendix to the report and then referencing that appendix/SOW. (FA)
Response: Concur; Scope of Work was added to the appendices and is now Appendix D and referenced here.
15. Section 2.0.b. “PBOSG” should be defined at first use. (FA)
Response: Concur; “PBOSG” was defined here, the first occurrence.
16. Section 3.0(1). Please add a reference for the RI/FS here and in Section 8.0. (FA)
Response: Concur; contractors and dates were added to the referenced report.
17. Section 3.0(2). The term “RCRA” should be defined at first use. (FA)
Response: Concur; “RCRA” was defined here, the first occurrence.
18. Section 3.1, 1st sentence. Please add contractor and date reference for the RI/FS. (FA)
Response: Concur; contractors and dates were added to the referenced report.
19. Section 3.2, 3rd paragraph, 3rd sentence. It is noted that you mentioned TCLP analysis of soil that was removed from the site; however, there was not soil removed for this study. Also, the tense of the verbs “will be performed” and “was removed” do not match. (FA)
Response: Concur; “soil” was deleted and “will be performed” was revised to “was performed”.
20. Section 3.2, 3rd paragraph, last sentence. The statement should state why the TCLP analysis will be compared to RCRA levels....recommend that you add something like “...to determine proper waste disposal”, or other clarifying statement. (FA)
Response: Concur; sentence now reads “Analytical data from the TCLP analysis was compared to the RCRA regulatory levels for TCLP contaminants to determine proper waste disposal.”
21. Section 4.1, 1st paragraph, 1st sentence. Recommend revising the referenced report to the proper name and providing the proper reference information, (WTI, May 2006). (FA).
Response: Concur; sentence now reads “The Final Interim Soil Removal Action Report for Pentolite Road Red Water Ponds (WTI, May 2006) identified the...”
22. Section 4.1, 1st paragraph, 3rd sentence. Should the word “be” be deleted, or should the word “to” be added after “also”? Likely delete the word “be”. (FA)
Response: Concur; “be” was deleted.
23. Section 4.1, 1st paragraph, next-to-last sentence. I recommend that you add that the permit was submitted to and accepted by the PBOSG. (FA)
Response: Concur; sentence now reads “McTech applied for the digging and excavation permit that was submitted to the PBOSG on...”

24. Section 4.1, 2nd paragraph, 5th sentence. Recommend adding the yardage of each treatment pile or other language to define their construction/makeup and/or make reference to the SOW for additional details, etc. It does not appear that any engineering controls were in place, like earthen berms, silt fence, etc., but these items were likely not necessary due to field conditions. You might consider include a brief discussion. (FA)
Response: Concur; section now reads "Each lift was segregated into individual treatment piles. Each of the piles was nearly uniform size consisting of 25-26 cubic yards." Regarding engineering controls: a fifth paragraph was added that reads "All areas associated with this study, including the excavation, treatment piles, maneuvering areas, and staging areas, lie within the defined limits of nitroaromatic-impacted soil in the PRRWP site. Run-on and run-off was not deemed to be of concern since all potential impacts would be to previously defined impacted soils."
25. Section 4.1, 5th paragraph, 4th sentence. The word "tiled" should be "tilled". (FA)
Response: Concur; "tiled" was revised to "tilled".
26. Section 4.1, 6th paragraph, 4th sentence. The term "was managed" should be revised to "were managed". (FA)
Response: Concur; "was managed" was revised to "were managed".
27. Section 4.2, 1st paragraph, 2nd sentence. "Five point" should be "Five-point". (FA)
Response: Concur; "Five point" was revised to "Five-point".
28. Section 6.0, 4th paragraph, 4th sentence. The word "Significantly" should likely be "Significant" and the word "on" should be added between "had" and "the". (FA)
Response: Concur; "significantly" was revised to "significant" and "on" was added between "had" and "the".
29. Section 6.0, 5th paragraph, last sentence. The word "maintain" should be "maintained" and a comma should be added after "12". (FA)
Response: Concur; "maintain" was revised to "maintained" and a comma was added after "12".
30. Section 6.0, Graph 1. The graph is rather small and difficult to read; you might consider enlarging and printing in "landscape" format for ease in viewing. (FA)
Response: Concur; graph was enlarged.
31. Section 6.0, 6th paragraph, 3rd sentence. A comma should be added after "above". (FA)
Response: Concur; a comma was added after "above".
32. Section 6.0, 7th paragraph, last sentence. Please revise "2-Nitortoluene. (FA)
Response: Concur; "2-Nitortoluene" was revised to "2-Nitrotoluene".
33. Section n6.0, 8th paragraph, 7th sentence. Please revise "2-Nitotoluene". (FA)
Response: Concur; "2-Nitotoluene" was revised to "2-Nitrotoluene".
34. Section 6.0, 8th paragraph, last sentence. The statement that the contaminant decreased to a maximum of 100% may be better stated as decreased to non-detect. Is that what you meant by a 100% decrease? (FA)
Response: Concur; section now reads "The overall reductions in TNT concentrations ranged in the order of nearly 90% to 100% below laboratory detectable levels... .. this parameter also decreased to a level that was not detectable."
35. Graph 3 and Graph 4. Both graphs are rather small and difficult to read; you might consider enlarging each and printing in "landscape" format for ease in viewing. (FA)
Response: Concur; graphs were enlarged.
36. Section 7.0(1). Please add "mg/kg" after "13.8". (FA)
Response: Concur; "mg/kg" was added after "13.8".

37. Section 7.0(2). I do not understand the meaning of this statement. It is the responsibility of the site project manager or quality control officer to ensure that the Plan of Operations is followed. Deviations from the approved plan can be allowed, but these should be approved by the USACE and documented in this report. Any deviations should not compromise the pilot study, but if they did, and that was the meaning of this statement, then please clarify. I recommend deleting this entry, as written, or revise to clarify the intent of the statement. (FA)
Response: Concur; statement deleted.
38. Section 8.0. Recommend adding the Statement of Work and the RI/FS that previously referenced in the report to the reference section and adding the month for the WTI report that is referenced. (FA)
Response: Concur; SOW and RI/FS were added to references as was month of WTI report.
39. Appendices, General. Recommend adding an appendix for the Statement of Work. (FA)
Response: Concur; Appendix added. Appendix D is now the Scope of Work.
40. Appendix A, Maps. The smaller of the two site maps should be placed first in the report to serve as the vicinity or overall site plan. That map should have the roads, etc., that were plotted in "grayed-out" format plotted heavier so that the location of the pilot study area can be better referenced to the PBOW site.
Response: Concur; vicinity map placed first.
41. Appendix A, Photographs. Notations should be added to the photographs to discuss what has been presented. There appear to be some "duplicative effort" photographs, which could be deleted so that the report contains a minimal, good mix of photos. (FA)
Response: Concur; some similar photographs were removed, remaining photographs were given accompanying description.

Comments on Final Report

Lime Treatment Pilot Study Plum Brook Ordnance Works –Pentolite Road Red Water Ponds Sandusky, Ohio

Contract No. W91237-06-C-0006

Quality assurance review comments to the subject draft report provided by Robert F. Lallier Jr. Environmental Manager, NASA, Plum Brook Station.

1. Page 11, fourth line – shouldn't it read "...served as the control and were managed..."
Response: Concur; "was managed" was revised to "were managed".
2. Page 15, Section 5.1, first line – "...measurements were made..."
Response: Concur; "measurements will be made" was revised to "measurements were made"
3. Page 22, fourth paragraph, fourth line – "...the reduced temperature had on the field..."
Response: Concur; "on" was added between "had" and "the".
4. Page 24, paragraphs two and three – 2-Nitrotoluene is spelled incorrectly.
Response: Concur; "2-Nitortoluene" was revised to "2-Nitrotoluene" and "2-Nitotoluene" was revised to "2-Nitrotoluene".
5. Some of the graphs are hard to read, so full or even half pages might be better.
Response: Concur; smaller graphs were enlarged.