ICON
Environmental Solutions, LLC

October 15, 2003

Mr. Tony Russell
Office of Pollution Control
Mississippi Department of Environmental Quality
101 West Capital Street
Jackson, MS 39201

Re: Gulf States Creosote Site
Clearing, Grubbing, Disposal of Stumps, & Backfilling Work Plan dated March 24, 2003
Parcel #5
West Pine Street
Hattiesburg, MS

Mr. Russell,

We would like to submit the following work plan for your review, and consideration, for Icon to proceed with the next phase of environmental testing and analysis, to determine if any residual contamination exist on the Former Gulf States Creosote Site, Parcel # 5 on West Pine Street.

This plan will detail the recommended removal, disposal and cleanup of the property, in the event any contamination is detected in the soil analysis.

We would appreciate your approval to proceed with the work plan as soon as possible. If you have any immediate questions prior to releasing your written statement please do not hesitate to contact me.

Regards,

Joe Ford

Joe Ford

Cc: Mr. John Fairchild

- **Pull core samples on eastern portion of site**
- **Provide analytical test on samples**
- **Determine contamination levels, if any**
- **Determine removal & disposal requirement(s) & method**
- **Finalize property remediation**

Former Gulf States Creosote Site
Parcel Number 5
West Pine Street
Hattiesburg, Mississippi

Prepared
October 15, 2003

By

Icon Environmental Solutions, LLC
210 West Front Street
Suite 100
Hattiesburg, MS 39401
601-543-0909

Table of contents:

1.0 Site Background

The Gulf States Creosote site is a former wood treating plant located in Hattiesburg, Mississippi. Since 1996, Kerr-McGee Chemical (KMC) has conducted extensive investigations to determine the extent of impacted media. Through the completion of the investigative process, the vertical and horizontal extent of impacted media has been fully delineated.

The site location for this phase of work is approximately 1.8 acres and is presented in Figure 1 and Figure 2. The site is bound to the west by a drainage ditch, to the south by Southern Railroad track, to the east by Strahan Auto Sales, and to the north by West Pine Street. As shown in Figure 2, the drainage ditch, which is positioned southeast to northwest, divides the site into approximately two halves (east and west). This document describes site activities in reference to the east portion. Previous investigations (Figure 2) indicated low levels of benzo(a)pyrene in soil samples SS-15 (0.033 mg/kg), SS-16 (1.10 mg/kg), and SS-17 (0.93 mg/kg). Due to these low level concentrations of benzo(a)pyrene, ICON Environmental was contracted to clear, grub and dispose of the timber, debris and stumps from the property. The stumps excavated on the western portion of the site were shredded with the tree debris and shrubs from the whole site. The stumps from the eastern portion of the site were pulled up and segregated for shredding. The segregated shredded stump material was sampled for analysis, which showed no creosote, or other hazardous chemical residue contamination. During the excavation no chemical residue, or chemical vapors, were physically detected or seen. Even though no contamination was found, the segregated shredded stump material was disposed of as burn fuel at Mobile Forrest Products in Alabama.

This document describes the second phase plan to pull soil samples for analytical test to be performed in identifying (1) if any creosote chemical residue remains in the soil on the eastern portion of the site (2) and if there is any residue found, to determine and initiate the most feasible way of excavating, removing, and disposing of the contaminated material.

2.0 Scope of Work

This project consist of:

- Setting a preliminary grid to determine five sample locations on the eastern portion
- Pulling soil samples from a depth of ten (10) feet for analysis
- A PID (Photo Ionization Device) will be used to identify the contamination points in each of the ten-foot sections of the five samples.
- The soil sample sections will then be analyzed to identify if any creosote chemical residue, or other toxic chemicals are within the soil.
- Once the analytical test results are obtained the decision will be made at that time to:
    (1) Cease any further work activity if no traces of contamination are found, or
    (2) Allow the landowner the option of leaving the property as it is, or
    (3) Determine the boundary of contamination and excavate the contamination, remove the contamination off-site to the proper landfill for disposal, and backfill with clean fill as needed.
    (4) The backfill will be transported from an off-site location and placed as needed on-site.

All activities shall be managed in accordance with applicable federal, state and local requirements. All transportation manifests and disposal certificates shall be retained and submitted to ICON for documentation.

3.0 Storm Water Pollution Prevention

3.1 Site Information

The site is presently clear of timber and the west side of the property has been reseeded with permanent grass for ground cover. The sampling of the soil will not disturb the area of the drainage ditch, or it's immediate surroundings. Three-fourths of the site has low erosion hazard. The remainder of the site has low to medium erosion hazard. On the south end of the property an earthen ditch is positioned east to west that flows into an earthen ditch positioned southeast to northwest. The ditches have intermittent flow with the direction of flow being from the southeast to northwest, draining into Gordon's Creek, which is not on the 303(d) list for siltation, turbidity, or habitat alterations. Therefore, additional controls that are warranted for a site discharging to listed receiving streams are not required.

3.2 Controls

Vegetative Controls: After completion of the sampling and finalizing the remediation of the property, the eastern portion will be seeded (permanent seeding) within seven calendar days.

Structural Controls: A construction entrance will be built and accumulation of mud on vehicle tires will be washed, if needed, during muddy conditions.

Housekeeping Practices: All equipment maintenance and repair will be done offsite. Trash cans will be placed onsite as needed. Paints, solvents, fertilizers, or any other potentially toxic materials will not be stored on site.

Post Construction / Storm Water Management Measures: Additional vegetative and structural controls will be placed onsite as needed.

3.3 Implementation Sequence

1/ Identify sample locations.	2/ Pull soil samples.	3/ Perform analytical tests.
4/ Identify any contamination.	5/ Excavate contamination	6/ Remove and dispose cont.
7/ Backfill, if needed.	8/ Reseed eastern portion	9/ Maintenance plan

3.4 Maintenance Plan

Check all disturbed areas, erosion and sediment controls after each significant rainfall but not less than once per week. Make needed repairs within 24 hours. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover – reseed and fertilize as needed.

4.0 HEALTH AND SAFETY PLAN (HASP)

The project activities consist of griding the eastern portion of the site for identifying five (5) sample locations. Pulling five core samples to a depth of ten (10) feet. Analyzing each core section for sample dissection with a PID (Photo Ionization Device), perform analytical test of sample material to determine if contamination is present. If any contamination is found the landowner(s) will decide whether to cease all work and leave the property as the designated plan in the Phase I work plan, or continue work to excavate contamination, remove and dispose of contaminated material in the proper landfill and backfill if needed. Clean backfill will be transported from an off-site location and placed as needed on-site. All transportation and removal of contaminated material shall be managed in accordance with all applicable Federal, State, and local requirements. All transportation manifests and disposal certificates shall be retained and submitted to ICON for documentation. The site is bound to the west by the drainage ditch, to the south by Southern Railroad track, to the east by Strahan Auto Sales, and to the north by West Pine Street. A site location map is provided as Figure 1 and Figure 2.

The following authorizes this HASP:

Michael Kolkana, C-MAC Environmental Services, Site Safety Officer Date

Joe Ford, ICON Environmental Solutions, LLC, Project Manager Date

4.2 Staff Organization

Project Manager Joe Ford – As Project Manager on this site, Mr. Ford will assume responsibility for the overall co-ordination of on-site and off-site activities.

Site Safety Officer Michael Kolkana – As Site Safety Officer (SSO), Mr. Kolkana will be responsible for collecting and maintaining documentation of each worker, conducting and documentation of the daily tool box safety meeting, and maintenance of current emergency response and medical assistance phone numbers throughout the project.

Alternate Site Safety Officer(s)	Chris Steward	(C-MAC Environmental)
	Joe Ford	(ICON Environmental)
	Doug Brewer	(RDA Construction)

– Will assume the duties of the SSO when the SSO is not on the project site.

Technicians / Operators Will be responsible for heavy equipment operation and general labor on the site. They will report directly to the Project Manager or SSO.

4.3 Work Activities

Pre-construction site reconnaissance This activity will consist of a general recognizance of the site to include locating underground and aboveground utilities and structures that may be present onsite that could be affected by site activities.

Setting preliminary grid to identify core locations This activity consists of the orientation of five core locations on the eastern portion of the site.

Pulling Core Samples Pull five (5) core samples down to a depth of ten (10) feet and then use a PID (Photo Ionization Device) to identify the strongest contamination point of each of the five samples. The section of the highest reading will be analyzed for contamination. If no contamination levels are detected a section of the ten-foot core will still be analyzed for verification purposes.

Run Analytical Test & Review Results This activity will determine if any contamination is evident in the soil on the eastern portion of the site. (1) If none is found, no other work will be done other than reseed the eastern portion and complete the maintenance profile. (2) If contamination is found, the decision will be made by the landowners on whether to cease work and leave the property "capped" as it is. Or (3) excavate the contaminated soil, remove and dispose of in the proper landfill, and backfill the property as needed and perform maintenance.

Backfilling This activity consists of backfilling the site as needed with clean soil from off-site. The backfill shall be free from roots, trash, debris, frozen material, and stones larger than 3 inches.

Storm water Pollution Prevention This activity may consist of one or all of the following: Vegetative controls, structural controls, housekeeping practices, post construction/storm water management measures, implementation, and maintenance.

4.4 Hazard Assessment

Previous environmental assessments indicate that chemical hazards are not present on this site. However, all precautions will be taken to ensure that no site worker comes in contact with any suspicious looking materials (soils, liquids). In the event suspicious materials are encountered, site workers will cease in that area and all appropriate notifications will be made. All site workers will be briefed on the site's previous creosoting activities and the hazards associated with exposure to creosote. An MSDS for Creosote is included as Appendix A in this document and will be reviewed with all site workers.

4.5 General Health and Safety Requirements

In the event an ICON Environmental employee or subcontractor is exposed to a known on-site chemical hazard, that person will then be examined by a qualified medical doctor.

All accidents will be immediately reported to the SSO who will report them immediately to the project manager. The project manager will make the necessary notifications as appropriate. Local emergency services may be called to the site by dialing 911.

If an off-site chemical hazard is identified the subject area will be deemed an exclusion zone. Access to the exclusion zone will be limited to persons in compliance with 29 CFR 1910.120 (HAZWOPER).

No work will be performed during periods of lightning, or other severe weather conditions. No work will be performed in any exclusion zones, or in excavations, which are not in compliance with OSHA regulations related to trenches.

Appropriate PPE and work area visual observations will be conducted as determined by SSO.

4.6 Site Specific Health and Safety Requirements

It is expected that work on this site will be conducted in Level D, generally consisting of hardhat, steel toed boots/shoes, gloves, safety glasses, and hearing protection (as needed). Decontamination at this level will consist of washing shoes/boots upon leaving site and a recommendation to immediately change, or wash daily work clothes upon returning to home/hotel.

Heavy Equipment that is used on-site which comes in contact with contaminated soil will be washed either with potable water and detergent, or with potable water via a pressure washer. The rinsate will either be collected and disposed of off-site or sent to the local POTW, or storm sewer. Disposal to the POTW or storm sewer will be pursued first and ICON Environmental will obtain any necessary permits.

4.7 Emergency Response Procedures

The nearest medical facility is Forrest General Hospital and may be contacted directly by dialing 288-2100. Emergency medical services may be called to the site by dialing 911. The site has no land based telephone service, cell phones will be maintained on-site at all times in case of emergency.

A map showing the route to and from the site to Forrest General Hospital is included as Figure 1.

4.8 Logs, Reports, and Record Keeping of Health and Safety Documents

Daily tool box safety meetings will be held and documented on the Daily Tool Box Safety Meeting form. This documentation will be maintained by ICON Environmental. The daily tool box safety meeting form is presented below.

Documentation to establish compliance with 29 CFR 1910.120 for each employee will be maintained on-site by the SSO.

The undersigned have read and understand the site safety plan and agree to comply with all requirement listed.

Name (printed)	Name (signed)	Date

Daily Tool Box Safety Meeting Form
ICON Environmental Solutions, LLC

Project Number / Name: _____ Date: _____

Location: _____ Meeting conducted by: _____

Time started: _____ Time ended: _____ Total minutes: _____

Project Manager: _____ Site Safety Officer: _____

Alternate Site Safety Officer: _____

1) Daily scope of work topics:
   A)
   B)

2) Daily Chemical / Physical Hazards:
   A)
   B)

Chemical	Exposure Limit	Exposure Route	Symptom	Physical Hazards
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

3) Accidents Reviewed: _____

4) Storm Water Controls Necessary? Yes / No List Control Measures

5) Comments / Suggestions: _____
_____

6) Personal Protective Levels / Tasks:

Level	PPE Description	Work Task	Type Cartridge
_____	_____	_____	_____
_____	_____	_____	_____

7) Signed by Those in Attendance:

Name (printed)	Name (signature)	Company

5.0 PROJECT DELIVERABLES AND SCHEDULE

On completion of all activities listed in this work plan a report will be prepared and submitted to MDEQ. The report will describe all related activities completed during this phase of work.

The schedule of activities to be completed as part of this phase of work includes the following:

- Utility search and clearance to proceed with soil sampling on site
- Grid east side of site to identify and locate sample locations
- Pull sample cores and analyze sample material for analytical test
- Complete analytical test and review results to determine remainder of work plan method
- If no contamination is found site will be reseeded and maintenance plan will be enacted
- If contamination is found, the landowner may decide to cease all work activity and leave as is, or
- Continue with excavation of contamination, remove & dispose contamination in proper landfill, then backfill if needed.
- Backfill will be moved from off-site location as needed to restore site
- Reseed site with permanent cover and implement maintenance plan
- Weekly erosion and sediment control inspections (1 month or until stabilized) (The inspections will be submitted an addendum)

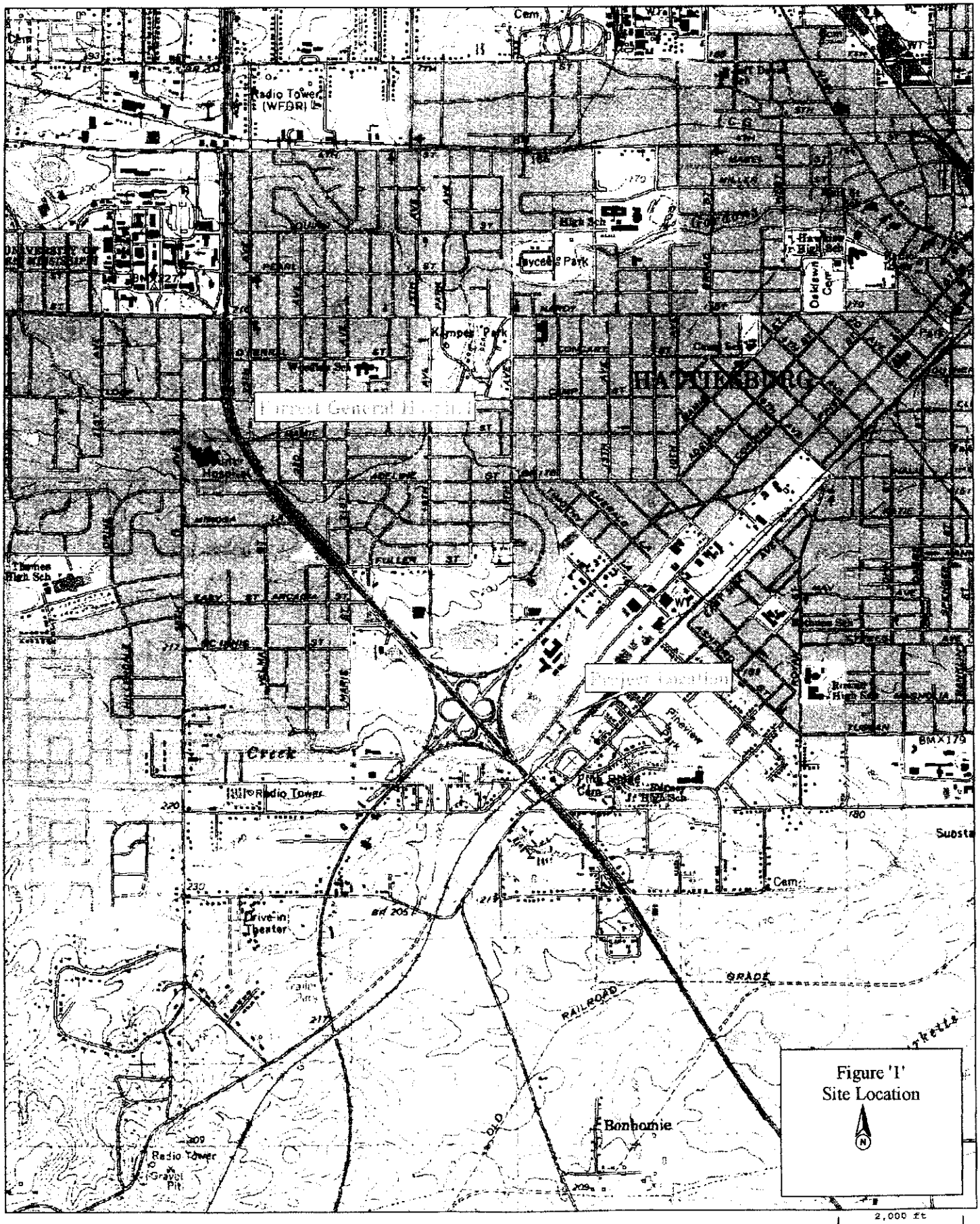
Assuming no delays during completion of the fieldwork, the testing and construction phase of work should be completed in approximately 5 to 6 weeks. The weekly inspections will be completed in approximately 4 weeks following restoration.

1) 3 days	Grid site and pull core samples
2) 3 weeks	Run analytical test for determination of soil contamination
3) 2 weeks	Complete excavation and removal of contamination, reseed site
4) 4 weeks	Monitor site and drainage

The initiation of field activities will commence within 2 to 4 days of approval of the work plan by MDEQ.

6.0 REFERENCES

Michael Pisani & Associates, Inc. 2002. Final Remedial Action Work Plan, Former Gulf States Creosoting Site, Hattiesburg, Mississippi: August 21, 2002



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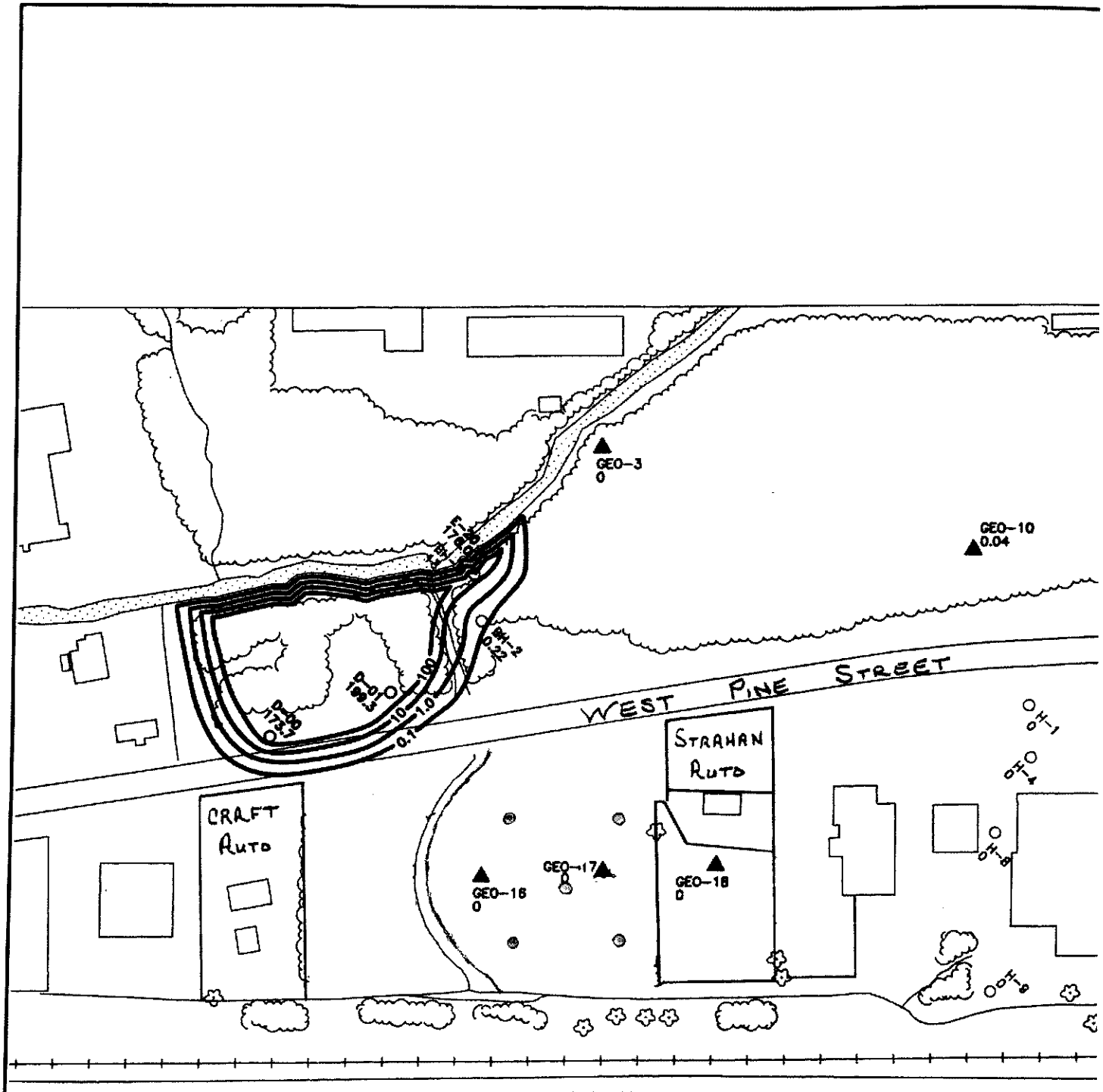

SITE INSPECTION, 1/92 BY MDEQ FOR EPA

SOIL GAS AND SOIL SAMPLING, 5/90 BY ROY F. WESTON FOR EPA

PHASE II INVESTIGATION OF PROCESS AREA, 1994 BY EPS FOR VAN SLYKE

PHASE II INVESTIGATION OF GIBSON'S SHOPPING CENTER, 6/94 BY BONNER FOR MS. THOMAS

PRELIMINARY SUBSURFACE INVESTIGATION OF RYAN MOTORS/RSCO REALTY, 10/94 BY BONNER ANALYTICAL TESTING

ADDITIONAL INVESTIGATION OF GIBSON'S SHOPPING CENTER, 7/95 BY BONNER FOR MS. THOMAS

REPORT OF INVESTIGATION ACTIVITIES 5/96 BY McLAREN HART FOR VAN SLYKE

SOIL BORING ASSESSMENT, 6/96 BY TDS

REMEDIAL INVESTIGATION, BY MP&A FOR KMCC

LEGEND

SB-12 ○ HISTORI

GEO-26 ▲ PHASE I

MW-5 ● HISTORI

—0.1— BENZO(a)

○ = RECOMMENDED CORE LOCATIONS

FIGURE 2

APPENDIX A

MSDS Cresote

CORNELL

Material Safety Data Sheets

Division of Facilities Services

DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only

CREOSOTE

Section 1 - Product and Company Identification
CREOSOTE

Product Identification: CREOSOTE
Date of MSDS: 01/01/1987 **Technical Review Date:** 10/08/1986
FSC: 6810 **NIIN:** 00-257-2482
Submitter: G AW
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: KOPPERS CO., INDUSTRIAL PRODUCTS DIV.
Manufacturer's Address1:
Manufacturer's Address2: N/P, NK 00000
Manufacturer's Country: NK
General Information Telephone:
Emergency Telephone: 412-327-3000
Emergency Telephone: 412-327-3000
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: Y
Published: Y
CAGE: KO910
Special Project Code: N

Item Description

Item Name: CREOSOTE TECH WOOD
Item Manager: GSA
Specification Number: ASTM D-390
Type/Grade/Class: N/K
Unit of Issue: GL **Quantitative Expression:** NK
Unit of Issue Quantity: 1 GL CN
Type of Container: METAL

Contractor Information

Contractor's Name: KOPPERS CO INC
Contractor's Address1: 3000 KOPPERS BLDG
Contractor's Address2: PITTSBURGH, PA 15219-1818
Contractor's Telephone: UNKNOWN
Contractor's CAGE: 80592

Contractor Information

Contractor's Name: KOPPERS CO., INDUSTRIAL PRODUCTS DIV.
Contractor's Address1: UNKNOWN
Contractor's Address2: UNKNOWN, NK 00000
Contractor's Telephone: UNKNOWN
Contractor's CAGE: KO910

Section 2 - Compositon/Information on Ingredients
CREOSOTE

Ingredient Name: CREOSOTE (SARA III)
Ingredient CAS Number: 8001-58-9 **Ingredient CAS Code:** M
RTECS Number: GF8615000 **RTECS Code:** M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:

>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: N/P
% Enviromental Weight:
Other REC Limits: N/P
OSHA PEL: NOT ESTABLISHED **OSHA PEL Code:** M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED **ACGIH TLV Code:** M
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity: 1 LB
DOT Reporting Quantity: 1 LB
Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview
CREOSOTE

Health Hazards Acute & Chronic: N/P

Signs & Symptoms of Overexposure:
IRRIT TO SKIN & EYES.VAPOR & FUMES EVOLVED ON HEATING IRRIT TO EYES & RESPIRAT TRACT.SKIN MAY BECOME

Medical Conditions Aggravated by Exposure:
N/P

LD50 LC50 Mixture: N/P

Route of Entry Indicators:
Inhalation: N/P
Skin: N/P
Ingestion: N/P

Carcenogenicity Indicators
NTP: N/P
IARC: N/P
OSHA: N/P

Carcinogenicity Explanation: N/P

Section 4 - First Aid Measures
CREOSOTE

First Aid:
REMOVE TO FRESH AIR.IF NOT BREATHING.GIVE ARTIFICIAL RESPIRATION, PREF MOUTH TO MOUTH.IF BREATHING IS DIFFICULT,GIVE OXYG.CALL A PHYS.INCASE OF

SKIN OR EYE CONTACT,REMOV FR SKIN W/WATERLESS HAND CLEAN ER;FLUSH EYES IMMED W/PLENTY OF WATER F/AT LEAST

Section 5 - Fire Fighting Measures
CREOSOTE

Fire Fighting Procedures:
FULL PROTECTIVE EQUIPMENT INCL SELF-CONTAINED BREATH APPARAT
Unusual Fire or Explosion Hazard:
IN CLOSED CONTAINERS CONTAINING LIQUID,PRESSURE BUILD-UP DUE TO HEAT EXPOSURE.WATER MAY BE US
Extinguishing Media:
CARBON DIOXIDE,WATERFOG,FOAM, DRY CHEMICAL
Flash Point: Flash Point Text: >200F TCC >93C

Autoignition Temperature:
Autoignition Temperature Text: N/A
Lower Limit(s):
Upper Limit(s):

Section 6 - Accidental Release Measures
CREOSOTE

Spill Release Procedures:
CLEAN UP & PUT BACK IN CONTAINER OR WASTE RECEPTABLE.COVER W/LAYER OF SAND & SCRAPEUP.USE PROTECTIVE MEASURES OUTLINED IN SECTION VIII.DO NOT ALLOW TO GET INTO STREAM.

Section 7 - Handling and Storage
CREOSOTE

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
CREOSOTE

Repiratory Protection:
WHEN EXPOS ARE ABOVE TLV/SEC.II & V) & VENTIL IS INADEQUATE,USE APPR
Ventilation:
LOC EXHAUST-USE ADEQ VENTIL IN VOLUME & PATTERN TO KEEP WORK
Protective Gloves:
RUBBER(NEOPRENE
Eye Protection: CHEM SAFETY GOGG AND/OR F
Other Protective Equipment: OVERALLS OR A NEOPRENE APRON TO PROTECT AGAINST CLOTHING CON
Work Hygenic Practices: N/P
Supplemental Health & Safety Information: N/P

Section 9 - Physical & Chemical Properties
CREOSOTE

HCC: N1
NRC/State License Number:
Net Property Weight for Ammo:
Boiling Point: Boiling Point Text: 7356F 180
Melting/Freezing Point: Melting/Freezing Text: N/A
Decomposition Point: Decomposition Text: N/A
Vapor Pressure: 1 **Vapor Density:** >1
Percent Volatile Organic Content:
Specific Gravity: 1.050
Volatile Organic Content Pounds per Gallon:
pH: N/P
Volatile Organic Content Grams per Liter:
Viscosity: N/P
Evaporation Weight and Reference: SLOW
Solubility in Water: SLIGHT
Appearance and Odor: BROWN TO BLACK LIQUID W/CREOSOTE OR TARRY ODOR
Percent Volatiles by Volume: N/P
Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
CREOSOTE

Stability Indicator: YES
Materials to Avoid:
N/P
Stability Condition to Avoid:
OVERHEATING
Hazardous Decomposition Products:
N/P
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization:
N/P

Section 11 - Toxicological Information
CREOSOTE

Toxicological Information:
N/P

Section 12 - Ecological Information
CREOSOTE

Ecological Information:
N/P

Section 13 - Disposal Considerations
CREOSOTE

Waste Disposal Methods:

BURN IN APPRVD INCINERATOR OR USE APPRVD CHEMICALLY DISPOSAL FACILITY.DO NOT INCINERATE CLOSED CONTAINER.DISPOSAL MUST BE CARRIED OUT IN ACCORDANCE W/LOC,STATE & FEDERAL REGULATIONS.

Section 14 - MSDS Transport Information
CREOSOTE

Transport Information:
N/P

Section 15 - Regulatory Information
CREOSOTE

SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

Section 16 - Other Information
CREOSOTE

Other Information:
N/P

HMIS Transportation Information

Product Identification: CREOSOTE
Transporation ID Number: 62009
Responsible Party CAGE: KO910
Date MSDS Prepared: 01/01/1987
Date MSDS Reviewed: 01/22/1983
MFN: 01/22/1983
Submitter: G AW
Status Code: C

Container Information
Unit of Issue: GL
Container Quantity: 1 GL CN
Type of Container: METAL
Net Unit Weight:

Article without MSDS: N
Technical Entry NOS Shipping Number:
Radioactivity:
Form:
Net Explosive Weight:
Coast Guard Ammunition Code:
Magnetism: N/P
AF MMAC Code:
DOD Exemption Number:
Limited Quantity Indicator:

Multiple Kit Number: 0
Kit Indicator: N
Kit Part Indicator: N
Review Indicator: Y
Additional Data:

Department of Transportation Information

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT PSN Code: ZZZ
Symbols: N/R
DOT PSN Modifier:
Hazard Class: N/R
UN ID Number: N/R
DOT Packaging Group: N/R
Label: N/R
Special Provision(s): N/R
Packaging Exception: N/R
Non Bulk Packaging: N/R
Bulk Packaging: N/R
Maximimum Quanity in Passenger Area: N/R
Maximimum Quanity in Cargo Area: N/R
Stow in Vessel Requirements: N/R
Requirements Water/Sp/Other: N/R

IMO Detail Information

IMO Proper Shipping Name: SEE ADDITIONAL DATA FIELD IN HMIS FOR FURTHER INFORMATION
IMO PSN Code: XXX
IMO PSN Modifier:
IMDG Page Number: N/A
UN Number:
UN Hazard Class: N/A
IMO Packaging Group:
Subsidiary Risk Label:
EMS Number: N/A
Medical First Aid Guide Number: N/A

IATA Detail Information

IATA Proper Shipping Name: SEE ADDITIONAL DATA FIELD IN HMIS FOR FURTHER INFORMATION
IATA PSN Code: XXX
IATA PSN Modifier:
IATA UN Id Number:
IATA UN Class:
Subsidiary Risk Class:
UN Packaging Group:
IATA Label:
Packaging Note for Passengers:
Maximum Quantity for Passengers:
Packaging Note for Cargo:
Maximum Quantity for Cargo:
Exceptions:

AFI Detail Information

AFI Proper Shipping Name: SEE ADDITIONAL DATA FIELD IN HMIS FOR FURTHER INFORMATION
AFI Symbols:
AFI PSN Code: XXX
AFI PSN Modifier:
AFI UN Id Number: N/A
AFI Hazard Class: N/A
AFI Packing Group: N/A
AFI Label:
Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: CREOSOTE
CAGE: KO910
Assigned Individual: Y
Company Name: KOPPERS CO., INDUSTRIAL PRODUCTS DIV.
Company PO Box:
Company Street Address1: UNKNOWN
Company Street Address2: UNKNOWN, NK 00000 NK
Health Emergency Telephone: 412-327-3000
Label Required Indicator: Y
Date Label Reviewed: 12/16/1998
Status Code: C
Manufacturer's Label Number:
Date of Label: 12/16/1998
Year Procured: N/K
Organization Code: G
Chronic Hazard Indicator: N/P
Eye Protection Indicator: N/P
Skin Protection Indicator: N/P
Respiratory Protection Indicator: N/P
Signal Word: N/P
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

8/7/2002 9:42:54 PM

APPENDIX B

Analytical report on contaminated Stump material from east portion of site

CULPEPPER TESTING LABORATORIES

301 HARDY STREET SUITE D
HATTIESBURG, MS 39401
(601) 583-0411
FAX: (601) 582-8163
E-mail: culpe@aol.com

CLIENT: ICON ENVIRONMENTAL SOLUTIONS REPORT DATE: 09-17-03

COLLECTED BY: JOE FORD SAMPLE DATE: 08-27-03

COMMENTS: SHREDDED TREE STUMPS DATE ANALYZED: 08-28-03

CTL SAMPLE ID: 03-750 CTL JOB NUMBER: 20030429

SEMI-VOLATILE

ANALYTE	RESULT	UNITS	REPORT LIMITS	DIL. FACTOR	EPA METHOD
ACENAPHTHENE	ND	mg/kg	5.98	5	8270C
ACENAPHTHYLENE	ND	mg/kg	5.98	5	8270C
ANTHRACENE	ND	mg/kg	5.98	5	8270C
BENZO(a)ANTHRACENE	ND	mg/kg	5.98	5	8270C
BENZO(a)PYRENE	ND	mg/kg	5.98	5	8270C
BENZO(b)FLUORANTHENE	ND	mg/kg	5.98	5	8270C
BENZO(g,h,i)PERYLENE	ND	mg/kg	5.98	5	8270C
BENZO(k)FLUORANTHENE	ND	mg/kg	5.98	5	8270C
4-BROMOPHENYLPHENYLETHER	ND	mg/kg	5.98	5	8270C
BUTYLBENZYLPHTHALATE	ND	mg/kg	5.98	5	8270C
CARBAZOLE	ND	mg/kg	5.98	5	8270C
4-CHLORO-3-MEHTYLPHENOL	ND	mg/kg	5.98	5	8270C
4-CHLOROANILINE	ND	mg/kg	5.98	5	8270C
BIS(2-CHLOROETHOXY)METHANE	ND	mg/kg	5.98	5	8270C
BIS(2-CHLOROETHYL)ETHER	ND	mg/kg	5.98	5	8270C
BIS(2-CHLOROISOPROPYL)ETHER	ND	mg/kg	5.98	5	8270C

CULPEPPER TESTING LABORATORIES

301 HARDY STREET SUITE D
HATTIESBURG, MS 39401
(601) 583-0411
FAX: (601) 582-8163
E-mail: culpe@aol.com

CLIENT: ICON ENVIRONMENTAL SOLUTIONS REPORT DATE: 09-17-03

COLLECTED BY: JOE FORD SAMPLE DATE: 08-27-03

COMMENTS: SHREDDED TREE STUMPS DATE ANALYZED: 08-28-03

CTL SAMPLE ID: 03-750 CTL JOB NUMBER: 20030429

SEMIVOLATILE

ANALYTE	RESULT	UNITS	REPORT LIMITS	DIL. FACTOR	EPA METHOD
2-CHLORONAPHTHALENE	ND	mg/kg	5.98	5	8270C
2-CHLOROPHENOL	ND	mg/kg	5.98	5	8270C
4-CHLOROPHENYLPHENYLETHER	ND	mg/kg	5.98	5	8270C
CHRYSENE	ND	mg/kg	5.98	5	8270C
DIBENZOFURAN	ND	mg/kg	5.98	5	8270C
DIBENZ(a,h)ANTHRACENE	ND	mg/kg	5.98	5	8270C
1,2-DICHLOROBENZENE	ND	mg/kg	5.98	5	8270C
1,3-DICHLOROBENZENE	ND	mg/kg	5.98	5	8270C
1,4-DICHLOROBENZENE	ND	mg/kg	5.98	5	8270C
3,3'-DICHLOROBENZIDINE	ND	mg/kg	5.98	5	8270C
2,4-DICHLOROPHENOL	ND	mg/kg	5.98	5	8270C
DIETHYLPHTHALATE	ND	mg/kg	5.98	5	8270C
2,4-DIMETHYLPHENOL	ND	mg/kg	5.98	5	8270C
DIMETHYLPHTHALATE	ND	mg/kg	5.98	5	8270C
DI-N-BUTYL PHTHALATE	ND	mg/kg	5.98	5	8270C

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CTL SAMPLE ID: 03-750 CTL JOB NUMBER: 20030429

SEMI-VOLATILE					
ANALYTE	RESULT	UNITS	REPORT LIMITS	DIL. FACTOR	EPA METHOD
4,6-DINITRO-2-METHYLPHENOL	ND	mg/kg	5.98	5	8270C
2,4-DINITROPHENOL	ND	mg/kg	5.98	5	8270C
2,4-DINTROTOLUENE	ND	mg/kg	5.98	5	8270C
2,6-DINTROTOLUENE	ND	mg/kg	5.98	5	8270C
DI-N-OCTYLPHTHALATE	ND	mg/kg	5.98	5	8270C
FLUORANTHENE	ND	mg/kg	5.98	5	8270C
FLUORENE	ND	mg/kg	5.98	5	8270C
HEXACHLOROBENZENE	ND	mg/kg	5.98	5	8270C
HEXACHLOROBUTADIENE	ND	mg/kg	5.98	5	8270C
HEXACHLOROCYCLOPENTADIENE	ND	mg/kg	5.98	5	8270C
HEXACHLOROETHANE	ND	mg/kg	5.98	5	8270C
INDENO(1,2,3-CD)PYRENE	ND	mg/kg	5.98	5	8270C
ISOPHORONE	ND	mg/kg	5.98	5	8270C
2-METHYLNAPHTHALENE	ND	mg/kg	5.98	5	8270C
2-METHYLPHENOL	ND	mg/kg	5.98	5	8270C
M,P-METHYLPHENOL	ND	mg/kg	5.98	5	8270C
NAPHTHALENE	ND	mg/kg	5.98	5	8270C

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CTL SAMPLE ID: 03-750 CTL JOB NUMBER: 20030429

SEMI-VOLATILE					
ANALYTE	RESULT	UNITS	REPORT LIMITS	DIL. FACTOR	EPA METHOD
2-NITROLINE	ND	mg/kg	5.98	5	8270C
3-NITROANILINE	ND	mg/kg	5.98	5	8270C
4-NITROANILINE	ND	mg/kg	5.98	5	8270C
NITROBENZENE	ND	mg/kg	5.98	5	8270C
2-NITROPHENOL	ND	mg/kg	5.98	5	8270C
4-NITROPHENOL	ND	mg/kg	5.98	5	8270C
N-NITROSODI-N-PROPYLAMINE	ND	mg/kg	5.98	5	8270C
N-NITROSODIPHENYLAMINE	ND	mg/kg	5.98	5	8270C
PENTACHLOROPHENOL	ND	mg/kg	5.98	5	8270C
PHENANTHRENE	ND	mg/kg	5.98	5	8270C
PHENOL	ND	mg/kg	5.98	5	8270C
PYRENE	ND	mg/kg	5.98	5	8270C
BIS(2-ETHYLHEXYL)PHTHALATE	ND	mg/kg	5.98	5	8270C
1,2,4-TRICHLOROBENZENE	ND	mg/kg	5.98	5	8270C
2,4,5-TRICHLOROPHENOL	ND	mg/kg	5.98	5	8270C
2,4,6-TRICHLOROPHENOL	ND	mg/kg	5.98	5	8270C

ND = NON DETECT