#84614

REGION IV
CERCLA REMOVAL ACTION FACTS SHEET

SITE:	Montreal Court Drum Site
SIZE:	One-half acre.
LOCATION:	Tucker, DeKalb County, Georgia.
APPROVAL DATE:	May 4, 1990.
PROJECT DATES:	January 10, 1990 through October 4, 1990.
DESCRIPTION:	Montreal Court is located in an industrial area of DeKalb County, Georgia. The one-half acre site was leased by the owner to a leasee who used the property to store over thirty drums of hazardous materials.
HAZARDOUS MATERIALS:	Flammable liquids and solids, oxidizers, volatiles, petroleum products, heavy metals, and chlorinated organics.
QUANTITIES REMOVED:	3165 Gallons of Waste Flammable Liquids.
ON-SCENE COORDINATOR:	Steve Spurlin.
REMOVAL CONTRACTOR:	O.H. Materials, Inc., Findlay, Ohio.
DISPOSAL LOCATIONS:	MKC Enterprises, Incorporated Doraville, Georgia
COMMENTS:	At the time of this removal, the Environmental Protection Agency's National Enforcement Investigation Center (NEIC) was investigating the site and the responsible party(ies).

MONTREAL COURT DRUM
OSC REPORT
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I. INTRODUCTION

A. Site Background/Site History

The property located on Montreal Court in Tucker, DeKalb County, Georgia is located in an industrial area of the county. The property was leased by the owner to an individual who used the property as a drum storage area. As a result of the property owner's complaints and inquiries, the Environmental Protection Agency's National Enforcement Investigation Center (NEIC) was investigating the site.

An initial site investigation was performed by TAT in January 1990, which revealed the presence of thirty-five 55-gallon drums on site. (TAT Document #04-F-03861). The majority of the drums were stored on pallets and all of the drums showed signs of weathering. Many of the drums were open top drums and six were empty. A few of the drums were stored on their sides and some of the drums had leaked as was evidenced by the discolored soil in the drum storage area. While on site, TAT created drum #36 by depositing a small amount of heavily contaminated soil in the drum. The soil appeared to have been contaminated by the leaking of drum #29, which was empty and laying on it's side. Sampling of the drums by TAT revealed the presence of a variety of materials in the drums, including heavy metals, volatiles, flammables, oxidizers and chlorinated organics. In conjunction with the on-going criminal investigation of the responsible party(ies), the EPA Emergency Response Branch initiated

a fund-lead removal action in May 1990, to curtail the imminent threat from the hazardous materials present on the site.

II. PHASE I - SITE CHARACTERIZATION

A. Site Investigation

On 23 May 1990, EPA mobilized ERCS and TAT to Montreal Court Drum Site to re-sample the drums for compatability testing and to establish waste streams for disposal. Upon completion of drum inventorying, ERCS sampled all of the drums, including drum #36. Due to the fact that six of the drums were empty, ERCS completed the sampling of only thirty drums. (Attachment D - Photographs). The samples were analyzed for disposal parameters by Ecotek Laboratory Services Incorporated in Atlanta, Georgia. (Attachment C - Analytical Data).

III. PHASE II - REMOVAL ACTION

A. Removal, Transportation and Disposal of Waste Streams

From the initial field characterization and compatability analysis performed on the samples taken by TAT in January 1990, it was determined which drums contained hazardous materials. Only the twelve drums containing hazardous materials were removed from the site.

On 30 May 1990, EPA mobilized ERCS and TAT to the site to overpack nine drums that were in one compatable waste stream, according to the analytical testing. This waste stream contained the flammable

liquids, the oxidizers and the hexane soluble liquids. The drums that were in this particular waste stream, or Wastestream 1, were drums # 3, 4, 6, 7, 9, 10, 24, 32 and 33. During this particular site visit, the OSC and TAT found one 30-gallon drum of a liquid that appeared to be waste oil on the site property, also. This drum had not previously been present on the site. This drum was numbered 38 and was sampled and overpacked along with the other nine drums. The analysis of the sample confirmed that the sample was a petroleum product.

On 6 July 1990, EPA mobilized ERCS and TAT to the site to monitor the removal of the nine drums which made up Wastestream 1. The removal of the nine drums was carried out by MKC Enterprises, Incorporated of Doraville, Georgia. Approximately 3000 gallons of waste flammable liquids were removed by MKC from the site on this individual day.

On 27 September 1990, EPA mobilized ERCS and TAT to the site to remove the remaining three hazardous drums. Unfortunately, due to miscommunication and confusion between the ERCS contractor and MKC Enterprises, Incorporated, the removal of the final two wastestreams was temporarily delayed.

On 4 October 1990, EPA mobilized ERCS and TAT to the site for the final removal process. ERCS overpacked drums #11 and #34, which contained approximately 110 gallons of waste flammable liquids with high levels of cadmium. These two drums, or Wastestream 2, were removed by MKC, also. In addition, drum #38, which contained

approximately 30 gallons of petroleum distillates was also removed by MKC during this visit. ERCS and TAT demobed from the site concluding the removal at Montreal Court Drum Site.

ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS

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David Henderson, Treatability and Disposal Assistant
OH Materials Corporation
1000 Holcomb Woods Parkway
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Roswell, Georgia 30076
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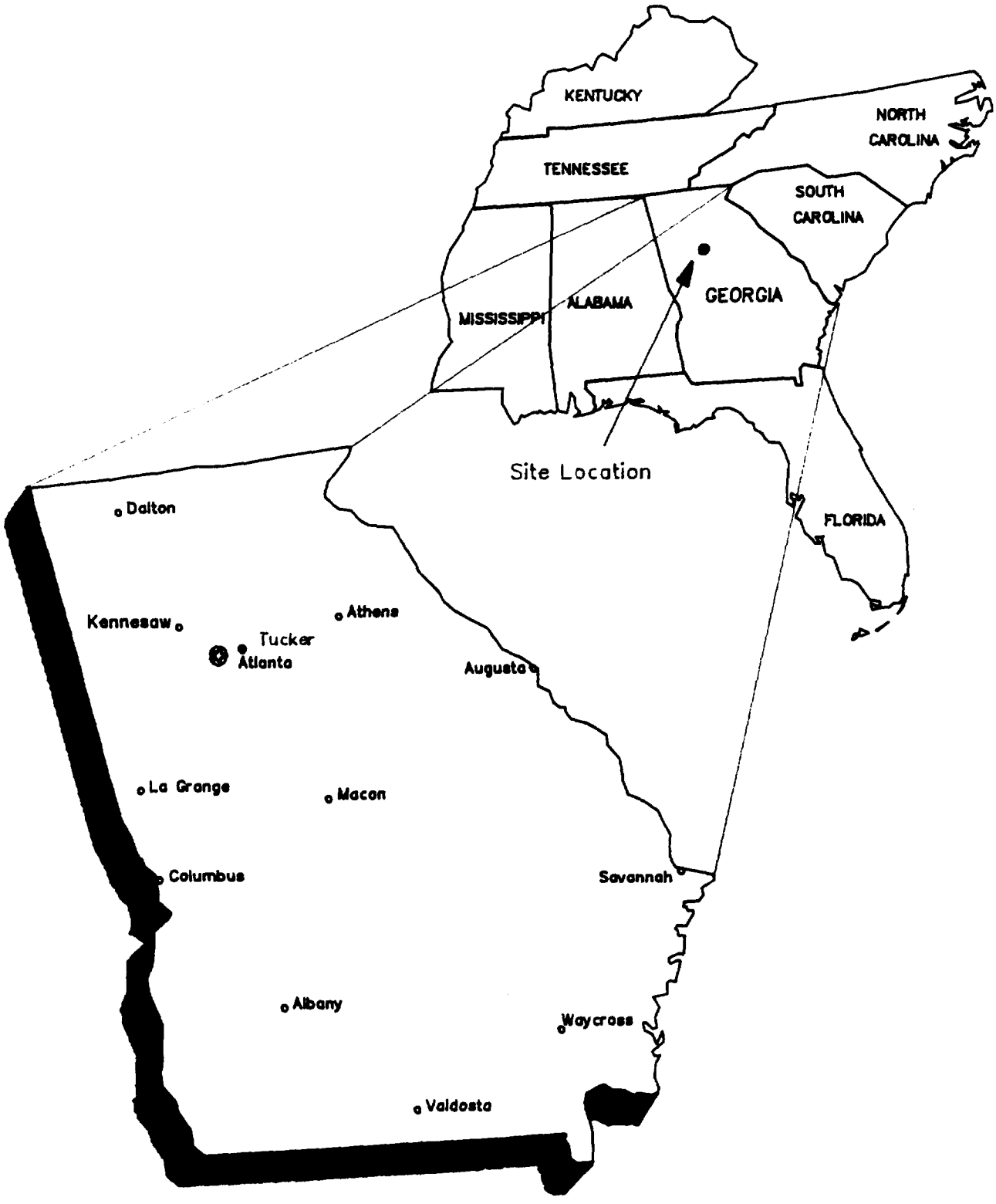
FIGURE 1

General Location Map

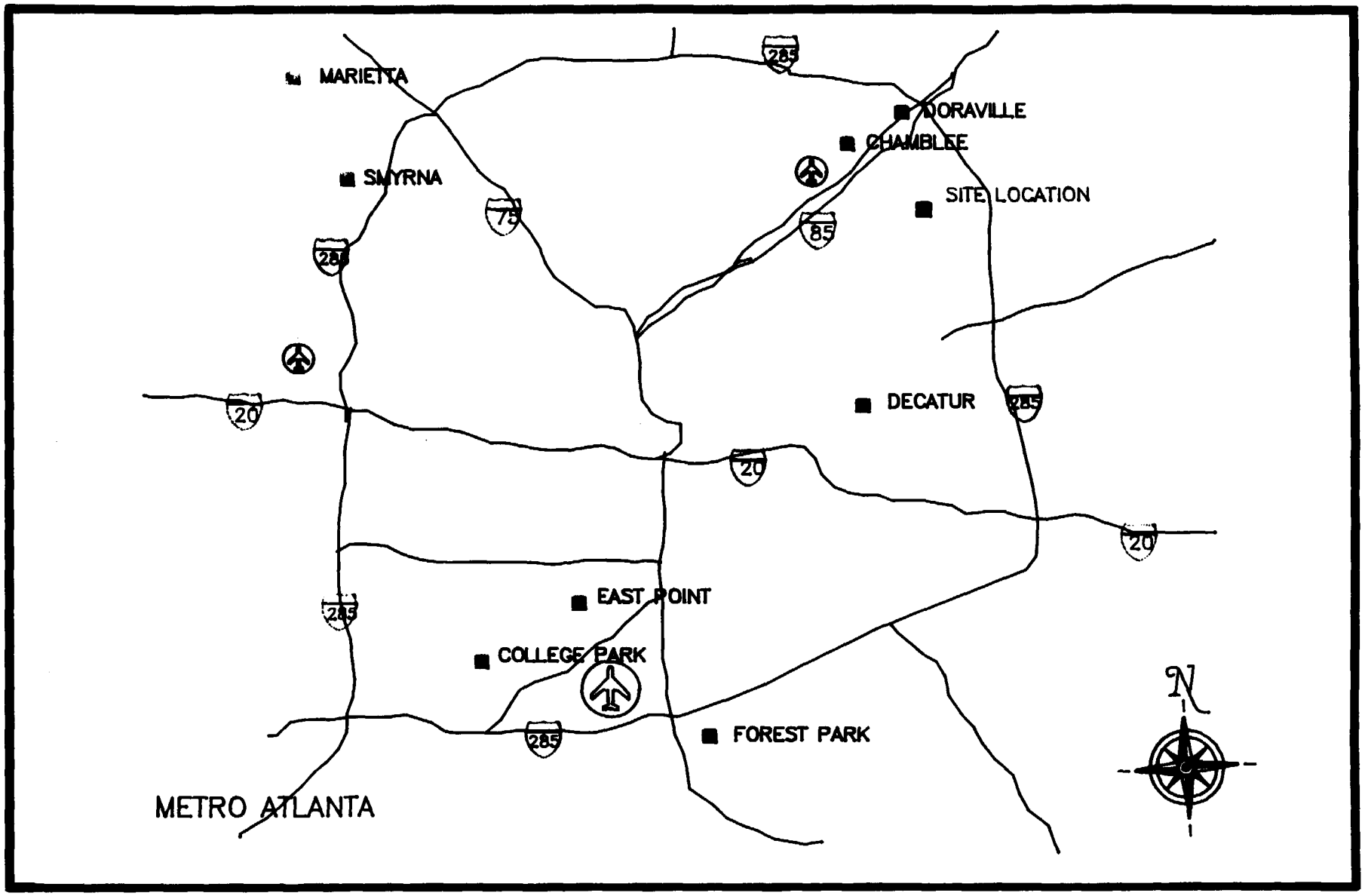


E.P.A. Region IV
General Site Location Map
TDD # 04-9010-0002-1002
MONTREAL COURT DRUM REMOVAL
TUCKER, DEKALB COUNTY, GEORGIA

EPA

FIGURE 2

Site Location Map



WESTON MAJOR PROGRAMS REGION IV TAT

TAT Activity Description: Site Location Map

Tucker, DeKalb County, Georgia

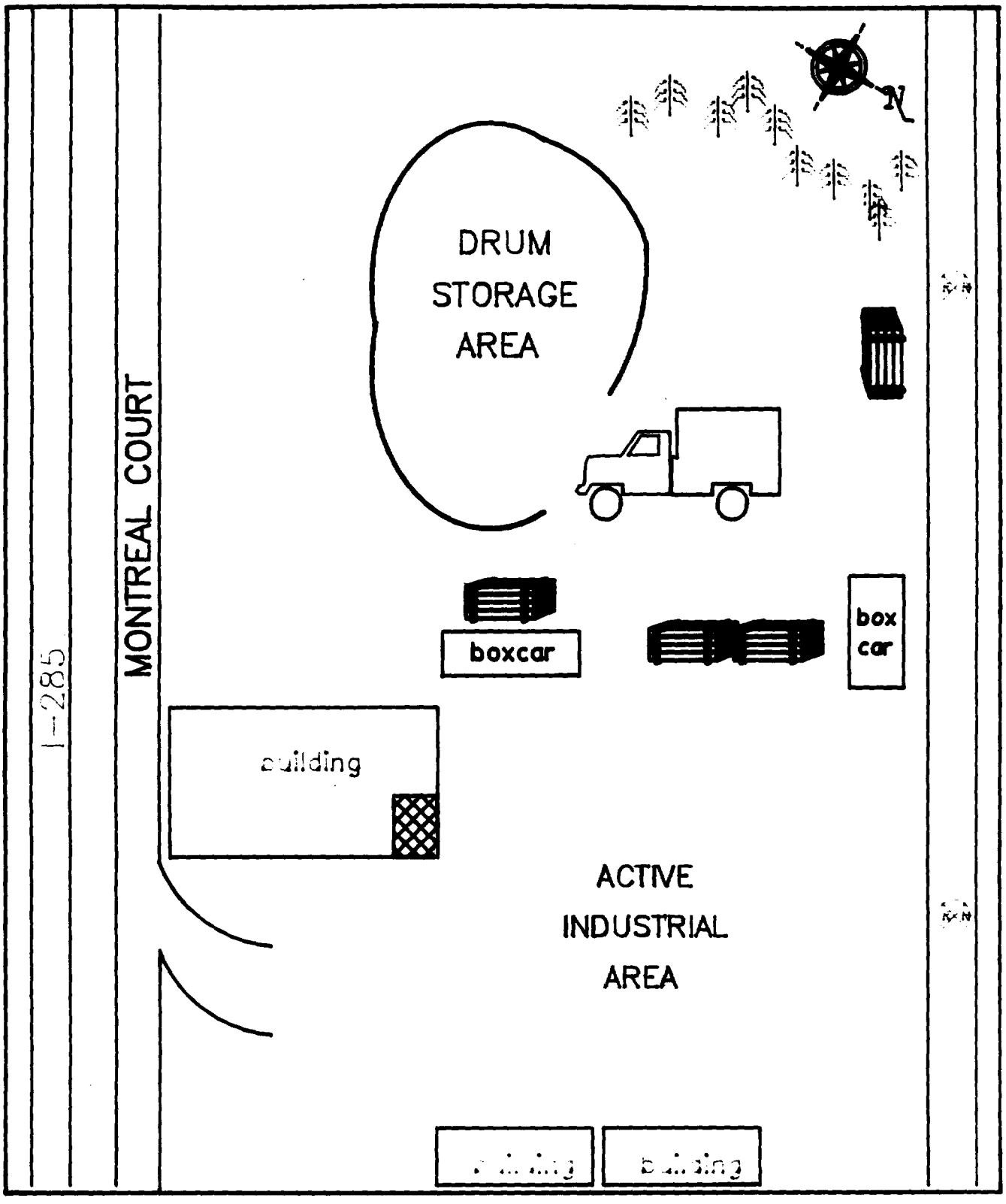
SITE: Montreal Court Drum Removal

TDD NO.: 04-9010-0002-1002

DATE: 4 October 1990

FIGURE 3

Site Sketch



WESTON TAT ACTIVITY: SITE DIAGRAM

SITE: MONTREAL COURT DRUM

TUCKER, DEKALB COUNTY

TDD NUMBER: 04-9010-0002-1002

GEORGIA

DATE: 4 October 1990

ATTACHMENT A

Action Memorandum

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

ACTION MEMORANDUM

DATE: MAY 04 1990

SUBJECT: Removal Action Authorization for the Montreal Court Drum Site, Tucker, Georgia.

FROM: Steve Spurlin
On-Scene Coordinator

TO: Patrick M. Tobin, Director
Waste Management Division
EPA Region IV

PURPOSE

This memorandum is for authorization to proceed with the removal action at the Montreal Court Drum Site in Tucker, Georgia. A significant threat to the public health and the environment exists at this time, and may worsen if response is delayed. The total cost of the project is $100,315.

BACKGROUND

A. Site Setting/Description

The site is located at 1804 Montreal Court, Tucker, Georgia. The site is generally open field, with several small businesses, including a body shop, shipping company, and well-drilling operation located in close proximity.

In December 1989, representatives from the EPA Office of Criminal Investigation (OCI) requested the EPA Emergency Response & Removal Branch to respond to the site to investigate and identify any hazards associated with thirty-five (35) abandoned drums.

B. Quantity and Types of Substances Present

Thirty-five fifty-five gallon drums were found at the site on January 10, 1990. Technical Assistance Team (TAT) personnel under level B protection examined the drums and report that many drums were open top and in various stages of deterioration. TAT performed a site assessment that included drum sampling for compatibility analysis. Subsequently, when all drums were sampled the On-Scene Coordinator selected three drums to be resampled to be sent to the EPA Environmental Services Division laboratory for Target Compound List (TCL) analysis.

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Several drums could not be sampled due to insufficient volumes in the drums or the material was solidified. Of the 35 total drums on-site; 26 were sampled; 2 could not be sampled; and 7 were empty. One drum was empty and had spilled its contents on the ground.

Sample analysis confirmed the presence of the following hazardous substances in the concentrations set forth:

SUBSTANCE	LEVEL
Toluene	17,021 ppm
Ethylbenzene	6,526 ppm
Tetrachloroethene	1,147 ppm
Total Xylenes	3,944 ppm
1,1,1-Trichloroethane	156 ppm
Phenol	1,300 ppm

C. The site is not on the NPL.

THREAT

A. Threat of Exposure to Public or the Environment

The site is in an unsecured open area. Due to the sites' close proximity to other businesses the potential exists for human exposure via direct contact with the material. Also, four drums contain flammable liquids which pose a potential fire and explosion hazard.

The site has no release containment. Should a release occur, soil, groundwater, and surface water could be adversely effected.

B. Evidence of Extent of Release

Several drums were open and could be discharging hazardous material when rainwater displaces the drum contents. One drum had spilled its contents on the ground. Also, when conducting a follow-up site visit to inspect the condition of the drums, EPA observed that another drum appeared to have leaked a small amount of an oily substance. The drums remain unprotected from environmental exposure and continued deterioration of their integrity through exposure will result in an increased chance of a release.

C. Actions Taken to Abate Threat

There have been no previous actions to abate the threat.

D. Current Actions to Abate Threat

There are no current actions to abate the threat posed by this site, and none are anticipated should this action be disapproved.

ENFORCEMENT

See Attachment I

PROPOSED ACTIONS AND COSTS

A. Objectives of the Project

The objectives of this project are to repackage, remove, and dispose of all drums found to contain hazardous substances at the Montreal Court site. The drums will be disposed of at an approved hazardous waste facility.

B. Project Costs

Extramural Costs	
Cleanup Contractor Costs	$72,500
TAT Costs	$ 8,600
15% Contingency	$12,165
Total Extramural Costs	$93,265
Intramural Costs	
Direct Costs ($30 x 100hrs)	$3,000
Indirect Costs ($54 x 75hrs)	$4,050
Total Intramural Costs	$7,050
TOTAL SITE BUDGET	$100,315

Attachment I

ENFORCEMENT SUMMARY

On April 16, 1990, I contacted the EPA Office of Criminal Investigation (OCI) concerning the status of the criminal investigation of potential responsible parties (PRP) for the drums at the Montreal Court site. The OCI requested that the EPA Emergency Response and Removal Branch delay notifying PRP's until after OCI has completed its investigation because communication with PRP's would jeopardize the ongoing criminal ivestigation. PRP's will be pursued for cost recovery after the OCI investigation is concluded.

C. Project Schedule

The Delivery Order will be issued when the Action Memorandum is approved. Project duration is estimated to be five (5) days with on-site work beginning May 23, 1990 and completed May 27, 1990. Disposal will be completed by August 10, 1990.

D. Consistency with Remedial Plan

N/A-Site is not listed on the NPL.

RECOMMENDATIONS

Because conditions at the Montreal Court Drum site meet the National Contingency Plan Section 300.415(b) and CERCLA 104(c)(1)(C) criteria for a removal action, I recommend your approval of the proposed action. The estimated total project ceiling is $100,315 of which $72,500 are for extramural cleanup contractor costs.

You may indicate your approval or disapproval by signing below:

APPROVED:_____ DATE:_____

DISAPPROVED:_____ DATE:_____

Spurlin	Rogers	Lair	C. Jackson	Tobin
4/26/90	for	for		
		6/1/90		

ATTACHMENT B

Compatibility Table

MONTREAL COURT COMPATABILITY DATA

SAMPLE	AIR/WATER REACT.	WATER SOL.	HEX SOL	PER OXIDE	OXIDE	PH	CI ORG	SUL FIDE	CY	F.P.F.	PCB(PPM)
D01 (S/L)	-	+	-	-	-	7.5	-	+	-	>200	<10
D02 (L)	-	+	-	-	-	7.5	-	-	-	>200	<10
D03 (L/OIL)	-	-	+	-	-	6.0	-	-	-	>200	<10
D03A (L)	-	-	+	-	-	6.0	-	-	-	158	<10
D04 (L/OIL)	-	-	+	-	-	5.5	-	-	-	122	<10
D05 (S)	-	-	+	-	-	6.0	-	-	-	>200	<10
D06 (L)	-	-	+	-	-	6.0	-	-	-	120	<10
D06A (2L LAYERS)	-	+bottom	+top	-	-	7.0	-	-	-	122	<10
D07 (SLUDGE)	-	-	+	-	-	6.0	+	-	-	>200	<10
D08 (SLUDGE)	-	+	-	-	-	6.0	-	-	-	>200	<10
D09 (SLUDGE)	-	-	+	-	-	N.D.	+	-	-	140	<10
D10 (L)	-	+	+	-	-	5.0	-	-	-	131	<10
D12 (OILY/SLUDGE)	-	+	-	-	-	9.0	-	-	-	>200	<10
D13 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D14 (S)	-	+	-	-	-	9.0	-	-	-	>200	<10
D15 (OILY/SLUDGE)	-	+	-	-	-	7.0	-	-	-	>200	<10
D16 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D17 (L)	-	+	-	-	-	6.5	-	-	-	>200	<10
D18 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D19 (L)	-	+	-	-	-	7.0	-	-	-	>200	<10
D20 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D22 (L)	-	+	-	-	-	5.0	-	-	-	>200	<10
D24 (L/S)	-	+bottom	+top	-	+	8.0	-	-	-	>200	<10
D25 (L)	-	+	-	-	-	5.0	-	-	-	>200	<10
D31 (L/S)	-	+	-	-	-	5.0	-	-	-	>200	<10
D32 (L & OILY)	-	+bottom	+top	-	-	6.0	+	-	-	122	<10
D33 (L)	-	-	+	-	-	4.0	-	-	-	>200	<10
D35 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D36 (S)	-	+	-	-	-	4.0	-	-	-	>200	<10

L - LIQUID

S - SOLID

**D11, D34 & D38 were not included in this compatability analysis. They were analyzed at a later date.

missing Accuma analytical

2.11

REGION IV
CERCLA REMOVAL ACTION — FACTS SHEET

SITE:	Montreal Court Drum Site
SIZE:	One-half acre.
LOCATION:	Tucker, DeKalb County, Georgia.
APPROVAL DATE:	May 4, 1990.
PROJECT DATES:	January 10, 1990 through October 4, 1990.
DESCRIPTION:	Montreal Court is located in an industrial area of DeKalb County, Georgia. The one-half acre site was leased by the owner to a leasee who used the property to store over thirty drums of hazardous materials.
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QUANTITIES REMOVED:	3165 Gallons of Waste Flammable Liquids.
ON-SCENE COORDINATOR:	Steve Spurlin.
REMOVAL CONTRACTOR:	O.H. Materials, Inc., Findlay, Ohio.
DISPOSAL LOCATIONS:	MKC Enterprises, Incorporated Doraville, Georgia
COMMENTS:	At the time of this removal, the Environmental Protection Agency's National Enforcement Investigation Center (NEIC) was investigating the site and the responsible party(ies).

MONTREAL COURT DRUM
OSC REPORT
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A. Site Investigation 2

III. PHASE II - REMOVAL ACTION 2
A. Removal, Transportation and Disposal of Waste Streams 2

IV. ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS . . 5

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Figure 2 - Site Location Map
Figure 3 - Site Sketch

ATTACHMENTS

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I. INTRODUCTION

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An initial site investigation was performed by TAT in January 1990, which revealed the presence of thirty-five 55-gallon drums on site. (TAT Document #04-F-03861). The majority of the drums were stored on pallets and all of the drums showed signs of weathering. Many of the drums were open top drums and six were empty. A few of the drums were stored on their sides and some of the drums had leaked as was evidenced by the discolored soil in the drum storage area. While on site, TAT created drum #36 by depositing a small amount of heavily contaminated soil in the drum. The soil appeared to have been contaminated by the leaking of drum #29, which was empty and laying on it's side. Sampling of the drums by TAT revealed the presence of a variety of materials in the drums, including heavy metals, volatiles, flammables, oxidizers and chlorinated organics. In conjunction with the on-going criminal investigation of the responsible party(ies), the EPA Emergency Response Branch initiated

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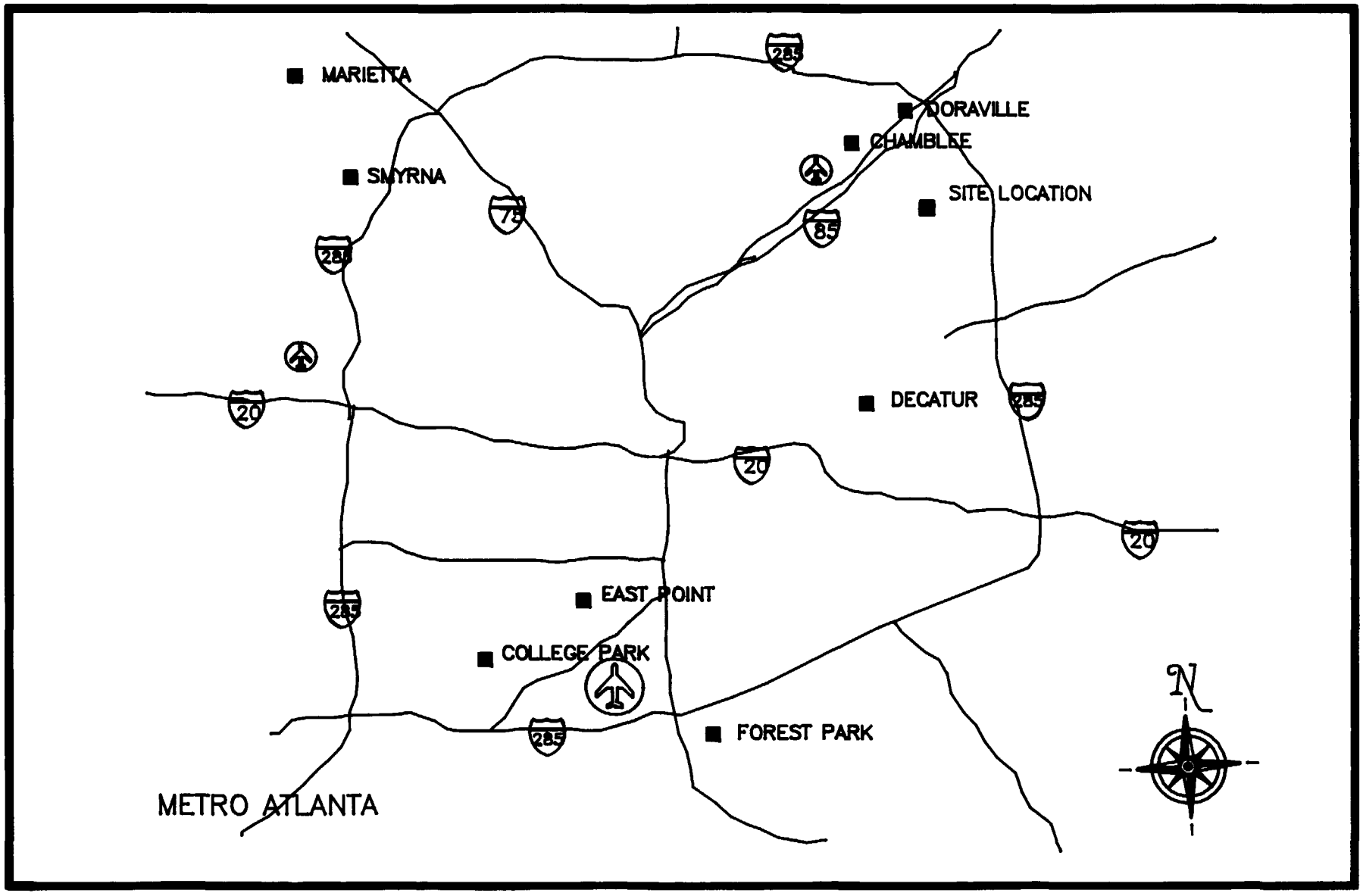
FIGURE 1

General Location Map



WESTON MAJOR PROGRAMS REGION IV TAT

TAT Activity Description: Site Location Map

Tucker, DeKalb County, Georgia

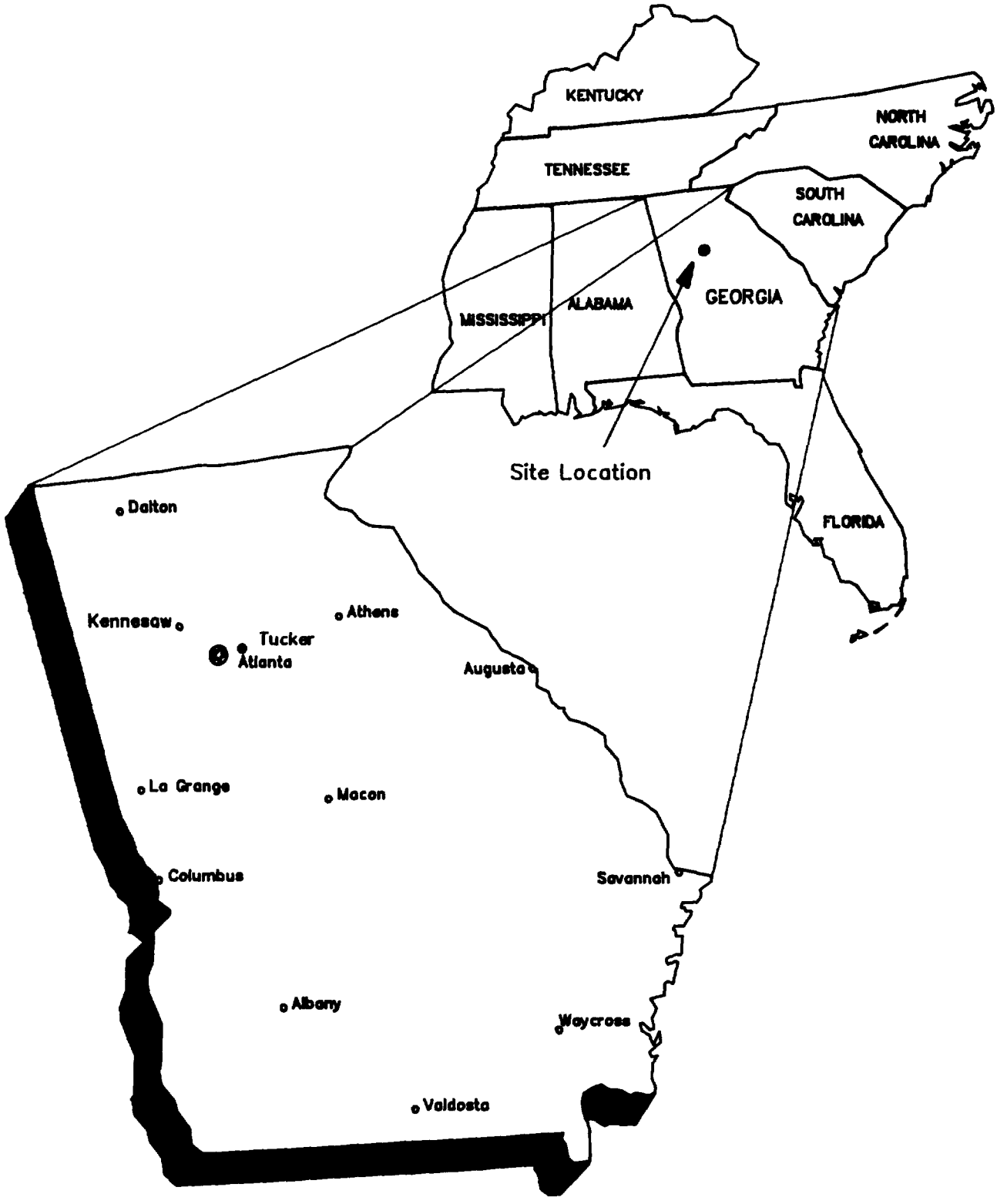
SITE: Montreal Court Drum Removal

TDD NO.: 04-9010-0002-1002

DATE: 4 October 1990

FIGURE 2

Site Location Map

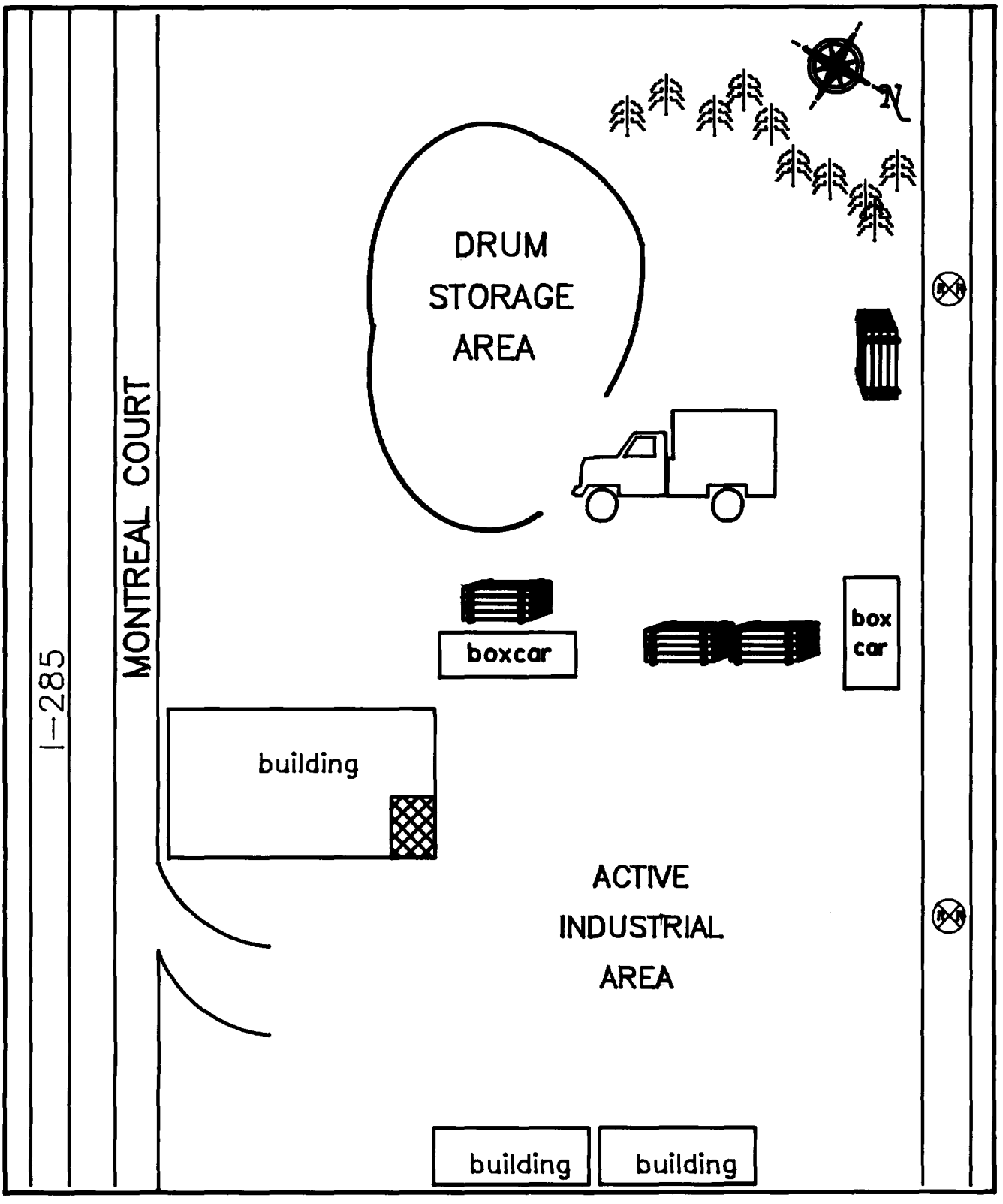


E.P.A. Region IV
General Site Location Map
TDD # 04-9010-0002-1002
MONTREAL COURT DRUM REMOVAL
TUCKER, DEKALB COUNTY, GEORGIA

EPA

FIGURE 3

Site Sketch



WESTON TAT ACTIVITY: SITE DIAGRAM

SITE: MONTREAL COURT DRUM

TUCKER, DEKALB COUNTY

TDD NUMBER: 04-9010-0002-1002

GEORGIA

DATE: 4 October 1990

ATTACHMENT A

Action Memorandum

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

ACTION MEMORANDUM

DATE: MAY 04 1990

SUBJECT: Removal Action Authorization for the Montreal Court Drum Site, Tucker, Georgia.

FROM: Steve Spurlin
On-Scene Coordinator

TO: Patrick M. Tobin, Director
Waste Management Division
EPA Region IV

PURPOSE

This memorandum is for authorization to proceed with the removal action at the Montreal Court Drum Site in Tucker, Georgia. A significant threat to the public health and the environment exists at this time, and may worsen if response is delayed. The total cost of the project is $100,315.

BACKGROUND

A. Site Setting/Description

The site is located at 1804 Montreal Court, Tucker, Georgia. The site is generally open field, with several small businesses, including a body shop, shipping company, and well-drilling operation located in close proximity.

In December 1989, representatives from the EPA Office of Criminal Investigation (OCI) requested the EPA Emergency Response & Removal Branch to respond to the site to investigate and identify any hazards associated with thirty-five (35) abandoned drums.

B. Quantity and Types of Substances Present

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Printed on Recycled Paper

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C. The site is not on the NPL.

THREAT

A. Threat of Exposure to Public or the Environment

The site is in an unsecured open area. Due to the sites' close proximity to other businesses the potential exists for human exposure via direct contact with the material. Also, four drums contain flammable liquids which pose a potential fire and explosion hazard.

The site has no release containment. Should a release occur, soil, groundwater, and surface water could be adversely effected.

B. Evidence of Extent of Release

Several drums were open and could be discharging hazardous material when rainwater displaces the drum contents. One drum had spilled its contents on the ground. Also, when conducting a follow-up site visit to inspect the condition of the drums, EPA observed that another drum appeared to have leaked a small amount of an oily substance. The drums remain unprotected from environmental exposure and continued deterioration of their integrity through exposure will result in an increased chance of a release.

C. Actions Taken to Abate Threat

There have been no previous actions to abate the threat.

D. Current Actions to Abate Threat

There are no current actions to abate the threat posed by this site, and none are anticipated should this action be disapproved.

ENFORCEMENT

See Attachment I

PROPOSED ACTIONS AND COSTS

A. Objectives of the Project

The objectives of this project are to repackage, remove, and dispose of all drums found to contain hazardous substances at the Montreal Court site. The drums will be disposed of at an approved hazardous waste facility.

B. Project Costs

Extramural Costs	
Cleanup Contractor Costs	$72,500
TAT Costs	$ 8,600
15% Contingency	$12,165
Total Extramural Costs	$93,265
Intramural Costs	
Direct Costs ($30 x 100hrs)	$3,000
Indirect Costs ($54 x 75hrs)	$4,050
Total Intramural Costs	$7,050
TOTAL SITE BUDGET	$100,315

Attachment I

ENFORCEMENT SUMMARY

On April 16, 1990, I contacted the EPA Office of Criminal Investigation (OCI) concerning the status of the criminal investigation of potential responsible parties (PRP) for the drums at the Montreal Court site. The OCI requested that the EPA Emergency Response and Removal Branch delay notifying PRP's until after OCI has completed its investigation because communication with PRP's would jeopardize the ongoing criminal ivestigation. PRP's will be pursued for cost recovery after the OCI investigation is concluded.

C. Project Schedule

The Delivery Order will be issued when the Action Memorandum is approved. Project duration is estimated to be five (5) days with on-site work beginning May 23, 1990 and completed May 27, 1990. Disposal will be completed by August 10, 1990.

D. Consistency with Remedial Plan

N/A-Site is not listed on the NPL.

RECOMMENDATIONS

Because conditions at the Montreal Court Drum site meet the National Contingency Plan Section 300.415(b) and CERCLA 104(c)(1)(C) criteria for a removal action, I recommend your approval of the proposed action. The estimated total project ceiling is $100,315 of which $72,500 are for extramural cleanup contractor costs.

You may indicate your approval or disapproval by signing below:

APPROVED:_____ DATE:_____

DISAPPROVED:_____ DATE:_____

Spurlin Rogers Lair C. Jackson Tobin

4/26/90 for for 5/1/90

ATTACHMENT B

Compatibility Table

MONTREAL COURT COMPATABILITY DATA

SAMPLE	AIR/WATER REACT.	WATER SOL.	HEX SOL	PER OXIDE	OXIDE	PH	CI ORG	SUL FIDE	CY	F.P.F.	PCB(PPM)
D01 (S/L)	-	+	-	-	-	7.5	-	+	-	>200	<10
D02 (L)	-	+	-	-	-	7.5	-	-	-	>200	<10
D03 (L/OIL)	-	-	+	-	-	6.0	-	-	-	>200	<10
D03A (L)	-	-	+	-	-	6.0	-	-	-	158	<10
D04 (L/OIL)	-	-	+	-	-	5.5	-	-	-	122	<10
D05 (S)	-	-	+	-	-	6.0	-	-	-	>200	<10
D06 (L)	-	-	+	-	-	6.0	-	-	-	120	<10
D06A (2L LAYERS)	-	+bottom	+top	-	-	7.0	-	-	-	122	<10
D07 (SLUDGE)	-	-	+	-	-	6.0	+	-	-	>200	<10
D08 (SLUDGE)	-	+	-	-	-	6.0	-	-	-	>200	<10
D09 (SLUDGE)	-	-	+	-	-	N.D.	+	-	-	140	<10
D10 (L)	-	+	+	-	-	5.0	-	-	-	131	<10
D12 (OILY/SLUDGE)	-	+	-	-	-	9.0	-	-	-	>200	<10
D13 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D14 (S)	-	+	-	-	-	9.0	-	-	-	>200	<10
D15 (OILY/SLUDGE)	-	+	-	-	-	7.0	-	-	-	>200	<10
D16 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D17 (L)	-	+	-	-	-	6.5	-	-	-	>200	<10
D18 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D19 (L)	-	+	-	-	-	7.0	-	-	-	>200	<10
D20 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D22 (L)	-	+	-	-	-	5.0	-	-	-	>200	<10
D24 (L/S)	-	+bottom	+top	-	+	8.0	-	-	-	>200	<10
D25 (L)	-	+	-	-	-	5.0	-	-	-	>200	<10
D31 (L/S)	-	+	-	-	-	5.0	-	-	-	>200	<10
D32 (L & OILY)	-	+bottom	+top	-	-	6.0	+	-	-	122	<10
D33 (L)	-	-	+	-	-	4.0	-	-	-	>200	<10
D35 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D36 (S)	-	+	-	-	-	4.0	-	-	-	>200	<10

L - LIQUID

S - SOLID

**D11, D34 & D38 were not included in this compatability analysis. They were analyzed at a later date.

ATTACHMENT C

Analytical Results

100 Atlanta Technology Center, Suite 120, 1575 Northside Drive, NW,
Atlanta, GA 30318 • (404) 352-4147 • FAX (404) 352-0659

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

MEMORANDUM

TO: File

FROM: Donnissa Duvic
TAT, Region IV

THRU: Conley B. Phifer
TATL, Region IV

SUBJECT: Montreal Court Analytical Data
TDD #04-9001-LO2-0868
TAT #04-F-03845

DATE: 1 March 1990

Accura Analytical Laboratory conducted the requested compatibility study on the twenty nine submitted samples and subsequent analyses of the seven groups of composited samples from the Montreal Courtsite.

The final data package was received one day late and a penalty of three percent was incurred against the total invoice.

Phase I of the analyses consisted of a compatibility study comprised of the following tests conducted on each of the submitted samples: 1)air/water reactivity, 2)water solubility 3)hexane solubility, 4)peroxide 5)oxidizer, 6)pH, 7)Chlorinated organics 8)sulfide, 9)cyanide, 10)flash point, and 11)PCBs.

The results for each of these tests have been compiled and are enclosed.

Compatible samples were composited into seven different groups:

Group 1 - Flammable Liquids; DO4, D10, D16A, DO6
Group 2 - Water Soluble Liquid; DO2, D13, D16, D17, D18, D19, D20, D22, D25, D35
Group 3 - Water Soluble Solids; D01, D08, D12, D14, D15, D31, D36
Group 4 - Hexane Soluble Solid; D05
Group 5 - Hexane Soluble Liquid; D03, D13A, D33
Group 6 - Chlorinated Organics; D07, D09, D32
Group 7 - Oxidizer; D24

The composited samples were then subjected to TAL/HSL analyses consisting of volatiles, semivolatiles, pesticides, PCBs and metals. Two of the groups also underwent an incineration profile consisting of the following parameters:

1) color
2) odor
3) # phases
4) physical state
5) % by vol. of phases
6) flash point
7) viscosity
8) density
9) BTU content
10) ash content
11) chlorine content
12) bromine content
13) iodine content
14) sulfur content
15) for the sludge/solid:
    % Free liquids by the
    Paint Filter Test SW-846.9095
    Total Solids - Std Method 209

The results for each of these tests have been compiled and are enclosed.

Several compounds have been flagged with an "E" to designate that the reported concentrations are only estimates due to the detected values greatly exceeding the calibration limit. The laboratory did not reanalyze the samples at a different calibration limit to confirm the concentrations, therefore, these values should be viewed with discretion.

The spike recoveries for 2-Bromo-1-Chloropropane, 1,4-Dichlorobutane and Phenol-D6 were found to be outside QC limits.

The spike recoveries for antimony, arsenic and beryllium were found to be slightly lower than the 80 - 120 % normal QC limit.

cc: Shane Hitchcock
Ralph McKeen

MONTREAL COURT ANALYTICAL DATA

	FLAMMABLE LIQUID	WATER SOL. LIQUID	WATER SOL. SOLIDS	HEX. SOL. SOLID	HEX. SOL. LIQUID	CHLORINATED ORGANICS	OXIDIZER
	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 7
1,1,1-Trichloroethane	156 E						
Trichloroethene	2169 E					1.7	
Benzene	54					0.9	
Tetrachloroethene	1147 E						
Toluene	17021 E		1.2		30	101.9 E	
Ethylbenzene	6526 E		0.7		31	0.9	
Total Xylenes	3944 E		0.7		40	1.7	
Phenol						560 E	1300 E
Naphthalene	22 J				45 J	5 J	
Benzyl Alcohol						15	
2-Methylnaphthalene	40 J				120		
Phenanthrene					23 J		
Di-n-Butylphthalate	14 J						
Anthracene					8 J		
Butylbenylphthalate	2700 E						
Fluoranthene					14 J		
Bis(2-Ethylhexyl)Phthalate	98 J	2 J					
Pyrene					31 J		
Cadmium	0.28	0.3	0.32	0.4	10.83	47.0	181.0
Copper	2.41	2.0	3.90	2.37	2.98		
Lead	4.01			2.35	23.5		
Nickel	0.08	0.026	0.62	0.79	0.11	0.14	0.08
Selenium	0.27	0.07	3.69	2.22	0.15	0.103	0.07
Silver	0.05						
Zinc	1.40	0.12	4.6	11.00	51.0	19.00	65.0
Thallium	0.05		1.22	0.34	0.17	0.19	0.07
Iron	9.40	59.0	94.0	140.00	8.4	40.00	9.4
Manganese	0.43	0.28	0.51	3.4	1.3	0.25	0.04
Barium	0.40	0.05	0.14	1.3	14.0	48.00	170.0
Antimony					0.23		

E estimated value, concentration exceeds calibration limit

J estimated value, concentration is less than the quantitation limit.

MONTREAL COURT ANALYTICAL DATA

	FLAMMABLE LIQUID	WATER SOL. LIQUID	WATER SOL. SOLIDS	HEX. SOL. SOLID	HEX. SOL. LIQUID	CHLORINATED ORGANICS	OXIDIZER
	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 7
1,1,1-Trichloroethane	156 E						
Trichloroethene	2169 E					1.7	
Benzene	54					0.9	
Tetrachloroethene	1147 E						
Toluene	17021 E		1.2		30	101.9 E	
Ethylbenzene	6526 E		0.7		31	0.9	
Total Xylenes	3944 E		0.7		40	1.7	
Phenol						560 E	1300 E
Naphthalene	22 J				45 J	5 J	
Benzyl Alcohol						15	
2-Methylnaphthalene	40 J				120		
Phenanthrene					23 J		
Di-n-Butylphthalate	14 J						
Anthracene					8 J		
Butylbenylphthalate	2700 E						
Fluoranthene					14 J		
Bis(2-Ethylhexyl)Phthalate	98 J	2 J					
Pyrene					31 J		
Cadmium	0.28	0.3	0.32	0.4	10.83	47.0	181.0
Copper	2.41	2.0	3.90	2.37	2.98		
Lead	4.01			2.35	23.5		
Nickel	0.08	0.026	0.62	0.79	0.11	0.14	0.08
Selenium	0.27	0.07	3.69	2.22	0.15	0.103	0.07
Silver	0.05						
Zinc	1.40	0.12	4.6	11.00	51.0	19.00	65.0
Thallium	0.05		1.22	0.34	0.17	0.19	0.07
Iron	9.40	59.0	94.0	140.00	8.4	40.00	9.4
Manganese	0.43	0.28	0.51	3.4	1.3	0.25	0.04
Barium	0.40	0.05	0.14	1.3	14.0	48.00	170.0
Antimony					0.23		

E estimated value, concentration exceeds calibration limit

J estimated value, concentration is less than the quantitation limit.

MONTREAL COURT ANALYTICAL DATA

	GROUP 1	GROUP 6
Color	Black	Yellow & White
Odor	Strong	Strong
Number of Phases	Two	One
Physical State of Phases	Liquid, Solid	Sludge
Percentage by Volume of Phases	80% Liquid, 20% Solid	100%
Flash Point, F	113	120
Viscosity (Kinematic, 40 C)	2.9 cSt.	-
Density (g/ml)	0.93	1.47
BTU Content (BTU /lb)	15,020	9,010
Ash Content (%)	0.19	1.10
Chlorine Content (ppm)	1800	16,000
Bromine Content (ppm)	<300	<300
Iodine Content (ppm)	-	-
Sulfur Content (ppm)	1300	1100
Total Solids (%)	1.4	27.5
Percent Free Liquids	92	0

February 13, 1990

Mr. Shaker Reddy
Accura Analytical
2690 Ponce de Leon Ave.
Decatur, GA 30030

Montreal Drums
TDD# 04-9001-L02-0868
TAT# 04-F-03756

Dear Mr. Reddy:

This letter will serve as written confirmation of the verbal agreement made via telephone on February 13, 1990 regarding the terms for analyses of twenty-nine samples for Roy F. Weston, Inc., Major Programs Division, on behalf of our client, the U.S. Environmental Protection Agency.

The samples will be analyzed for the following parameters utilizing the test methods specified below.

* Composite samples into the following groups:

Group 1 Flammable Liquids: DO4, D10, D16A, D06

Group 2 Water Soluble Liquid: D02, D13, D16, D17, D18, D19, D20, D22, D25, D35.

Group 3 Water Soluble Solids: D01, D08, D12, D14, D15, D31, D36

Group 4 Hexane Soluble Solids: D05

Group 5 Hexane Soluble Liquid: D03, D13A, D33

Group 6 Chlorinated Organics: D07, D09, D32

Group 7 Oxidizer: D24

* Composited samples will undergo a full TAL/HSL analyses consisting of VOA, BNA, Pesticide, PCB and metals, at a cost of $1150.00 each.

* Groups #1 and #6 will also undergo an incineration disposal profile at a cost of $220.00 each. The profile will include the following parameters:

1. Color
2. Odor
3. # Phases
4. Physical State
5. % by Volume of Phases
6. Flash Point
7. Viscosity
8. Density
9. BTU Content
10. ASH Content
11. Chlorine Content
12. Bromine Content
13. Iodine Content
14. Sulfur Content
15. For the Sludge/Solid:
    % Free Liquids by the Paint Filter Test SW-846 9095
    Total Solids - STD. Meth. 209

* QA/QC is to include a laboratory blank, matrix spike and matrix spike duplicate on the TAL/HSL fraction on the analyses and standards where applicable on the disposal profile, at a total cost of $1150.00.

The detection limits for these parameters will be those specified in the test methods utilized for analysis.

The turnaround time of 14 calendar days is sufficient for the receipt of written analytical results which will include the requested QA/QC package due no later than February 28, 1990. However, delays in the submission of the written analyses will result in a 3% reduction of the total charge for the analyses, for the first day beyond the turnaround time. An additional 2% reduction of the total charge for the analyses will occur if the results are delivered two days beyond the turnaround time. For delays occurring on the third day and beyond, an additional 1% reduction of the total charge per day will occur. In addition, please be aware that your firm is responsible for the ultimate disposal of all samples submitted to you.

The turnaround time begins with the date that a representative from your company signs the chain-of-custody record accompanying the samples. However, if the receipt of samples is after 10:00 a.m., the turnaround time will begin on the following day.

Please have an authorized representative of your company sign the signature line below, indicating that Accura Analytical agrees to the terms set forth in this letter. This must be signed by an individual empowered to bind the company. Please return this letter with the analytical results and retain a copy for your records.

If you require additional information on this sampling project, please contact me at (404)352-4147.

Signature_____

Position_____

Sincerely,

Roy F. Weston, Inc.

Donnissa L. Duvic
Technical Assistance Team
Analytical Manager, Region IV

WESTON SM
MANAGERS DESIGNERS/CONSULTANTS

SHEET ____ of ____

CLIENT/SUBJECT _____ W.O. NO. _____

TASK DESCRIPTION _____ TASK NO. _____

PREPARED BY _____ DEPT _____ DATE _____

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY _____

DEPT _____ DATE _____

Sample	Air Water React.	Water Sol.	Hex Sol.	Per oxide	Oxid	pH	Cl. Org.	Sul Fide	Cyn.	F.P. °F	PCB (ppm)
D-01 (sk)	-	+	-	-	-	7.5	-	+	-	>200	<10
D-02 (L)	-	+/-	-	-	-	7.5	-	-	-	>200	<10
D-03 (sh)	-	-	+	-	-	6.0	-	-	-	>200	<10
D-04 (sh)	-	-	+	-	-	5.5	-	-	-	122	<10
D-05 (s)	-	-	+	-	-	6.0	-	-	-	>200	<10
D06 (L)	-	-	+	-	-	6.0	-	-	-	122 >200	<10
D07 (sludge)	-	-	+	-	-	6.0	+	-	-	>200	<10
D08 (sludge)	-	+	-	-	-	6.0	-	-	-	>200	<10
D09 (sludge)	-	-	+	-	-	N.D.	+	-	-	140	<10
D11 (L)	-	+	+	-	-	5.0	-	-	-	131	<10
D12 (oily sludge)	-	+	-	-	-	9.0	-	-	-	>200	<10
D13 (L)	-	+	-	-	-	6.0	-	-	-	158	<10
D14 (s)	-	+	-	-	-	9.0	-	-	-	>200	<10
D15 (oily sludge)	-	+	-	-	-	7.0	-	-	-	>200	<10
D16 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D17 (L)	-	+	-	-	-	6.5	-	-	-	>200	<10
D18 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D19 (L)	-	+	-	-	-	7.0	-	-	-	>200	<10
D20 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D22 (L)	-	+/-	-	-	-	5.0	-	-	-	>200	<10
D24 (L/S)	-	+ bottom	+ top	-	+	8.0	-	-	-	>200	<10
D25 (L)	-	+	-	-	-	5.0	-	-	-	>200	<10
D31 (L/S)	-	+	-	-	-	5.0	-	-	-	>200	<10
D36 (S)	-	+	-	-	-	4.0	-	-	-	>200	<10
D35 (L)	-	+	-	-	-	6.0	-	-	-	>200	<10
D32 (L), oil	-	+ bottom	+ top	-	-	6.0	+	-	-	122	<10
D33 (L)	-	-	+	-	-	4.0	-	-	-	>200	<10

RFW 10-05-003/A-5/85

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

5001-L02-0868

ANALYSIS REPORT

COMPANY : WESTON SERVICES
100 Atlanta Technology Center
Suite 120
1575 Northside Drive, NW,
Atlanta, GA 30318

ATTENTION : Ms. Donnissa L. Duvic.

DATE RECEIVED : 1-11-90
REPORT DATE : 2-02-90
LAB PROJECT # 831
PROJECT: Montreal Drums

AAL #	STATION #	TEST-PCB's (ppm)
4197	D01	<10
4198	D02	<10
4199	D03	<10
4200	D04	<10
4201	D05	<10
4202	D06	<10
4203	D07	<10
4204	D08	<10
4205	D09	<10
4206	D11	<10
4207	D12	<10

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

PROJECT: WESTON SERVICES

AAL #	STATION #	TEST-PCB's (ppm)
4208	D13A	<10
4209	D13	<10
4210	D14	<10
4211	D16A	<10
4212	D15	<10
4213	D16	<10
4214	D17	<10
4215	D18	<10
4216	D19	<10
4217	D20	<10
4218	D22	<10
4219	D24	<10
4220	D25	<10
4221	D31	<10
4222	D36	<10
4223	D35	<10
4224	D32	<10
4225	D33	<10

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY M. Shaker Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

ANALYSIS REPORT

COMPANY : WESTON SERVICES
100 Atlanta Technology Center
Suite 120
1575 Northside Drive, NW,
Atlanta, GA 30318

ATTENTION : Ms. Donnissa L. Duvic.

DATE RECEIVED : 1-11-90
REPORT DATE : 2-02-90
LAB PROJECT # 831
PROJECT: Montreal Drums

AAL #	STATION #	TEST-PCB's (ppm)
4203 (DUPLICATE)	D07	<10
4206 (DUPLICATE)	D11	<10
4209 (DUPLICATE)	D13	<10

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY M. Shakar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4197

SAMPLE STATION# D-01

==========

PHYSICAL OBSERVATION

Color.....: White / Grey mix.

Odor.....: Slight

Physical State.....: Solid / Liquid mix

% Vol of each phase : 60% Solids
40% Liquid

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 7.5

Chlorinated Organics: Negative

Sulfide Spot Test...: Positive

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID #4198

SAMPLE STATION#D02

==========

PHYSICAL OBSERVATION

Color.....: Light Yellow

Odor.....: Negative

Physical State.....: Liquid

% Vol of each phase : 100% Liquid

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 7.5

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4199

SAMPLE STATION# D03

==========

PHYSICAL OBSERVATION

Color.....: Dark Brown

Odor.....: Slight

Physical State.....: Liquid (oil)

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4200

SAMPLE STATION# D04

==========

PHYSICAL OBSERVATION

Color.....: Dark Brown

Odor.....: Strong

Physical State.....: Liquid (oil)

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 5.5

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: 122°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4201

SAMPLE STATION# D05

==========

PHYSICAL OBSERVATION

Color.....: White

Odor.....: Slight

Physical State.....: Solid

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200 F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4202

SAMPLE STATION# D06

==========

PHYSICAL OBSERVATION

Color.....: Dark Brown

Odor.....: Slight

Physical State.....: Liquid

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4203

SAMPLE STATION# D07

==========

PHYSICAL OBSERVATION

Color.....: White

Odor.....: None

Physical State.....: Sludge

% Vol of each phase : 70% Solids
30% Liquids

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Positive

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4204

SAMPLE STATION# D08

==========

PHYSICAL OBSERVATION

Color.....: Yellowish Brown

Odor.....: Strong

Physical State.....: Sludge

% Vol of each phase : 90% Solids
10%
Liquids

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4205

SAMPLE STATION# D08

==========

PHYSICAL OBSERVATION

lor.....: White

Odor.....: Slight

Physical State.....: Sludge

% Vol of each phase : 40% Solids
60% Liquid

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: ---

Chlorinated Organics: Positive

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test...: 140°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue. Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4206

SAMPLE STATION# D11

==========

PHYSICAL OBSERVATION

Color.....: Clear

Odor.....: Strong

Physical State.....: liquid

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: negative

Oxidizer Spot Test..: negative

pH Test.....: 5.0

Chlorinated Organics: Negative

Sulfide Spot Test...: negative

Cyanide Spot Test...: Negative

Flash Point Test....: 131 F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4207

SAMPLE STATION# D12

==========

PHYSICAL OBSERVATION

Color.....:Green/Yellow

Odor.....: Slight

Physical State.....: Oily Sludge

% Vol of each phase : 50% solids
50% liquids

CHEMICAL PROPERTIES

Air/Water Reactivity: not reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 9.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4208

SAMPLE STATION# D13A

==========

PHYSICAL OBSERVATION

Color.....: Brown

Odor.....: Slight

Physical State.....: liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insolubility

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: 158°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4209

SAMPLE STATION# D13

==========

PHYSICAL OBSERVATION

Color.....: Yellow

Odor.....: Negative

Physical State.....: Liquid

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: solubile

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4210

SAMPLE STATION# D14

==========

PHYSICAL OBSERVATION

Color.....: Black/Yellow mix

Odor.....: Strong

Physical State.....: solid

% Vol of each phase : ---

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 9.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4211

SAMPLE STATION# D16A

==========

PHYSICAL OBSERVATION

Color.....: Dark Brown/Green

Odor.....: Slight

Physical State.....: Liquid Two layers

% Vol of each phase : 10% Oil on top

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble, Bottom layer.

Hexane Solubility...: Soluble, Top layer.

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 7.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: 122°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4212

SAMPLE STATION# D15

==========

PHYSICAL OBSERVATION

Color.....: White/Brown mix.

Odor.....: Strong.

Physical State.....: Oily sludge.

% Vol of each phase : 40% Solids, 60% Liquids.

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive.

Water Solubility....: Soluble.

Hexane Solubility...: Insoluble.

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 7.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4213

SAMPLE STATION# D16

==========

PHYSICAL OBSERVATION

Color.....: Light Yellow

Odor.....: Slight

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4214

SAMPLE STATION# D17

==========

PHYSICAL OBSERVATION

Color.....: Dark Brown

Odor.....: Slight

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.5

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4215

SAMPLE STATION# D18

==========

PHYSICAL OBSERVATION

Color.....: Yellow

Odor.....: Slight

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue. Decatur. GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4216

SAMPLE STATION# D19

==========

PHYSICAL OBSERVATION

Color.....: Dark Brown

Odor.....: Slight

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 7.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4217

SAMPLE STATION# D20

==========

PHYSICAL OBSERVATION

Color.....: Clear

Odor.....: Negative

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4218

SAMPLE STATION# D22

==========

PHYSICAL OBSERVATION

Color.....: Light Brown

Odor.....: Slight

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 5.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4219

SAMPLE STATION# D24

==========

PHYSICAL OBSERVATION

Color.....: Grey/Brown

Odor.....: Strong

Physical State.....: Liquid/Solid

% Vol of each phase : 50% Solids & 50% Liquids

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble (Bottom)

Hexane Solubility...: Soluble (Top)

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Positive

pH Test.....: 8.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4220

SAMPLE STATION# D25

==========

PHYSICAL OBSERVATION

Color.....: Clear

Odor.....: Negative

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 5.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4221

SAMPLE STATION# D31

==========

PHYSICAL OBSERVATION

Color.....: Green (top)/White (bottom)

Odor.....: Negative

Physical State.....: Liquid/Solid

% Vol of each phase : 80% Solids & 20% Liquids

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 5.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4222

SAMPLE STATION# D36

==========

PHYSICAL OBSERVATION

Color.....: Brown

Odor.....: Slight

Physical State.....: Solid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 4.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200 F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4223

SAMPLE STATION# D35

==========

PHYSICAL OBSERVATION

Color.....: Clear

Odor.....: Negative

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble

Hexane Solubility...: Insoluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4224

SAMPLE STATION# D32

==========

PHYSICAL OBSERVATION

Color.....: Brown

Odor.....: Strong

Physical State.....: Liquid

% Vol of each phase : 75% oil & 25% water

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Soluble (Bottom)

Hexane Solubility...: Soluble (Top)

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 6.0

Chlorinated Organics: Positive

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: 122°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur. GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

COMPATIBILITY RESULTS

LABORATORY ID # 4225

SAMPLE STATION# D33

==========

PHYSICAL OBSERVATION

Color.....: Light Yellow

Odor.....: Strong

Physical State.....: Liquid

% Vol of each phase :

CHEMICAL PROPERTIES

Air/Water Reactivity: Not Reactive

Water Solubility....: Insoluble

Hexane Solubility...: Soluble

Peroxide Spot Test..: Negative

Oxidizer Spot Test..: Negative

pH Test.....: 4.0

Chlorinated Organics: Negative

Sulfide Spot Test...: Negative

Cyanide Spot Test...: Negative

Flash Point Test....: >200°F

Other Information...:

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

Montreal Court
9001-L02-0868

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES

Project: 831

Sample I.D.: Group-1 (D04, D10, D16A, D06)

LAB I.D.:

Sample Description: Flamable Liquids

Date Report: 2-28-90

Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	5	U
Bromomethane	5	U
Vinyl Chloride	5	U
Chloroethane	5	U
Methylene chloride	5	U
Acetone	5	U
Carbon Disulfide	5	U
1,1-Dichloroethane	5	U
1,1-dichloroethane	5	U
(Total) 1,2-Dichloroethane	5	U
Chloroform	5	U
1,2-Dichloroethane	5	U
2-Butanone	5	U
1,1,1-Trichloroethane	156	O
Carbon Tetrachloride	5	U
Vinyl Acetate	5	U
Bromodichloromethane	5	U
1,2-Dichloropropane	5	U
Cis-1,3-Dichloropropene	5	U
Trichloroethene	2169	O
Dibromochloromethane	5	U
1,1,2-Trichloroethane	5	U
Benzene	54	
Trans-1,3-Dichloropropene	5	U
Bromoform	5	U
4-Methyl-2-Pentanone	5	U
2-Hexanone	5	U
Tetrachloroethene	1147	O
1,1,2,2-Tetrachloroethane	5	U
Toluene	17021	O
Chlorobenzene	5	U
Ethylbenzene	6526	O
Styrene	5	U
Total Xylenes	3944	O

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES — Project # 831

Sample I.D.:Group-1 (D04,D10,D16A,D06) — LAB I.D.:

Sample Description: Flamable Liquids

Date Report: 2-28-90 — Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	100	U
bis(-2-Chloroethyl)Ether	100	U
2-Chlorophenol	100	U
1,3-Dichlorobenzene	100	U
1,4-Dichlorobenzene	100	U
Benzyl Alcohol	100	U
1,2-Dichlorobenzene	100	U
2-Methylphenol	100	U
bis(2-chloroisopropyl)Ether	100	U
4-Methylphenol	100	U
N-Nitroso-di-n-Propylamine	100	U
Hexachloroethane	100	U
Nitrobenzene	100	U
Isophorone	100	U
2-Nitrophenol	100	U
2,4-Dimethylphenol	100	U
Benzoic Acid	500	U
bis(2-Chloroethoxy)Methane	100	U
2,4-Dichlorophenol	100	U
1,2,4-Trichlorobenzene	100	U
Naphthalene	22	J
4-Chloroanaline	100	U
Hexachlorobutadiene	100	U
4-Chloro-3-Methylphenol	100	U
2-Methylnaphthalene	40	J
Hexachlorocyclopentadiene	100	U
2,4,6-Trichlorophenol	500	U
2,4,5-Trichlorophenol	500	U
2-Chloronaphthalene	100	U
2-Nitroaniline	500	U
Dimethylphthalene	100	U
Acenaphthylene	100	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP - 1(D04,D10,D16A,D06) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	500	U
Acenaphthene	100	U
2,4-Dinitrophenol	500	U
4-Nitrophenol	500	U
Dibenzofuran	100	U
2,4-Dinitrotoluene	100	U
2,6-Dinitrotoluene	100	U
Diethylphthalate	100	U
4-Clorophenyl-phenylether	100	U
Fluorene	100	U
4-Nitroaniline	500	U
4,6-Dinitro-2-Methylphenol	500	U
N-Nitrosodiphenylamine*	100	U
4-Bromophenyl-phenylether	100	U
Hexachlorobenzene	100	U
Pentachlorophenol	500	U
Phenanthrene	100	U
Anthracene	100	U
Di-n-Butylphthalate	14	J
Fluoranthene	100	U
Pyrene	100	U
Butylbenylphthalate	2700	O
3,3'-Dichlorobenzidine	200	U
Benzo(a)Anthracene	100	U
Bis(2-Ethylhexyl)Phthalate	98	J
Chrysene	100	U
Di-n-Octyl Phthalate	100	U
Benzo(b)Fluoranthene	100	U
Benzo(k)Fluoranthene	100	U
Benzo(a)Pyrene	100	U
Indeno(1,2,3-cd)Pyrene	100	U
Dibenz(a,h)Anthracene	100	U
Benzo (g,h,i)Perylene	100	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive. N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 1 (D04, D10, D16A, D06)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 1 (D04, D10, D16A, D06)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.10
Arsenic	<0.02
Beryllium	<0.05
Cadmium	0.28
Chromium	<0.50
Copper	2.41
Lead	4.01
Mercury	<0.03
Nickel	0.08
Selenium	0.27
Silver	0.05
Zinc	1.40
Thallium	0.05
Iron	9.40
Manganese	0.43
Barium	0.40

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY M. Shakur Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES Project: 831

Sample I.D.: Group-2 (D02, D13, D16, D17,D18,D19, D20,D22,D25,D35) LAB I.D.:

Sample Description: Water Soluble Liquid

Date Report: 2-28-90 Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	0.5	U
Bromomethane	0.5	U
Vinyl Chloride	0.5	U
Chloroethane	0.5	U
Methylene chloride	0.5	U
Acetone	0.5	U
Carbon Disulfide	0.5	U
1,1-Dichloroethane	0.5	U
1,1-dichloroethane	0.5	U
(Total) 1,2-Dichloroethane	0.5	U
Chloroform	0.5	U
1,2-Dichloroethane	0.5	U
2-Butanone	0.5	U
1,1,1-Trichloroethane	0.5	U
Carbon Tetrachloride	0.5	U
Vinyl Acetate	0.5	U
Bromodichloromethane	0.5	U
1,2-Dichloropropane	0.5	U
Cis-1,3-Dichloropropene	0.5	U
Trichloroethene	0.5	U
Dibromochloromethane	0.5	U
1,1,2-Trichloroethane	0.5	U
Benzene	0.5	U
Trans-1,3-Dichloropropene	0.5	U
Bromoform	0.5	U
4-Methyl-2-Pentanone	0.5	U
2-Hexanone	0.5	U
Tetrachloroethene	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
Toluene	0.5	U
Chlorobenzene	0.5	U
Ethylbenzene	0.5	U
Styrene	0.5	U
Total Xylenes	0.5	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES Project # 831

Sample I.D.:Group-2 (D02,D13,D16,D17,D18,D19, D20,D22,D25,D35) LAB I.D.:

Sample Description: Water Soluble Liquid

Date Report: 2-28-90 Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	10	U
bis(-2-Chloroethyl)Ether	10	U
2-Chlorophenol	10	U
1,3-Dichlorobenzene	10	U
1,4-Dichlorobenzene	10	U
Benzyl Alcohol	10	U
1,2-Dichlorobenzene	10	U
2-Methylphenol	10	U
bis(2-chloroisopropyl)Ether	10	U
4-Methylphenol	10	U
N-Nitroso-di-n-Propylamine	10	U
Hexachloroethane	10	U
Nitrobenzene	10	U
Isophorone	10	U
2-Nitrophenol	10	U
2,4-Dimethylphenol	10	U
Benzoic Acid	50	U
bis(2-Chloroethoxy)Methane	10	U
2,4-Dichlorophenol	10	U
1,2,4-Trichlorobenzene	10	U
Naphthalene	10	U
4-Chloroanaline	10	U
Hexachlorobutadiene	10	U
4-Chloro-3-Methylphenol	10	U
2-Methylnaphthalene	10	U
Hexachlorocyclopentadiene	10	U
2,4,6-Trichlorophenol	50	U
2,4,5-Trichlorophenol	50	U
2-Chloronaphthalene	10	U
2-Nitroaniline	50	U
Dimethylphthalene	10	U
Acenaphthylene	10	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP-2 (D02,D13,D16,D17,D18,D19, D20,D22,D25,D35) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	50	U
Acenaphthene	10	U
2,4-Dinitrophenol	50	U
4-Nitrophenol	50	U
Dibenzofuran	10	U
2,4-Dinitrotoluene	10	U
2,6-Dinitrotoluene	10	U
Diethylphthalate	10	U
4-Clorophenyl-phenylether	10	U
Fluorene	10	U
4-Nitroaniline	50	U
4,6-Dinitro-2-Methylphenol	50	U
N-Nitrosodiphenylamine*	10	U
4-Bromophenyl-phenylether	10	U
Hexachlorobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Anthracene	10	U
Di-n-Butylphthalate	10	U
Fluoranthene	10	U
Pyrene	10	U
Butylbenylphthalate	10	U
3,3'-Dichlorobenzidine	20	U
Benzo(a)Anthracene	10	U
Bis(2-Ethylhexyl)Phthalate	2	J
Chrysene	10	U
Di-n-Octyl Phthalate	10	U
Benzo(b)Fluoranthene	10	U
Benzo(k)Fluoranthene	10	U
Benzo(a)Pyrene	10	U
Indeno(1,2,3-cd)Pyrene	10	U
Dibenz(a,h)Anthracene	10	U
Benzo (g,h,i)Perylene	10	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 2 (D02, D13, D16, D17, D18, D19, D20
D22, D25, D35)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 2 (D02, D13, D16, D17, D18, D19, D20 D22, D25, D35)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.10
Arsenic	<0.02
Beryllium	<0.05
Cadmium	0.30
Chromium	<0.50
Copper	2.00
Lead	<0.50
Mercury	<0.03
Nickel	0.026
Selenium	0.07
Silver	<0.05
Zinc	0.12
Thallium	<0.05
Iron	59.00
Manganese	0.28
Barium	0.05

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY M. Shaker Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES Project: 831

Sample I.D.: Group-3 (D01, D08, D12, D14,D15, D31, D36) LAB I.D.:

Sample Description: Water Soluble Solids

Date Report: 2-28-90 Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	0.5	U
Bromomethane	0.5	U
Vinyl Chloride	0.5	U
Chloroethane	0.5	U
Methylene chloride	0.5	U
Acetone	0.5	U
Carbon Disulfide	0.5	U
1,1-Dichloroethane	0.5	U
1,1-dichloroethane	0.5	U
(Total) 1,2-Dichloroethane	0.5	U
Chloroform	0.5	U
1,2-Dichloroethane	0.5	U
2-Butanone	0.5	U
1,1,1-Trichloroethane	0.5	U
Carbon Tetrachloride	0.5	U
Vinyl Acetate	0.5	U
Bromodichloromethane	0.5	U
1,2-Dichloropropane	0.5	U
Cis-1,3-Dichloropropene	0.5	U
Trichloroethene	0.5	U
Dibromochloromethane	0.5	U
1,1,2-Trichloroethane	0.5	U
Benzene	0.5	U
Trans-1,3-Dichloropropene	0.5	U
Bromoform	0.5	U
4-Methyl-2-Pentanone	0.5	U
2-Hexanone	0.5	U
Tetrachloroethene	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
Toluene	1.2	
Chlorobenzene	0.5	U
Ethylbenzene	0.7	
Styrene	0.5	U
Total Xylenes	0.7	

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES Project # 831

Sample I.D.:Group-3 (D01,D08,D12,D14,D15,D31,D36) LAB I.D.:

Sample Description: Water Soluble Solids

Date Report: 2-28-90 Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	10	U
bis(-2-Chloroethyl)Ether	10	U
2-Chlorophenol	10	U
1,3-Dichlorobenzene	10	U
1,4-Dichlorobenzene	10	U
Benzyl Alcohol	10	U
1,2-Dichlorobenzene	10	U
2-Methylphenol	10	U
bis(2-chloroisopropyl)Ether	10	U
4-Methylphenol	10	U
N-Nitroso-di-n-Propylamine	10	U
Hexachloroethane	10	U
Nitrobenzene	10	U
Isophorone	10	U
2-Nitrophenol	10	U
2,4-Dimethylphenol	10	U
Benzoic Acid	50	U
bis(2-Chloroethoxy)Methane	10	U
2,4-Dichlorophenol	10	U
1,2,4-Trichlorobenzene	10	U
Naphthalene	10	U
4-Chloroanaline	10	U
Hexachlorobutadiene	10	U
4-Chloro-3-Methylphenol	10	U
2-Methylnaphthalene	10	U
Hexachlorocyclopentadiene	10	U
2,4,6-Trichlorophenol	50	U
2,4,5-Trichlorophenol	50	U
2-Chloronaphthalene	10	U
2-Nitroaniline	50	U
Dimethylphthalene	10	U
Acenaphthylene	10	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP-3 (D01,D08,D12,D14,D15,D31,D36) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	50	U
Acenaphthene	10	U
2,4-Dinitrophenol	50	U
4-Nitrophenol	50	U
Dibenzofuran	10	U
2,4-Dinitrotoluene	10	U
2,6-Dinitrotoluene	10	U
Diethylphthalate	10	U
4-Clorophenyl-phenylether	10	U
Fluorene	10	U
4-Nitroaniline	50	U
4,6-Dinitro-2-Methylphenol	50	U
N-Nitrosodiphenylamine*	10	U
4-Bromophenyl-phenylether	10	U
Hexachlorobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Anthracene	10	U
Di-n-Butylphthalate	10	U
Fluoranthene	10	U
Pyrene	10	U
Butylbenylphthalate	10	U
3,3'-Dichlorobenzidine	20	U
Benzo(a)Anthracene	10	U
Bis(2-Ethylhexyl)Phthalate	10	U
Chrysene	10	U
Di-n-Octyl Phthalate	10	U
Benzo(b)Fluoranthene	10	U
Benzo(k)Fluoranthene	10	U
Benzo(a)Pyrene	10	U
Indeno(1,2,3-cd)Pyrene	10	U
Dibenz(a,h)Anthracene	10	U
Benzo (g,h,i)Perylene	10	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 3 (D01, D08, D12, D14, D15, D31, D36)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue. Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 3 (D01, D08, D12, D14, D15, D31, D36)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.10
Arsenic	<0.02
Beryllium	<0.05
Cadmium	0.32
Chromium	<0.50
Copper	3.90
Lead	<0.50
Mercury	<0.03
Nickel	0.62
Selenium	3.69
Silver	<0.05
Zinc	4.60
Thallium	1.22
Iron	94.00
Manganese	0.51
Barium	0.14

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY M. Shekar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES Project: 831

Sample I.D.: Group-4 (D05) LAB I.D.:

Sample Description: Hexane Soluble solids

Date Report: 2-28-90 Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	0.5	U
Bromomethane	0.5	U
Vinyl Chloride	0.5	U
Chloroethane	0.5	U
Methylene chloride	0.5	U
Acetone	0.5	U
Carbon Disulfide	0.5	U
1,1-Dichloroethane	0.5	U
1,1-dichloroethane	0.5	U
(Total) 1,2-Dichloroethane	0.5	U
Chloroform	0.5	U
1,2-Dichloroethane	0.5	U
2-Butanone	0.5	U
1,1,1-Trichloroethane	0.5	U
Carbon Tetrachloride	0.5	U
Vinyl Acetate	0.5	U
Bromodichloromethane	0.5	U
1,2-Dichloropropane	0.5	U
Cis-1,3-Dichloropropene	0.5	U
Trichloroethene	0.5	U
Dibromochloromethane	0.5	U
1,1,2-Trichloroethane	0.5	U
Benzene	0.5	U
Trans-1,3-Dichloropropene	0.5	U
Bromoform	0.5	U
4-Methyl-2-Pentanone	0.5	U
2-Hexanone	0.5	U
Tetrachloroethene	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
Toluene	0.5	U
Chlorobenzene	0.5	U
Ethylbenzene	0.5	U
Styrene	0.5	U
Total Xylenes	0.5	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES Project # 331

Sample I.D.:Group-4 (D05) LAB I.D.:

Sample Description: Hexane Soluble Solids

Date Report: 2-28-90 Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	10	U
bis(-2-Chloroethyl)Ether	10	U
2-Chlorophenol	10	U
1,3-Dichlorobenzene	10	U
1,4-Dichlorobenzene	10	U
Benzyl Alcohol	10	U
1,2-Dichlorobenzene	10	U
2-Methylphenol	10	U
bis(2-chloroisopropyl)Ether	10	U
4-Methylphenol	10	U
N-Nitroso-di-n-Propylamine	10	U
Hexachloroethane	10	U
Nitrobenzene	10	U
Isophorone	10	U
2-Nitrophenol	10	U
2,4-Dimethylphenol	10	U
Benzoic Acid	50	U
bis(2-Chloroethoxy)Methane	10	U
2,4-Dichlorophenol	10	U
1,2,4-Trichlorobenzene	10	U
Naphthalene	10	U
4-Chloroanaline	10	U
Hexachlorobutadiene	10	U
4-Chloro-3-Methylphenol	10	U
2-Methylnaphthalene	10	U
Hexachlorocyclopentadiene	10	U
2,4,6-Trichlorophenol	50	U
2,4,5-Trichlorophenol	50	U
2-Chloronaphthalene	10	U
2-Nitroaniline	50	U
Dimethylphthalene	10	U
Acenaphthylene	10	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP-4(D05) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	50	U
Acenaphthene	10	U
2,4-Dinitrophenol	50	U
4-Nitrophenol	50	U
Dibenzofuran	10	U
2,4-Dinitrotoluene	10	U
2,6-Dinitrotoluene	10	U
Diethylphthalate	10	U
4-Clorophenyl-phenylether	10	U
Fluorene	10	U
4-Nitroaniline	50	U
4,6-Dinitro-2-Methylphenol	50	U
N-Nitrosodiphenylamine*	10	U
4-Bromophenyl-phenylether	10	U
Hexachlorobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Anthracene	10	U
Di-n-Butylphthalate	10	U
Fluoranthene	10	U
Pyrene	10	U
Butylbenylphthalate	10	U
3,3'-Dichlorobenzidine	20	U
Benzo(a)Anthracene	10	U
Bis(2-Ethylhexyl)Phthalate	10	U
Chrysene	10	U
Di-n-Octyl Phthalate	10	U
Benzo(b)Fluoranthene	10	U
Benzo(k)Fluoranthene	10	U
Benzo(a)Pyrene	10	U
Indeno(1,2,3-cd)Pyrene	10	U
Dibenz(a,h)Anthracene	10	U
Benzo (g,h,i)Perylene	10	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 4 (D05)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 4 (D05)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.10
Arsenic	<0.02
Beryllium	<0.05
Cadmium	0.40
Chromium	<0.50
Copper	2.37
Lead	2.35
Mercury	<0.03
Nickel	0.79
Selenium	2.22
Silver	<0.05
Zinc	11.00
Thallium	0.34
Iron	140.00
Manganese	3.40
Barium	1.3

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY Yashakar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue. Decatur. GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES | Project: 831

Sample I.D.: Group-5 (D03, D13A, D33) | LAB I.D.:

Sample Description: Hexane Soluble Liquids

Date Report: 2-28-90 | Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	5	U
Bromomethane	5	U
Vinyl Chloride	5	U
Chloroethane	5	U
Methylene chloride	5	U
Acetone	5	U
Carbon Disulfide	5	U
1,1-Dichloroethane	5	U
1,1-dichloroethane	5	U
(Total) 1,2-Dichloroethane	5	U
Chloroform	5	U
1,2-Dichloroethane	5	U
2-Butanone	5	U
1,1,1-Trichloroethane	5	U
Carbon Tetrachloride	5	U
Vinyl Acetate	5	U
Bromodichloromethane	5	U
1,2-Dichloropropane	5	U
Cis-1,3-Dichloropropene	5	U
Trichloroethene	5	U
Dibromochloromethane	5	U
1,1,2-Trichloroethane	5	U
Benzene	5	U
Trans-1,3-Dichloropropene	5	U
Bromoform	5	U
4-Methyl-2-Pentanone	5	U
2-Hexanone	5	U
Tetrachloroethene	5	U
1,1,2,2-Tetrachloroethane	5	U
Toluene	30	
Chlorobenzene	5	U
Ethylbenzene	31	
Styrene	5	U
Total Xylenes	40	

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur. GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES Project # 831

Sample I.D.:Group-5 (D03,D13A,D33) LAB I.D.:

Sample Description: Hexane SOluble Liquids

Date Report: 2-28-90 Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	160	
bis(-2-Chloroethyl)Ether	100	U
2-Chlorophenol	100	U
1,3-Dichlorobenzene	100	U
1,4-Dichlorobenzene	100	U
Benzyl Alcohol	100	U
1,2-Dichlorobenzene	100	U
2-Methylphenol	100	U
bis(2-chloroisopropyl)Ether	100	U
4-Methylphenol	100	U
N-Nitroso-di-n-Propylamine	100	U
Hexachloroethane	100	U
Nitrobenzene	100	U
Isophorone	100	U
2-Nitrophenol	100	U
2,4-Dimethylphenol	100	U
Benzoic Acid	500	U
bis(2-Chloroethoxy)Methane	100	U
2,4-Dichlorophenol	100	U
1,2,4-Trichlorobenzene	100	U
Naphthalene	45	J
4-Chloroanaline	100	U
Hexachlorobutadiene	100	U
4-Chloro-3-Methylphenol	100	U
2-Methylnaphthalene	120	
Hexachlorocyclopentadiene	100	U
2,4,6-Trichlorophenol	500	U
2,4,5-Trichlorophenol	500	U
2-Chloronaphthalene	100	U
2-Nitroaniline	500	U
Dimethylphthalene	100	U
Acenaphthylene	100	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP-5 (D03,D13A,D33) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	500	U
Acenaphthene	100	U
2,4-Dinitrophenol	500	U
4-Nitrophenol	500	U
Dibenzofuran	100	U
2,4-Dinitrotoluene	100	U
2,6-Dinitrotoluene	100	U
Diethylphthalate	100	U
4-Clorophenyl-phenylether	100	U
Fluorene	100	U
4-Nitroaniline	500	U
4,6-Dinitro-2-Methylphenol	500	U
N-Nitrosodiphenylamine*	100	U
4-Bromophenyl-phenylether	100	U
Hexachlorobenzene	100	U
Pentachlorophenol	500	U
Phenanthrene	23	J
Anthracene	8	J
Di-n-Butylphthalate	100	U
Fluoranthene	14	J
Pyrene	31	J
Butylbenylphthalate	100	U
3,3'-Dichlorobenzidine	200	U
Benzo(a)Anthracene	100	U
Bis(2-Ethylhexyl)Phthalate	100	U
Chrysene	100	U
Di-n-Octyl Phthalate	100	U
Benzo(b)Fluoranthene	100	U
Benzo(k)Fluoranthene	100	U
Benzo(a)Pyrene	100	U
Indeno(1,2,3-cd)Pyrene	100	U
Dibenz(a,h)Anthracene	100	U
Benzo (g,h,i)Perylene	100	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 5 (D03. D13A. D33)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 5 (D03, D13A, D33)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	0.23
Arsenic	<0.02
Beryllium	<0.05
Cadmium	10.83
Chromium	<0.50
Copper	2.98
Lead	23.50
Mercury	<0.03
Nickel	0.11
Selenium	0.15
Silver	<0.05
Zinc	51.00
Thallium	0.17
Iron	8.40
Manganese	1.30
Barium	14.00

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY M. Shaker Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES | Project: 831

Sample I.D.: Group-6 (D07, D09, D32) | LAB I.D.:

Sample Description: Chlorinated Organics

Date Report: 2-28-90 | Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	0.5	U
Bromomethane	0.5	U
Vinyl Chloride	0.5	U
Chloroethane	0.5	U
Methylene chloride	0.5	U
Acetone	0.5	U
Carbon Disulfide	0.5	U
1,1-Dichloroethane	0.5	U
1,1-dichloroethane	0.5	U
(Total) 1,2-Dichloroethane	0.5	U
Chloroform	0.5	U
1,2-Dichloroethane	0.5	U
2-Butanone	0.5	U
1,1,1-Trichloroethane	0.5	U
Carbon Tetrachloride	0.5	U
Vinyl Acetate	0.5	U
Bromodichloromethane	0.5	U
1,2-Dichloropropane	0.5	U
Cis-1,3-Dichloropropene	0.5	U
Trichloroethene	1.7	
Dibromochloromethane	0.5	U
1,1,2-Trichloroethane	0.5	U
Benzene	0.9	
Trans-1,3-Dichloropropene	0.5	U
Bromoform	0.5	U
4-Methyl-2-Pentanone	0.5	U
2-Hexanone	0.5	U
Tetrachloroethene	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
Toluene	101.9	O
Chlorobenzene	0.5	U
Ethylbenzene	0.9	
Styrene	0.5	U
Total Xylenes	1.7	

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES Project # 831

Sample I.D.:Group-6 (D07,D09,D32) LAB I.D.:

Sample Description: Chlorinated Organics

Date Report: 2-28-90 Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	560	O
bis(-2-Chloroethyl)Ether	10	U
2-Chlorophenol	10	U
1,3-Dichlorobenzene	10	U
1,4-Dichlorobenzene	10	U
Benzyl Alcohol	19	
1,2-Dichlorobenzene	10	U
2-Methylphenol	10	U
bis(2-chloroisopropyl)Ether	10	U
4-Methylphenol	10	U
N-Nitroso-di-n-Propylamine	10	U
Hexachloroethane	10	U
Nitrobenzene	10	U
Isophorone	10	U
2-Nitrophenol	10	U
2,4-Dimethylphenol	10	U
Benzoic Acid	50	U
bis(2-Chloroethoxy)Methane	10	U
2,4-Dichlorophenol	10	U
1,2,4-Trichlorobenzene	10	U
Naphthalene	5	J
4-Chloroanaline	10	U
Hexachlorobutadiene	10	U
4-Chloro-3-Methylphenol	10	U
2-Methylnaphthalene	10	U
Hexachlorocyclopentadiene	10	U
2,4,6-Trichlorophenol	50	U
2,4,5-Trichlorophenol	50	U
2-Chloronaphthalene	10	U
2-Nitroaniline	50	U
Dimethylphthalene	10	U
Acenaphthylene	10	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP-6 (D07,D09,D32) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	50	U
Acenaphthene	10	U
2,4-Dinitrophenol	50	U
4-Nitrophenol	50	U
Dibenzofuran	10	U
2,4-Dinitrotoluene	10	U
2,6-Dinitrotoluene	10	U
Diethylphthalate	10	U
4-Clorophenyl-phenylether	10	U
Fluorene	10	U
4-Nitroaniline	50	U
4,6-Dinitro-2-Methylphenol	50	U
N-Nitrosodiphenylamine*	10	U
4-Bromophenyl-phenylether	10	U
Hexachlorobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Anthracene	10	U
Di-n-Butylphthalate	10	U
Fluoranthene	10	U
Pyrene	10	U
Butylbenylphthalate	10	U
3,3'-Dichlorobenzidine	20	U
Benzo(a)Anthracene	10	U
Bis(2-Ethylhexyl)Phthalate	10	U
Chrysene	10	U
Di-n-Octyl Phthalate	10	U
Benzo(b)Fluoranthene	10	U
Benzo(k)Fluoranthene	10	U
Benzo(a)Pyrene	10	U
Indeno(1,2,3-cd)Pyrene	10	U
Dibenz(a,h)Anthracene	10	U
Benzo (g,h,i)Perylene	10	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 6 (D07, D09, D32)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehvde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 6 (D07, D09, D32)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.10
Arsenic	<0.02
Beryllium	<0.05
Cadmium	47.00
Chromium	<0.50
Copper	<0.50
Lead	<0.50
Mercury	<0.03
Nickel	0.14
Selenium	0.103
Silver	<0.05
Zinc	19.00
Thallium	0.19
Iron	40.00
Manganese	0.25
Barium	48.00

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY Jh. Shalar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES Project: 831

Sample I.D.: Group-7 (D24) LAB I.D.:

Sample Description: Oxidizer

Date Report: 2-28-90 Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	0.5	U
Bromomethane	0.5	U
Vinyl Chloride	0.5	U
Chloroethane	0.5	U
Methylene chloride	0.5	U
Acetone	0.5	U
Carbon Disulfide	0.5	U
1,1-Dichloroethane	0.5	U
1,1-dichloroethane	0.5	U
(Total) 1,2-Dichloroethane	0.5	U
Chloroform	0.5	U
1,2-Dichloroethane	0.5	U
2-Butanone	0.5	U
1,1,1-Trichloroethane	0.5	U
Carbon Tetrachloride	0.5	U
Vinyl Acetate	0.5	U
Bromodichloromethane	0.5	U
1,2-Dichloropropane	0.5	U
Cis-1,3-Dichloropropene	0.5	U
Trichloroethene	0.5	U
Dibromochloromethane	0.5	U
1,1,2-Trichloroethane	0.5	U
Benzene	0.5	U
Trans-1,3-Dichloropropene	0.5	U
Bromoform	0.5	U
4-Methyl-2-Pentanone	0.5	U
2-Hexanone	0.5	U
Tetrachloroethene	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
Toluene	0.5	U
Chlorobenzene	0.5	U
Ethylbenzene	0.5	U
Styrene	0.5	U
Total Xylenes	0.5	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES — Project # 831

Sample I.D.:Group-7 (D24) — LAB I.D.:

Sample Description: Oxidizer

Date Report: 2-28-90 — Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	1300	O
bis(-2-Chloroethyl)Ether	10	U
2-Chlorophenol	10	U
1,3-Dichlorobenzene	10	U
1,4-Dichlorobenzene	10	U
Benzyl Alcohol	10	U
1,2-Dichlorobenzene	10	U
2-Methylphenol	10	U
bis(2-chloroisopropyl)Ether	10	U
4-Methylphenol	10	U
N-Nitroso-di-n-Propylamine	10	U
Hexachloroethane	10	U
Nitrobenzene	10	U
Isophorone	10	U
2-Nitrophenol	10	U
2,4-Dimethylphenol	10	U
Benzoic Acid	50	U
bis(2-Chloroethoxy)Methane	10	U
2,4-Dichlorophenol	10	U
1,2,4-Trichlorobenzene	10	U
Naphthalene	10	U
4-Chloroanaline	10	U
Hexachlorobutadiene	10	U
4-Chloro-3-Methylphenol	10	U
2-Methylnaphthalene	10	U
Hexachlorocyclopentadiene	10	U
2,4,6-Trichlorophenol	50	U
2,4,5-Trichlorophenol	50	U
2-Chloronaphthalene	10	U
2-Nitroaniline	50	U
Dimethylphthalene	10	U
Acenaphthylene	10	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES

Sample I.D.: GROUP-7 (D24) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	50	U
Acenaphthene	10	U
2,4-Dinitrophenol	50	U
4-Nitrophenol	50	U
Dibenzofuran	10	U
2,4-Dinitrotoluene	10	U
2,6-Dinitrotoluene	10	U
Diethylphthalate	10	U
4-Clorophenyl-phenylether	10	U
Fluorene	10	U
4-Nitroaniline	50	U
4,6-Dinitro-2-Methylphenol	50	U
N-Nitrosodiphenylamine*	10	U
4-Bromophenyl-phenylether	10	U
Hexachlorobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Anthracene	10	U
Di-n-Butylphthalate	10	U
Fluoranthene	10	U
Pyrene	10	U
Butylbenylphthalate	10	U
3,3'-Dichlorobenzidine	20	U
Benzo(a)Anthracene	10	U
Bis(2-Ethylhexyl)Phthalate	10	U
Chrysene	10	U
Di-n-Octyl Phthalate	10	U
Benzo(b)Fluoranthene	10	U
Benzo(k)Fluoranthene	10	U
Benzo(a)Pyrene	10	U
Indeno(1,2,3-cd)Pyrene	10	U
Dibenz(a,h)Anthracene	10	U
Benzo (g,h,i)Perylene	10	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta. GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 7 (D24)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

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CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 7 (D24)
LAB#:

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.10
Arsenic	<0.02
Beryllium	<0.05
Cadmium	181.00
Chromium	<0.50
Copper	<0.50
Lead	<0.50
Mercury	<0.03
Nickel	0.08
Selenium	0.07
Silver	<0.05
Zinc	65.00
Thallium	0.07
Iron	9.40
Manganese	0.04
Barium	170.00

Respectfully submitted.
ACCURA ANALYTICAL LABS.

BY M. Shankar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE I.D.: Group-1 (D04, D10, D16A, D06)
LAB I.D.:

Color	Black
Odor	Strong
Number of Phases	Two
Physical State of Phases	Liquid, Solid
Percentage by volume of Phases	80% Liquid, 20% Solid
Flash Point	113 F
Viscosity (Kinematic,40 C)	2.9 cSt.
Density (g/ml)	0.93
BTU Content (BTU/lb)	15,020
Ash Content (%)	0.19%
Chlorine Content (ppm)	1800
Bromine Content (ppm)	<300
Iodine Content (ppm)	--
Sulfur Content (ppm)	1300
Total Solids	1.4%
% Free Liquids by the Paint Filter Test	92

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY M. Shakar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831c
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE I.D.: Group-6 (D07, D09, D32)
LAB I.D.:

Color	Yellow & White
Odor	Strong
Number of Phases	One
Physical State of Phases	Sludge
Percentage by volume of Phases	100%
Flash Point	120 F
Viscosity (cpu)	--
Density (g/ml)	1.47
BTU Content (BTU/lb)	9,010
Ash Content (%)	1.10%
Chlorine Content (ppm)	16,000
Bromine Content (ppm)	<300
Iodine Content (ppm)	--
Sulfur Content (ppm)	1100
Total Solids	27.5%
% Free Liquids by the Paint Filter Test	None

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY M. Shakar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES Project: 831

Sample I.D.: Group-2Duplicate (D02, D13, D16,D17, D18,D19,D20,D22,D25,D35) LAB I.D.:

Sample Description: Water Soluble Liquids

Date Report: 2-28-90 Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppm)	Q
Chloromethane	0.5	U
Bromomethane	0.5	U
Vinyl Chloride	0.5	U
Chloroethane	0.5	U
Methylene chloride	0.5	U
Acetone	0.5	U
Carbon Disulfide	0.5	U
1,1-Dichloroethane	0.5	U
1,1-dichloroethane	0.5	U
(Total) 1,2-Dichloroethane	0.5	U
Chloroform	0.5	U
1,2-Dichloroethane	0.5	U
2-Butanone	0.5	U
1,1,1-Trichloroethane	0.5	U
Carbon Tetrachloride	0.5	U
Vinyl Acetate	0.5	U
Bromodichloromethane	0.5	U
1,2-Dichloropropane	0.5	U
Cis-1,3-Dichloropropene	0.5	U
Trichloroethene	0.5	U
Dibromochloromethane	0.5	U
1,1,2-Trichloroethane	0.5	U
Benzene	0.5	U
Trans-1,3-Dichloropropene	0.5	U
Bromoform	0.5	U
4-Methyl-2-Pentanone	0.5	U
2-Hexanone	0.5	U
Tetrachloroethene	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U
Toluene	0.5	U
Chlorobenzene	0.5	U
Ethylbenzene	0.5	U
Styrene	0.5	U
Total Xylenes	0.5	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur. GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

SEMIVOLATILE ORGANIC ANALYSIS DATA

Client:WESTON SERVICES Project # 831

Sample I.D.:Group-2Duplicate (D02,D13,D16,D17, D18,D19,D20,D22,D25,D35) LAB I.D.:

Sample Description: Water Soluble Liquids

Date Report: 2-28-90 Date Sample Rec'd: 1-11-90

COMPOUND	UNITS: (ppm)	Q
Phenol	10	U
bis(-2-Chloroethyl)Ether	10	U
2-Chlorophenol	10	U
1,3-Dichlorobenzene	10	U
1,4-Dichlorobenzene	10	U
Benzyl Alcohol	10	U
1,2-Dichlorobenzene	10	U
2-Methylphenol	10	U
bis(2-chloroisopropyl)Ether	10	U
4-Methylphenol	10	U
N-Nitroso-di-n-Propylamine	10	U
Hexachloroethane	10	U
Nitrobenzene	10	U
Isophorone	10	U
2-Nitrophenol	10	U
2,4-Dimethylphenol	10	U
Benzoic Acid	50	U
bis(2-Chloroethoxy)Methane	10	U
2,4-Dichlorophenol	10	U
1,2,4-Trichlorobenzene	10	U
Naphthalene	10	U
4-Chloroanaline	10	U
Hexachlorobutadiene	10	U
4-Chloro-3-Methylphenol	10	U
2-Methylnaphthalene	10	U
Hexachlorocyclopentadiene	10	U
2,4,6-Trichlorophenol	50	U
2,4,5-Trichlorophenol	50	U
2-Chloronaphthalene	10	U
2-Nitroaniline	50	U
Dimethylphthalene	10	U
Acenaphthylene	10	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
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CLIENT: WESTON SERVICES

Sample I.D.: GROUP-2 DUPLICATE (D02,D13,D16,D17,D18,D19,D20,D22,D25,D35) Project # 831

COMPOUND	UNITS: (ppm)	Q
3-Nitroaniline	50	U
Acenaphthene	10	U
2,4-Dinitrophenol	50	U
4-Nitrophenol	50	U
Dibenzofuran	10	U
2,4-Dinitrotoluene	10	U
2,6-Dinitrotoluene	10	U
Diethylphthalate	10	U
4-Clorophenyl-phenylether	10	U
Fluorene	10	U
4-Nitroaniline	50	U
4,6-Dinitro-2-Methylphenol	50	U
N-Nitrosodiphenylamine*	10	U
4-Bromophenyl-phenylether	10	U
Hexachlorobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Anthracene	10	U
Di-n-Butylphthalate	10	U
Fluoranthene	10	U
Pyrene	10	U
Butylbenylphthalate	10	U
3,3'-Dichlorobenzidine	20	U
Benzo(a)Anthracene	10	U
Bis(2-Ethylhexyl)Phthalate	2	J
Chrysene	10	U
Di-n-Octyl Phthalate	10	U
Benzo(b)Fluoranthene	10	U
Benzo(k)Fluoranthene	10	U
Benzo(a)Pyrene	10	U
Indeno(1,2,3-cd)Pyrene	10	U
Dibenz(a,h)Anthracene	10	U
Benzo (g,h,i)Perylene	10	U

*Cannot be seperated from diphenylamine.

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION# Group 2 Duplicate(D02, D13, D16, D17, D18, D19, D20, D22, D25, D35)
LAB#:

PESTICIDES

	DETECTION LIMIT	RESULTS (ppm)
Aldrin	1.0	ND
a-BHC-Alpha	1.0	ND
b-BHC-Beta	1.0	ND
g-BHC-Delta	1.0	ND
r-BHC-Gamma(Lindane)	1.0	ND
Chlordane	5.0	ND
4,4'-DDT	1.0	ND
4,4'-DDE	1.0	ND
4,4'-DDD	1.0	ND
Dieldrin	1.0	ND
Endosulfan-Alpha	1.0	ND
Endosulfon-Beta	1.0	ND
Endosulfan Sulfate	1.0	ND
Endrin	1.0	ND
Endrin Aldehyde	1.0	ND
Heptachlor	1.0	ND
Heptachlor Epoxide	1.0	ND
PCB-1242 (Arochlor 1242)	5.0	ND
PCB-1254 (Arochlor 1254)	5.0	ND
PCB-1221 (Arochlor 1221)	5.0	ND
PCB-1232 (Arochlor 1232)	5.0	ND
PCB-1248 (Arochlor 1248)	5.0	ND
PCB-1260 (Arochlor 1260)	5.0	ND
PCB-1016 (Arochlor 1016)	5.0	ND
Toxaphene	5.0	ND

ACCURA ANALYTICAL LABORATORY

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CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic

% SPIKE RECOVERIES

Nitrobenzene-D5	87.2
2-Fluorobiphenyl	94.8
Phenol-D6	72.5
2,4,6-Tribromophenol	91.4
2-Bromo-1-Chloropropane	143
1,4-Dichlorobutane	129

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY M. Shakar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic

% SPIKE RECOVERIES

Nitrobenzene-D5	96.2
2-Fluorobiphenyl	97.0
Phenol-D6	69.7
2,4,6-Tribromophenol	76.5
PCB's (Arochlor-1016)	97.4
Heptachlor Epoxide	95.0
2-Bromo-1-Chloropropane	111
1,4-Dichlorobutane	97.1

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY M. Shakar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831d
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic

% SPIKE RECOVERIES

Antimoony	73
Arsenic	70
Beryllium	74
Copper	103
Lead	101
Nickel	103
Selenium	108
Silver	105
Zinc	115
Thallium	90

Respectfully submitted,
ACCURA ANALYTICAL LABS

BY J. Shaker Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services
2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

CLIENT: WESTON SERVICES
100 Atlanta Technology Center
1575 Northside Drive, N.W.
Suite / 120
Atlanta, GA 30318

PROJECT NO:
LAB PROJECT NO: 831
DATE RECEIVED: 1-11-90
REPORT DATE: 2-28-90

ATTENTION: Ms. Donnissa L. Duvic
SAMPLE : STATION#: Group 7 Duplicate (D24)

TOTAL METALS

	RESULTS (ppm)
Antimony	<0.1
Arsenic	<0.02
Beryllium	<0.05
Cadmium	181.0
Chromium	<0.50
Copper	<0.5
Lead	<0.5
Nickel	0.06
Selenium	0.10
Silver	<0.05
Zinc	67.0
Thallium	0.09

Respectfully submitted,
ACCURA ANALYTICAL LABS.

BY M. Shekar Reddy

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

VOLATILE ORGANIC ANALYSIS DATA

Client: WESTON SERVICES Project: 831

Sample I.D.: Blank

Sample Description: Lab Blank

Date Report: 2-28-90 Date Sample Rec'd:1-11-90

COMPOUND	UNITS: (ppb)	Q
Chloromethane	5	U
Bromomethane	5	U
Vinyl Chloride	5	U
Chloroethane	5	U
Methylene chloride	5	U
Acetone	5	U
Carbon Disulfide	5	U
1,1-Dichloroethane	5	U
1,1-dichloroethane	5	U
(Total) 1,2-Dichloroethane	5	U
Chloroform	5	U
1,2-Dichloroethane	5	U
2-Butanone	5	U
1,1,1-Trichloroethane	5	U
Carbon Tetrachloride	5	U
Vinyl Acetate	5	U
Bromodichloromethane	5	U
1,2-Dichloropropane	5	U
Cis-1,3-Dichloropropene	5	U
Trichloroethene	5	U
Dibromochloromethane	5	U
1,1,2-Trichloroethane	5	U
Benzene	5	U
Trans-1,3-Dichloropropene	5	U
Bromoform	5	U
4-Methyl-2-Pentanone	5	U
2-Hexanone	5	U
Tetrachloroethene	5	U
1,1,2,2-Tetrachloroethane	5	U
Toluene	5	U
Chlorobenzene	5	U
Ethylbenzene	5	U
Styrene	5	U
Total Xylenes	5	U

ACCURA ANALYTICAL LABORATORY

Environmental Analytical Services

2690 E. Ponce de Leon Avenue, Decatur, GA 30030/PO Box 1382, Decatur, GA 30031 (404)378-3877

(Q) : Qualifiers
O : Estimated value, over calibration Limit
U : Analyzed for but not detected
B : Found in associated blank as well as sample
J : Estimated value,less than quantitation limit

EcoTek LSI
EcoTek Laboratory Services Incorporated

MONTREAL
COURT

Client: OHM

Sample Receipt Date: July 5, 1990

LSDG: 0190

Sample Report Date: July 19, 1990

Client Reference No.: Montreal #2

ANALYTICAL RESULTS

Lab Sample ID Client Sample ID METALS (mg/kg)	019001 MCD-2 LIQUID	019002 D11 / D34 Solids composit.
Arsenic	<5.4	<5.6
Selenium	<4.9	<5.1
Barium	967.	<0.9
Cadmium	171.	<0.5
Chromium	1.0	<0.8
Lead	2.5	12.0
Mercury	<0.07	<0.08
Silver	<1.0	<1.0
Copper	<0.5	0.9
Iron	75.3	912.
Manganese	11.3	2.2
Nickel	<3.3	<3.4
Potassium	<34.8	<36.2
Thallium	<7.4	20.4
Sodium	57.7	120.
Zinc	142.	12.0

EcoTek LSI
EcoTek Laboratory Services Incorporated
LSDG: 0190

Cyanide	0.14	<1.20
Flashpoint °F	203.	144.
Density (g/ml)	2.19	0.51
pH	6	5
% solids	15.6	83.1
Physical Description Color	Light Brown	Blue
Physical Description Odor	Yes	Yes
Physical Description # Phases	2	1
Physical Description State	Liquid	Solid
Physical Description % by Volume Liquid	90%	100%
Physical Description % by Volume Solid	10%	0%

EcoTek LSI
EcoTek Laboratory Services Incorporated

Client: OHM

Sample Receipt Date: July 5, 1990

LSDG: 0190

Sample Report Date: July 19, 1990

Client Reference No.: Montreal #2

ANALYTICAL RESULTS

Lab Sample ID	Client Sample ID	BTU/lb	Total Chloride (ppm)
019001	MCD-2	1,920	<200
019002	D11 / D34	10,770	1,200
Detection Limits			200

EcoTek LSI
EcoTek Laboratory Services Incorporated

Client: OHM

Sample Receipt Date: July 5, 1990

LSDG: 0190

Sample Report Date: July 19, 1990

Client Reference No.: Montreal #2

ANALYTICAL RESULTS

PAINT FILTER TEST

Lab Sample ID	Client Sample ID	% Free Liquid (by weight)
019001	MCD-2	82.6%
019002	D11 / D34	2.4%

ATTACHMENT D

Photographs

PHOTO # 1
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: View of drums at first site visit.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 01/10/90
TIME: 0900 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: R. McKeen
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT O

Copy

PHOTO # 2
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: More drums at initial site visit.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 01/10/90
TIME: 0900 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: R. McKeen
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 3
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: View of drums when arriving for ERCS sampling. TAT had secured the area by covering the drums with Visqueen and 'roping-off' the area with "CAUTION" tape during the previous visit.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/23/90
TIME: 1200 hrs
PHOTOGRAPHER: V. Benfield
WITNESS:
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 4
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: ERCS crew sampling the drums for compatabilty testing and disposal options.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/23/90
TIME: 1300 hrs
PHOTOGRAPHER: V. Benfield
WITNESS:
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

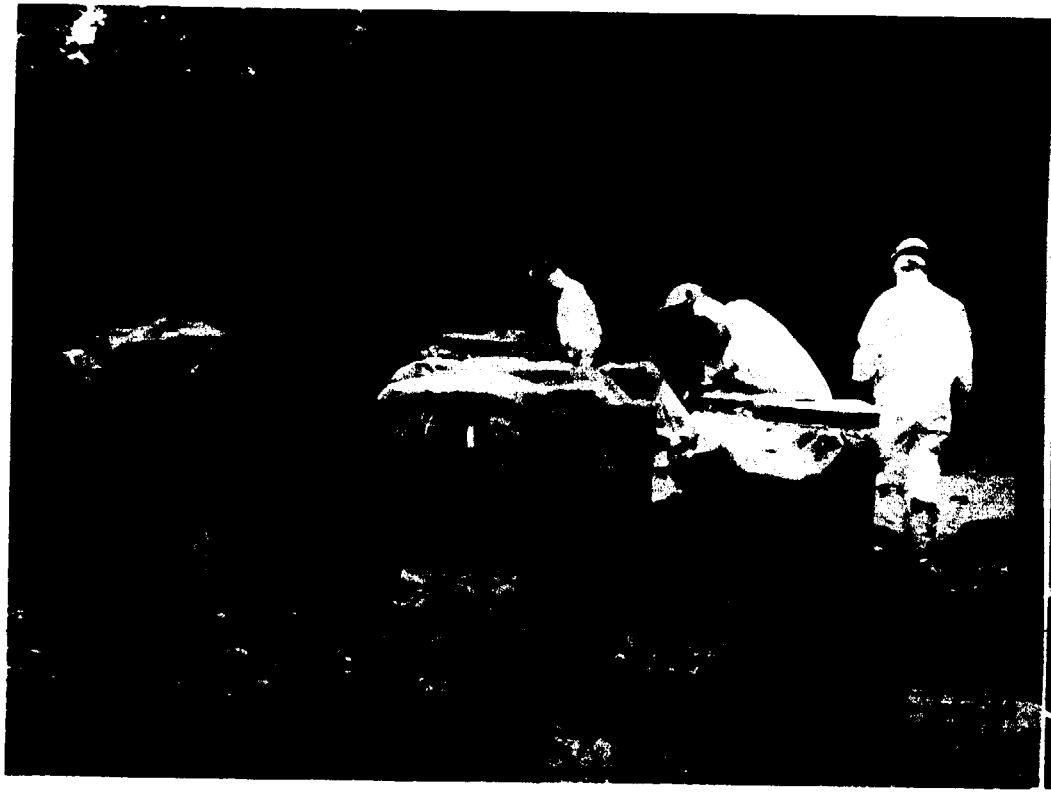


PHOTO # 5
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: ERCS re-covering the drums at the completion of the sampling. The Visqueen was secured over the drums with duct tape.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/23/90
TIME: 1400 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 6
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: ERCS re-sampling a drum for more product before overpacking the hazardous drums.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/30/90
TIME: 1000 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

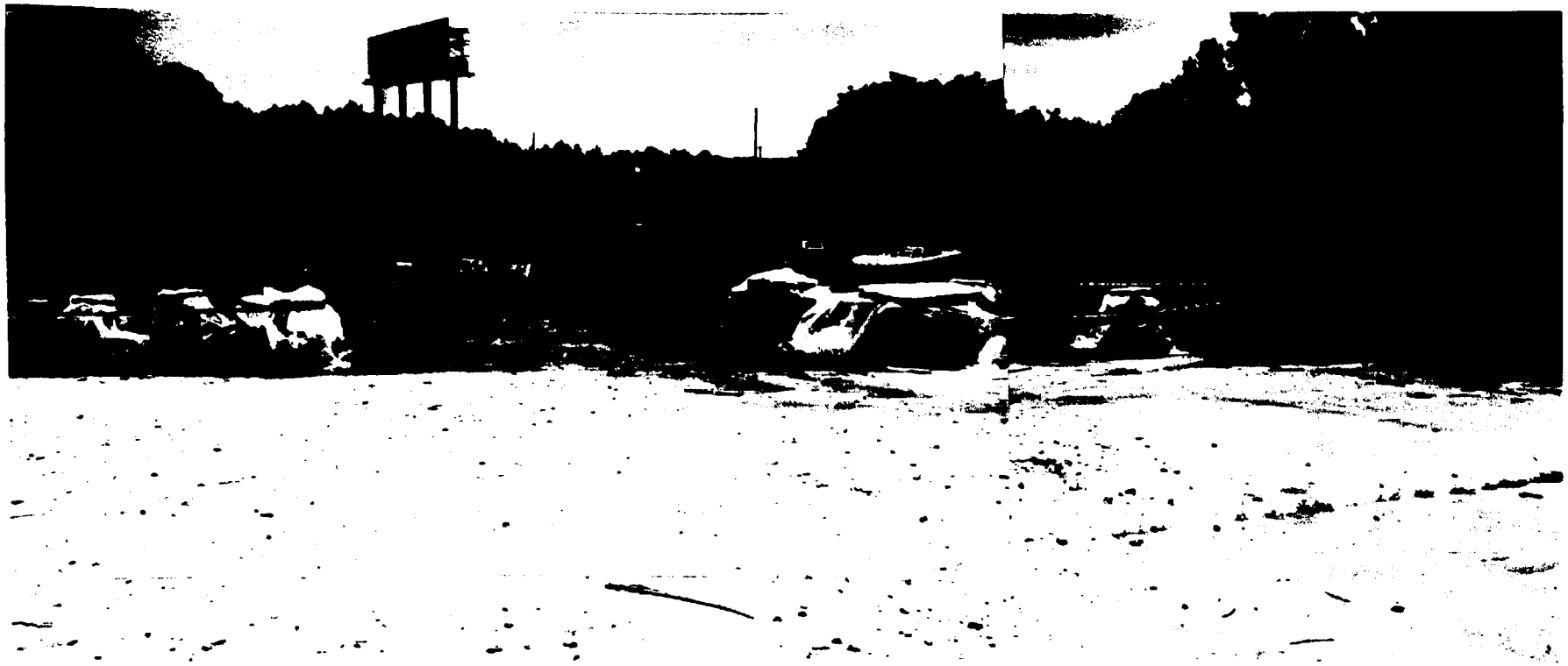


PHOTO # 7
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: View of the covered and secured drums after the completion of the ERCS sampling.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

DATE : 05/30/90
TIME: 1430 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm
ASA: 100
TDD#: 04-9010-0002-1002
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 8
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: 30 gallon drum found on site property during the overpacking process.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/30/90
TIME: 1230 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 9
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: ERCS sampling the newly-found drum for compatability and disposal testing. Drum was overpacked after sampling was completed. .

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/30/90
TIME: 1345 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 10
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: ERCS overpacking the hazardous drums.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/30/90
TIME: 1230 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 11
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: Overpacked and secured hazardous drums.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 05/30/90
TIME: 1345 hrs
PHOTOGRAPHER: V. Benfield
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 12
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: ERCS moving the overpacked drums.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 07/06/90
TIME: 0900 hrs
PHOTOGRAPHER: R. McKeen
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 13
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: Labeled overpacked drums before transport to MKC.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 07/06/90
TIME: 0945 hrs
PHOTOGRAPHER: R. McKeen
WITNESS: S. Spurlin
FILM: 35 mm **ASA:**100
LOCATION OF NEGATIVE: Atlanta TAT Office

U.S. EPA REGION IV

SDMS

POOR LEGIBILITY

PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL

*PLEASE CONTACT THE APPROPRIATE RECORDS CENTER TO VIEW THE MATERIAL

PHOTO # 14
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: MKC Truck used for transporting the overpacked drums.

LOCATION: Montreal Court Drum.
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 07/06/90
TIME: 1000 hrs
PHOTOGRAPHER: R. McKeen
WITNESS: S. Spurlin
FILM: 35 mm **ASA:** 100
LOCATION OF NEGATIVE: Atlanta TAT Office

PHOTO # 15
OFFICAL PHOTOGRAPH
ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: Labeled overpacked drums being loaded into the MKC truck.

LOCATION: Montreal Court Drum
Tucker, DeKalb County, Georgia

TDD#: 04-9010-0002-1002
DATE: 07/06/90
TIME: 0945 hrs
PHOTOGRAPHER: R. McKeen
WITNESS: S. Spurlin
FILM: 35 mm **ASA:** 100
LOCATION OF NEGATIVE: Atlanta TAT Office

ATTACHMENT E

Waste Manifests

90098

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: GAD984279372
Manifest Document No.: 90098
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
US EPA Region IV/Montreal Crt. Site
345 Courtland Street, Atlanta, GA 30365
4. Generator's Phone (404) 347-3931

A. State Manifest Document Number: 90098
B. State Generator's ID: GAD984279372

5. Transporter 1 Company Name: MKC ENTERPRISES, INC.
6. US EPA ID Number: GAD000816367
C. State Transporter's ID: [redacted]
D. Transporter's Phone: [redacted]

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
MKC ENTERPRISES, INC.
5856 New Peachtree Rd.
Doraville, GA 30340
10. US EPA ID Number: GAD000816367
G. State Facility's ID: [redacted]
H. Facility's Phone: [redacted]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Waste Flammable Liquid, N.O.S. Flammable Liquid, UN1993 (D001)	009	DM	EST 03000	P	D001
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
If Spill Occurs Refer To Emergency Response Guidebook.
a) Guide #27
24-Hour Emergency Response #404-457-1341

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Steve Spurlin
Signature: [signature]
Month 07 Day 06 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael J. Hodgson
Signature: [signature]
Month 07 Day 06 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name:
Signature:
Month Day Year

GENERATOR'S COPY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		X						D001
b.								
c.								
d.								

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

If Spill Occurs Refer To Emergency Response Guidebook.
a) Guide #27

(24-Hr. Emergency Response #404-457-1341)

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: A Shane Hitchcock | Signature | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Perry D. Querles | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month Day Year

GENERATOR

COPY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (*Including Proper Shipping Name, Hazard Class, and ID Number*)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X						
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

If Spill Occurs Refer To Emergency REsponse Guidebook.
a) Guide #27

(24-Hr. Emergency Response #404-457-1341)

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
A Shane Hitchcock	[signature]	09	26	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Perry D. Quarles	Perry D. Quarles	10	04	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D11/D34 RE

Lab Name: ECOTEK Contract: OHM

Lab Code: ECOTEK Case No.: MONTRP01SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 019002

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 019002B

Level: (low/med) MED Date Received: 7/ 5/90

% Moisture: not dec. 0. Date Analyzed: 7/12/90

Column: (pack/cap) PACK Dilution Factor: ~~1000.~~ 10.00 RP 7/19

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	12000.	U
74-83-9	BROMOMETHANE	12000.	U
75-01-4	VINYL CHLORIDE	12000.	U
75-00-3	CHLOROETHANE	12000.	U
75-09-2	METHYLENE CHLORIDE	18000.	B
67-64-1	ACETONE	120000.	BJ
75-15-0	CARBON DISULFIDE	130000.	
75-35-4	1,1-DICHLOROETHENE	6200.	U
75-34-3	1,1-DICHLOROETHANE	6200.	U
156-60-5	1,2-DICHLOROETHENE (TOTAL)	6200.	U
67-66-3	CHLOROFORM	6200.	U
107-06-2	1,2-DICHLOROETHANE	6200.	U
78-93-3	2-BUTANONE	19000.	J
71-55-6	1,1,1-TRICHLOROETHANE	2700.	BJ
56-23-5	CARBON TETRACHLORIDE	6200.	U
108-05-4	VINYL ACETATE	62000.	U
75-27-4	BROMODICHLOROMETHANE	6200.	U
78-87-5	1,2-DICHLOROPROPANE	6200.	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	6200.	U
79-01-6	TRICHLOROETHENE	6200.	U
124-48-1	DIBROMOCHLOROMETHANE	6200.	U
79-00-5	1,1,2-TRICHLOROETHANE	6200.	U
71-43-2	BENZENE	6200.	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	6200.	U
75-25-2	BROMOFORM	6200.	U
108-10-1	4-METHYL-2-PENTANONE	62000.	U
591-78-6	2-HEXANONE	62000.	U
127-18-4	TETRACHLOROETHENE	6200.	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	6200.	U
108-88-3	TOLUENE	6200.	U
108-90-7	CHLOROBENZENE	6200.	U
100-41-4	ETHYLBENZENE	57000.	
100-42-5	STYRENE	210000000	E BD 7/19
1330-20-7	XYLENE (TOTAL)	100000.	
110-75-8	2-CHLOROETHYL VINYL ETHER	12000.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D11/D34 RE

Lab Name: ECOTEK Contract: OHM

Lab Code: ECOTEK Case No.: MONTRP01SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 019002

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 019002B

Level: (low/med) MED Date Received: 7/ 5/90

% Moisture: not dec. 0. Date Analyzed: 7/12/90

Column: (pack/cap) PACK Dilution Factor: ~~1000~~.00 10.00 BP 7/19

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	3638-35-5	CYCLOPROPANE, (1-METHYLETHYL	15.83	5000.	J
2.	110-54-3	HEXANE (DOT)	19.87	8000.	J
3.	98-67-9	BENZENESULFONIC ACID, 4-HYDR	27.27	300000.	J
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D11/D34

Lab Name: ECOTEK Contract: OHM

Lab Code: ECOTEK Case No.: MONTREALSAS No.: SDG No.: 0190

Matrix: (soil/water) SOIL Lab Sample ID: 019002

Sample wt/vol: 1.3 (g/mL) G Lab File ID: 42079

Level: (low/med) HIGH Date Received: 7/ 5/90

% Moisture: not dec. 0. dec. 0. Date Extracted: 7/18/90

Extraction: (SepF/Cont/Sonc) Date Analyzed: 7/19/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	76000.	U
111-44-4	bis(2-Chloroethyl)ether	76000.	U
95-57-8	2-Chlorophenol	76000.	U
541-73-1	1,3-Dichlorobenzene	76000.	U
106-46-7	1,4-Dichlorobenzene	76000.	U
100-51-6	Benzyl alcohol	76000.	U
95-50-1	1,2-Dichlorobenzene	76000.	U
95-48-7	2-Methylphenol	76000.	U
108-60-1	bis(2-Chloroisopropyl)ether	76000.	U
106-44-5	4-Methylphenol	76000.	U
621-64-7	N-Nitroso-di-n-propylamine	76000.	U
67-72-1	Hexachloroethane	76000.	U
98-95-3	Nitrobenzene	76000.	U
78-59-1	Isophorone	76000.	U
88-75-5	2-Nitrophenol	76000.	U
105-67-9	2,4-Dimethylphenol	76000.	U
65-85-0	Benzoic acid	640000.	
111-91-1	bis(2-Chloroethoxy)methane	76000.	U
120-83-2	2,4-Dichlorophenol	76000.	U
120-82-1	1,2,4-Trichlorobenzene	76000.	U
91-20-3	Naphthalene	76000.	U
106-47-8	4-Chloroaniline	76000.	U
87-68-3	Hexachlorobutadiene	76000.	U
59-50-7	4-Chloro-3-methylphenol	76000.	U
91-57-6	2-Methylnaphthalene	76000.	U
77-47-4	Hexachlorocyclopentadiene	76000.	U
88-06-2	2,4,6-Trichlorophenol	76000.	U
95-95-4	2,4,5-Trichlorophenol	370000.	U
91-58-7	2-Chloronaphthalene	76000.	U
88-74-4	2-Nitroaniline	370000.	U
131-11-3	Dimethylphthalate	76000.	U
208-96-8	Acenaphthylene	76000.	U
606-20-2	2,6-Dinitrotoluene	76000.	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D11/D34

Lab Name: ECOTEK Contract: OHM

Lab Code: ECOTEK Case No.: MONTREALSAS No.: SDG No.: 0190

Matrix: (soil/water) SOIL Lab Sample ID: 019002

Sample wt/vol: 1.3 (g/mL) G Lab File ID: 42079

Level: (low/med) HIGH Date Received: 7/ 5/90

% Moisture: not dec. 0. dec. 0. Date Extracted: 7/18/90

Extraction: (SepF/Cont/Sonc) Date Analyzed: 7/19/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	370000.	U
83-32-9	Acenaphthene	76000.	U
51-28-5	2,4-Dinitrophenol	370000.	U
100-02-7	4-Nitrophenol	370000.	U
132-64-9	Dibenzofuran	76000.	U
121-14-2	2,4-Dinitrotoluene	76000.	U
84-66-2	Diethylphthalate	76000.	U
7005-72-3	4-Chlorophenyl-phenylether	76000.	U
86-73-7	Fluorene	76000.	U
100-01-6	4-Nitroaniline	370000.	U
534-52-1	4,6-Dinitro-2-methylphenol	370000.	U
86-30-6	N-Nitrosodiphenylamine	76000.	U
101-55-3	4-Bromophenyl-phenylether	76000.	U
118-74-1	Hexachlorobenzene	76000.	U
87-86-5	Pentachlorophenol	370000.	U
85-01-8	Phenanthrene	76000.	U
120-12-7	Anthracene	76000.	U
84-74-2	Di-n-butylphthalate	12000.	J
206-44-0	Fluoranthene	76000.	U
129-00-0	Pyrene	76000.	U
85-68-7	Butylbenzylphthalate	76000.	U
91-94-1	3,3'-Dichlorobenzidine	150000.	U
56-55-3	Benzo(a)anthracene	76000.	U
218-01-9	Chrysene	76000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	53000.	J
117-84-0	Di-n-octylphthalate	76000.	U
205-99-2	Benzo(b)fluoranthene	76000.	U
207-08-9	Benzo(k)fluoranthene	76000.	U
50-32-8	Benzo(a)pyrene	76000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	76000.	U
53-70-3	Dibenz(a,h)anthracene	76000.	U
191-24-2	Benzo(g,h,i)perylene	76000.	U

(1) - Cannot be separated from diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D11/D34

Lab Name: ECOTEK ~~WANTEC~~ Contract: O.H.M

Lab Code: ECOTEK ~~WANTEC~~ Case No.: SAS No.: SDG No.: MCD-2

Matrix: (soil/water) SOIL Lab Sample ID: 019002

Sample wt/vol: 1. (g/mL) G Lab File ID: 1030B67

Level: (low/med) LOW Date Received: 7/ 5/90

% Moisture: not dec. 0. dec. 0. Date Extracted: 7/18/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 7/19/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	DL
319-84-6	ALPHA-BHC	160.	U	
319-85-7	BETA-BHC	160.	U	
319-86-8	DELTA-BHC	150.	J	160
58-89-9	GAMMA-BHC	160.	U	
76-44-8	HEPTACHLOR	160.	U	
309-00-2	ALDRIN	160.	U	
1024-57-3	HEPTACHLOR EPOXIDE	100.	J	160
959-98-8	ENDOSULFAN I	160.	U	
60-57-1	DIELDRIN	330.	U	
72-55-9	4,4'-DDE	330.	U	
72-20-8	ENDRIN	330.	U	
33213-65-9	ENDOSULFAN II	330.	U	
72-54-8	4,4'-DDD	330.	U	
1031-07-8	ENDOSULFAN SULFATE	330.	U	
50-29-3	4,4'-DDT	330.	U	
72-43-5	METHOXYCHLOR	1600.	U	
53494-70-5	ENDRIN KETONE	330.	U	
5103-71-9	ALPHA CHLORDANE	1600.	U	
5103-74-2	GAMMA CHLORDANE	1600.	U	
8001-35-2	TOXAPHENE	3300.	U	
12674-11-2	AROCLOR-1016	1600.	U	
11104-28-2	AROCLOR-1221	1600.	U	
11141-16-5	AROCLOR-1232	1600.	U	
53469-21-9	AROCLOR-1242	1600.	U	
12672-29-6	AROCLOR-1248	1600.	U	
11097-69-1	AROCLOR-1254	3300.	U	
11096-82-5	AROCLOR-1260	3300.	U	

ATTACHMENT F

Drum Logs

DRUM INSPECTION LOG

Montreal Drum Site

Drum # 001
Project #

Date [illegible]
Time [illegible]

Type of Contents: X SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER

Color

Size of Grain

pH

___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Tube

Drum Markings: Polyvinyl Alcohol

Additional Comments: OVA - No Reading

RPM

****

LAYER DESCRIPTION

WATER

GREY SLUDGE

LAYERS

Designation	State
	Liquid
	Sludge

DRUM INSPECTION LOG

Drum # 102 Date 1/10/90
Project # _____ Time 13

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color CLEAR Size of Grain _____

pH 6 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other THIEF

Drum Markings: _____

Additional Comments: OVA - NO READING

KPM

****

LAYER DESCRIPTION

WATER

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 103
Project #

Date 1/10/90
Time 1055

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER

Color

Size of Grain

pH

___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ___30-gallon ___5-gallon

Other

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

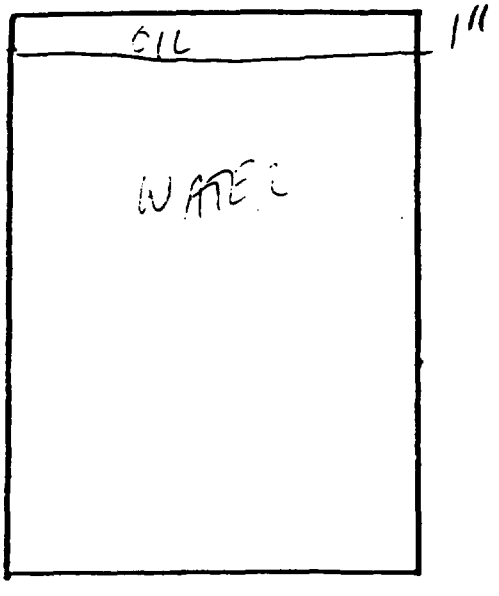
Sample Method: ___Pipette ___Trowel Other THIEF

Drum Markings: ~~NONE~~ BROWN SOLVENT CORPORATION CHARLOTTE, NC
CLEANING THINNER (LACQUER THINNER COMPOUND)

Additional Comments: OVA - NO READING
TOOK 2 SAMPLES - 1ST REPRESENTATIVE AND OIL LAYER RPM

****

LAYER DESCRIPTION



LAYERS

Designation	State

½ full / Black

DRUM INSPECTION LOG

Drum # D04 Date 1/10/90
Project # _____ Time 1120

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Brown Size of Grain _____

pH 7 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
X one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Tube

Drum Markings: None

Additional Comments: OVA > 1000 PPM

PPM

****

LAYER DESCRIPTION

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D05 Date 1/10/90
Project # _____ Time 1120

Type of Contents: X SOLID ___LIQUID ___SLUDGE ___LAB PACK
___EXPLOSIVE OTHER _____

Color Gray - White Size of Grain _____

pH — ___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon
Other _____

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Stainless Steel Spoon

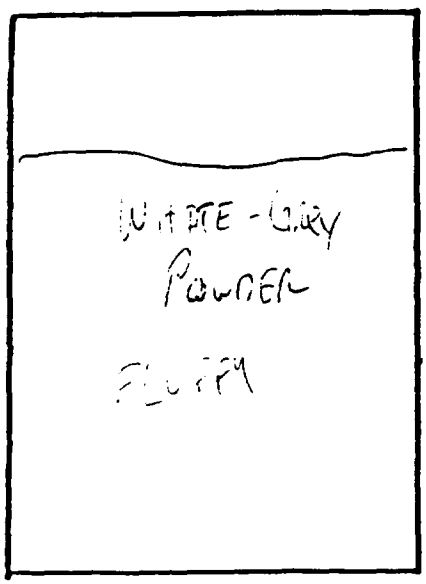
Drum Markings: _____

Additional Comments: DVA - No Reading

RPM

****

LAYER DESCRIPTION



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 2.06
Project # _____

Date 1/10/90
Time 1145

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Oil WATER

Size of Grain _____

pH 7

X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other THIEF

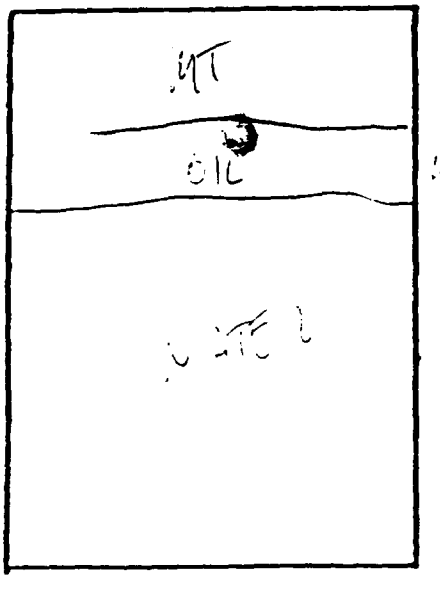
Drum Markings: NONE

Additional Comments: OVA - NO READING

2PM

****

LAYER DESCRIPTION



LAYERS

Designation	State

full / black

DRUM INSPECTION LOG

Drum # 007
Project #

Date [illegible]
Time [illegible]

Type of Contents: X SOLID X LIQUID ___ SLUDGE ___ LAB PACK

___ EXPLOSIVE OTHER ___

Color Grey - White

Size of Grain ___

pH 6

X PAPER ___ METER

Drum Size: X 55-gallon ___ 42-gallon ___ 30-gallon ___ 5-gallon

Other ___

Amount of Contents: X Full ___ three-fourths ___ one-half
___ one-fourth ___ less than one-fourth

Sample Method: ___ Pipette ___ Trowel Other ___

Drum Markings: None

Additional Comments: OVA - V. Reading

RPM

****

LAYER DESCRIPTION

WATER
WHITE GREY SLUDGE
[illegible] SLUDGE

LAYERS

Designation	State

Same

DRUM INSPECTION LOG

Drum # 208
Project # _____

Date 1/10/90
Time 1300

Type of Contents: X SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Grey Water

Size of Grain _____

pH 6

X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: None

Additional Comments: OVA - No Reading

RPM

****

LAYER DESCRIPTION

WATER
GREY-WHITE SLUDGE

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D09
Project #

Date 1/10/90
Time 1210

Type of Contents: X SOLID X LIQUID ___ SLUDGE ___ LAB PACK
___ EXPLOSIVE OTHER ___

Color WHITE
Size of Grain ___

pH 5
X PAPER ___ METER

Drum Size: X 55-gallon ___ 42-gallon ___ 30-gallon ___ 5-gallon
Other ___

Amount of Contents: X Full ___ three-fourths ___ one-half
___ one-fourth ___ less than one-fourth

Sample Method: ___ Pipette ___ Trowel Other THIEF

Drum Markings: NONE

Additional Comments: OVA - 9 PPM

KPM

****

LAYER DESCRIPTION

WATER	2"
WHITE VISCOUS LIQUID	6"
WHITE SOLID	

LAYERS

Designation	State

Same

DRUM INSPECTION LOG

Drum # D10
Project #

Date 1/10/90
Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER ___

Color CLEAR

Size of Grain ___

pH 7

X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other ___

Amount of Contents: ___Full ___three-fourths ___one-half
X one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other ___

Drum Markings: TETRAHYDRAFURAN G-446 T-46 N-400
CODE 5473
LOT 681-106-8603

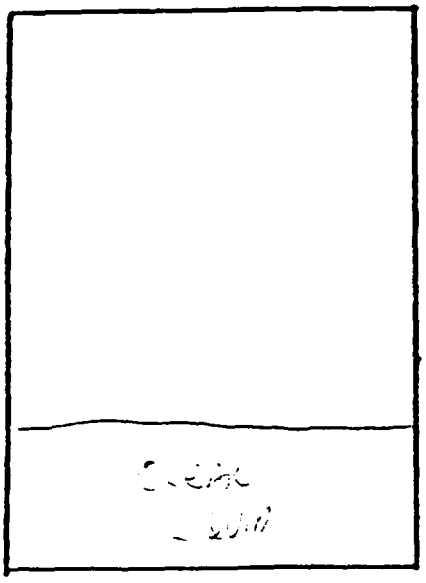
Additional Comments: OVA > 1000 ppm

RPM

****

LAYER DESCRIPTION

CLEAR
LIQUID



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D11 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: X SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color — Size of Grain _____

pH — ___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth X less than one-fourth

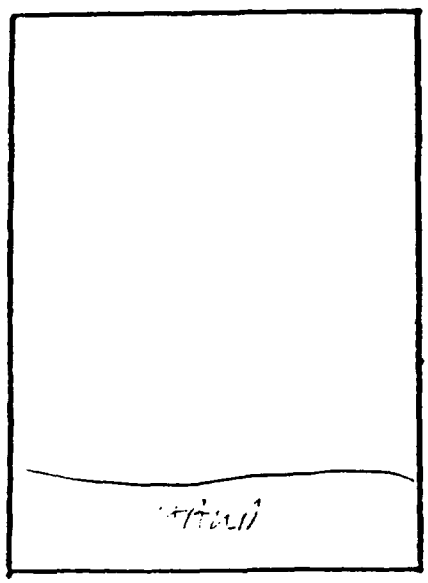
Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: RESIN SOLUTION
HUNT TEXTILE Co. 530 PERMALUME ATLANTA, GA

Additional Comments: COULD NOT OBTAIN SAMPLE
OVA - No READING RFM

****

LAYER DESCRIPTION



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # [illegible]
Project # _____

Date [illegible]
Time [illegible]

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color [illegible]

Size of Grain _____

pH 7

X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths X one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Stainless Steel Spoon

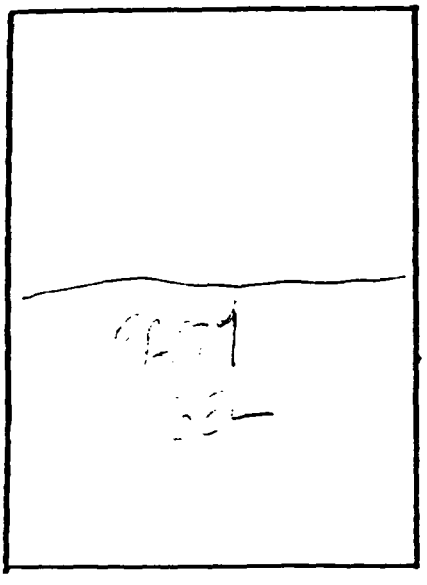
Drum Markings: None

Additional Comments: OVA - No Reading

RPM

****

LAYER DESCRIPTION



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D13 Date 1/10/90
Project # _____ Time 1240

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK
___EXPLOSIVE OTHER _____

Color Cloudy Size of Grain _____
pH 7 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon
Other _____

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: PRKRYLK 1200
83606-18

Additional Comments: Could not Sample - Bung rusted
Plastic (visqueen lined) Got Bung open @ 1440 MS RM
OVA - No Reading RBM

****

LAYER DESCRIPTION

Cloudy
Liquid

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D14 Date 1/10/90
Project # _____ Time 1245

Type of Contents: ___SOLID ___LIQUID X SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color BROWN - Size of Grain _____

pH 7 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

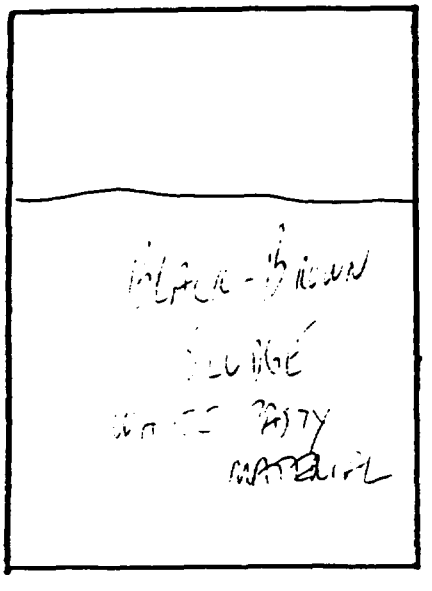
Sample Method: ___Pipette ___Trowel Other SS SPOON

Drum Markings: NONE

Additional Comments: OPEN TOP
OVA - NO READING RPM

****

LAYER DESCRIPTION



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 015
Project #

Date [illegible]
Time [illegible]

Type of Contents: ___SOLID ___LIQUID X SLUDGE ___LAB PACK

___EXPLOSIVE OTHER

Color White

Size of Grain

pH 7

X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other SS Spoon

Drum Markings: None

Additional Comments: OPEN TOP
OVA No Reading

****

LAYER DESCRIPTION

Nitrate Pasty
Sludge

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # P16 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Cloudy - Yellow Size of Grain _____

pH 7 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Thief

Drum Markings: Winston Container Co. 4732 Murray Field Rd
Charlotte, NC (704) 394-0176

Additional Comments: OVA No reading

AFM

****

LAYER DESCRIPTION

Cloudy
Yellowish
Liquid

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 7/7 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Dark Brown Size of Grain _____

pH 6 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: None

Additional Comments: OVA - No Reading

KPM

****

LAYER DESCRIPTION

Dark Brown
[illegible]

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 018
Project #

Date [illegible]
Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER ___

Color ___ Size of Grain ___

pH 6 X PAPER ___METER

Drum Size: ✓ 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other ___

Amount of Contents: ___Full ___three-fourths ___one-half
X one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other THIEF

Drum Markings: ___

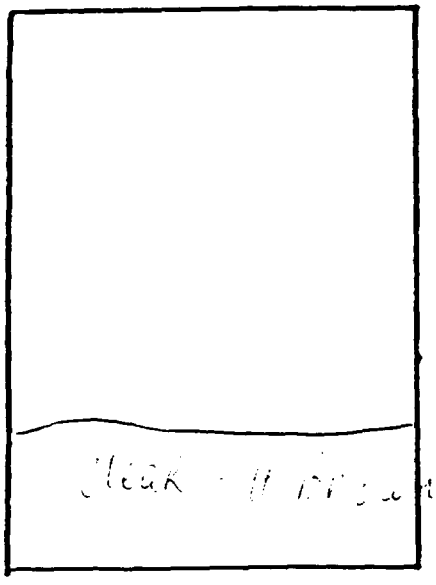
Additional Comments: OVA - No Reading

RPM

****

LAYER DESCRIPTION

Clear - [illegible]



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 119 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Dark Brown Size of Grain _____

pH 6 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Thief

Drum Markings: PRIERYLIC 1280
8360648

Additional Comments: OVA - No Reading
RPM

****

LAYER DESCRIPTION

Dark Brown Liquid

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 020 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color CLEAR Size of Grain _____

pH 6 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: NONE

Additional Comments: RUSTED - HOLE IN TOP OF DRUM
OVA - NO READING RPM

****

LAYER DESCRIPTION

CLEAR
LIQUID

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 021 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ___30-gallon ___5-gallon

Other 15 GALLON Poly - BLACK

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: None

Additional Comments: EMPTY

NPM

****

LAYER DESCRIPTION

MT

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 222 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Clear Size of Grain _____

pH 6 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other Thief

Drum Markings: Sicofol - 5 Open Top

Polyvinyl Alcohol

Additional Comments: OVA - No Reading

RPM

****

LAYER DESCRIPTION

Clear Liquid

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 023
Project # _____

Date [illegible]
Time [illegible]

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ___30-gallon ___5-gallon

Other 15 GALLON BLACK POLY

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: CORROSIVE - SULFURIC ACID

Additional Comments: EMPTY

RPM

****

LAYER DESCRIPTION

MT

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 024 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Light Brown Size of Grain _____

pH 5 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: None - OPEN TOP

Additional Comments: OVA - No READING

RPM

****

LAYER DESCRIPTION

OIL FLOATING ON LIQUID

LAYERS

Designation	State

3/4 full PID 45-50ppm Clear liq w/ gray solids [illegible]

DRUM INSPECTION LOG

Drum # 225 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Clear Size of Grain _____

pH 6 X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: Thomson-Hayward Chemical Comp. Kansas City Kansas
Non-Toxic Surfactant CONTAINS ETHYLENE OXIDE

Additional Comments: OVA - No Reading
KPM

****

LAYER DESCRIPTION

Clear
- [illegible]

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 026 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ___30-gallon ___5-gallon

Other 55 GALLON BLACK POLY

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: ACETIC ACID

Additional Comments: EMPTY

RPM

****

LAYER DESCRIPTION

MT

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 177 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: NONE

Additional Comments: _____

CPM

****

LAYER DESCRIPTION

MT

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 028
Project # _____

Date 1/1-/90
Time 1445

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: _____

Additional Comments: EMPTY

RPM

****

LAYER DESCRIPTION

M

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 1729
Project #

Date 1/16/9-
Time 58

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER

Color Pink

Size of Grain

pH

___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other

Drum Markings: [HUNT TEXTILE CHEMICAL POLYESTER] RUSSELL CORP. MILL & SLASHER 200

Additional Comments: WAS TURNED OVER WITH BUNG OPEN SPILLED CONTENTS ON GROUND - PINK VISCOUS LIQUID PPM
OVA - 300 PPM

****

LAYER DESCRIPTION

MT

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # [illegible]
Project # _____

Date [illegible]
Time [illegible]

Type of Contents: ___SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ___30-gallon ___5-gallon

Other 55 GAL BLACK POLY

Amount of Contents: ___Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: THOMSON HAYWARD CHEMICAL COMPANY

Additional Comments: EMPTY

RPM

****

LAYER DESCRIPTION

MT

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D31
Project # _____

Date 1/2/90
Time [illegible]

Type of Contents: X SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color ~~Brown~~ Green

Size of Grain _____

pH 5

___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
X one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

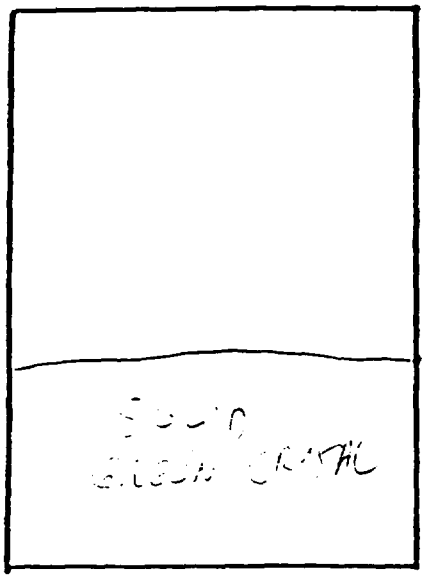
Drum Markings: NONE

Additional Comments: OVA - NO READING
POLY-LINED DRUM RPM

****

LAYER DESCRIPTION

SOLID
GREEN CRYSTAL



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 232
Project # _____

Date 1/10/90
Time 1[illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Brown-Green

Size of Grain _____

pH 7

X PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: None

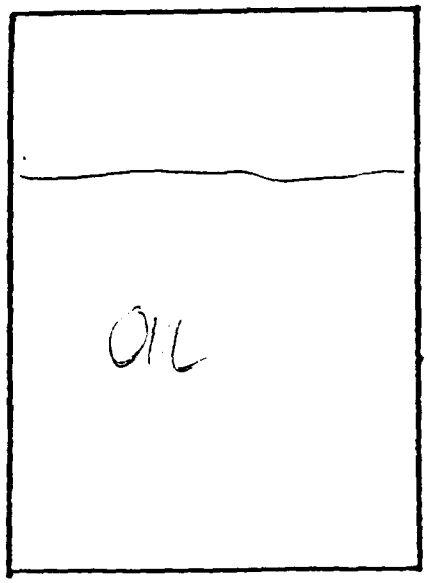
Additional Comments: OVA - ~~No Reading~~ >1000 ppm

RPM

****

LAYER DESCRIPTION

OIL



LAYERS

Designation	State

thick green ½ full Pd 600ppm

DRUM INSPECTION LOG

Drum # 033
Project # _____

Date 1/6/90
Time [illegible]

Type of Contents: ___SOLID X LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: X Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: NONE

Additional Comments: OVA - ~~No Reading~~ 40 ppm
ppm

****

LAYER DESCRIPTION

WHITE MILKY LIQUID

LAYERS

Designation	State

2" Solid in bottom pH 30 ppm

DRUM INSPECTION LOG

Drum # 224 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: X SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color Pink Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: X 55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full X three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

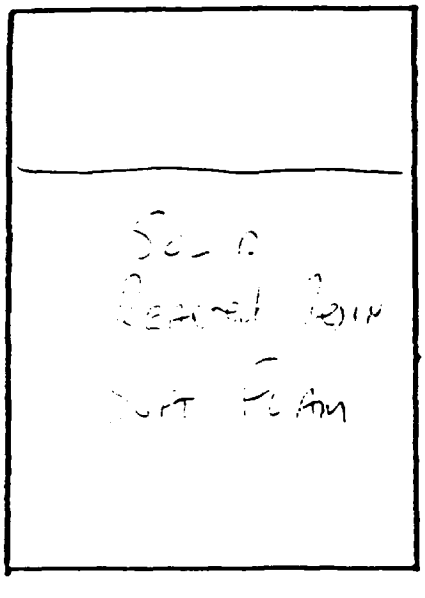
Drum Markings: None

Additional Comments: OVA - No Reading

RM

****

LAYER DESCRIPTION



LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # 235
Project #

Date 1/10/90
Time 1640

Type of Contents: X SOLID X LIQUID ___ SLUDGE ___ LAB PACK

___ EXPLOSIVE OTHER ___

Color CLEAR

Size of Grain ___

pH 5

X PAPER ___ METER

Drum Size: X 55-gallon ___ 42-gallon ___ 30-gallon ___ 5-gallon

Other ___

Amount of Contents: ___ Full X three-fourths ___ one-half
___ one-fourth ___ less than one-fourth

Sample Method: ___ Pipette ___ Trowel Other THIEF

Drum Markings: NONE

Additional Comments: OVA

RPM

****

LAYER DESCRIPTION

CLEAR LIQUID
SOLID

LAYERS

Designation	State

DRUM INSPECTION LOG

Drum # D30 Date [illegible]
Project # _____ Time [illegible]

Type of Contents: X SOLID ___LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER _____

Color _____ Size of Grain _____

pH _____ ___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ___30-gallon ___5-gallon

Other _____

Amount of Contents: ___Full ___three-fourths ___one-half
X one-fourth ___less than one-fourth

Sample Method: ___Pipette ___Trowel Other _____

Drum Markings: 55 yellow Drum - contaminated sludge/soil

* From Drum # D29

Additional Comments: 300 ppm OVA

- PCB Label with X through it MM

****

LAYER DESCRIPTION

LAYERS

Designation	State

DRUM INSPECTION LOG

Site: Mondreal Drum
Location: Tucker, GA

Drum # 37
Project Code # _____

Date: 23 May 90
Time: _____

Type of Contents: ____SOLID ____LIQUID ____SLUDGE ____LAB PACK

MT

Color _____ HNU _____

pH _____ EXPLO _____

OVA _____

Amount of Contents: ____Full ____3/4 ____1/2 ____1/4 ____Less than 1"

Drum Size: ____55-gallon ____41-gallon ____30-gallon ____5-gallon

Drum Markings: Blue, Poly-drum

Drum Type: ____17H ____17E ____37M ____Fiber ____Overpack ____Other

Drum Condition: ____Deteriorated ____Leaking ____Dented X OK/DOT

Sample Method: ____Pipette ____Trowel Other _____

****

Comments:

empty drum

LAYER DESCRIPTION

MT

O. H. MATERIALS CO.
DRUM INSPECTION LOG

Drum # 38
Project #

Date 5/30/90
Time 1315

Type of Contents: ___SOLID ✓LIQUID ___SLUDGE ___LAB PACK

___EXPLOSIVE OTHER

Color Black

Size of Grain

pH

___PAPER ___METER

Drum Size: ___55-gallon ___42-gallon ✓30-gallon ___5-gallon

Other

Amount of Contents: ✓Full ___three-fourths ___one-half
___one-fourth ___less than one-fourth

Sample Method: ✓Pipette ___Trowel Other

Drum Markings: None

Additional Comments: Appears to be waste oil
PID 5ppm

****

LAYER DESCRIPTION

black liquid

LAYERS

Designation	State
	liq

FORM B-1

ATTACHMENT G

Log Notes

DOCUMENT CONTROL

TAT-04-A-00637

00637

LEGAL DOCUMENT
DO NOT DESTROY

ROY F. WESTON/SPER. DIV.
1575 NORTHSIDE DRIVE N.W.
ATLANTA, GEORGIA 30318

Montreal Drum Site
TDD # 04-9001-08

PCS
2987

10 January 1990
0745 ATATL Mckeen, TATM Cole and Benfield leave Atlanta TAT Office for Montreal Drum Site, DeKalb County, Georgia. PCS #2987. Directions to Site:
From TAT Office on Northside Drive -
I-85N to Chamblee-Tucker Road.
Go East on Chamblee-Tucker Road, which becomes Mercer Road. Follow to end.
Turn right onto Henderson Mill Road.
Follow Henderson Mill Road until it becomes Briarcliff Rd. Turn right onto LAVISTA Road. (Rt. 236) Turn left onto Montreal Road. Approximately 1/2 mile on the left, immediately after railroad tracks is Montreal Circle. Follow road to the end. Turn left onto Montreal Ct. Site is at the far end of the road.
0830 TATM Mckeen, Benfield and Cole arrive on site. Vicki Benfield
0835 TAT met with OSC's Hitchcock & Sparlin and National Enforcement Investigation Center (NEIC) Representatives Dick Warner and Barry Stark. The site is an enforcement and criminal investigation sensitive. Made an initial assessment of the site from perimeter. 35 drums in various condition are scattered throughout the property. Some have lids and some are lying on their sides.
0900 Specific instructions from OSC Hitchcock concerning sampling was to obtain 1 sample from each drum

AND PLACE INTO AN 8 OZ JAR FOR COMPATIBILITY ANALYSIS. THEN AFTER ALL SAMPLES WERE TAKEN THE OSC WOULD CHOOSE 3 SAMPLES (DRUMS) WHICH WOULD BE RESAMPLED IN 16 OUNCE & 2-40 ml VOA FOR A TARGET COMPOUND LIST ANALYSIS AT THE ESD LAB IN ATHENS, GA. THESE WOULD BE CHOSEN ON THE BASIS OF HIGH READINGS FROM MONITORING WITH THE OVA & HNU TRACE ORGANIC ANALYZERS. ADDITIONALLY AND DRUM CONTENTS HAVING A pH < 2.0 or > 12.5 WOULD ALSO BE SAMPLED FOR ATHENS, GA. (TCL ANALYSIS).

1000 TAT McKEEN, BENFIELD & Cole DRESSED IN LEVEL 'B' PPE AND COMMENCED WITH INITIAL ENTRY WITH OVA, RAD Meter AND Explosimeter FOR PRELIMINARY AIR MONITORING RUN. Note: CALIBRATED INSTRUMENTATION ON SITE WITH PROPER CALIBRATION GAS BEFORE ENTRY.

OSC HITCHCOCK DEPARTED THE SITE DUE TO OTHER EPA REGIONAL COMMITMENTS. OSC SPURLIN RESUMED AS OSC.

1050 TAT McKEEN & Cole MADE LEVEL 'B' ENTRY TO SAMPLE FIRST DRUM WHILE TAT BENFIELD ON BACKUP. OBTAINED 1ST SAMPLE WITH GLASS DRUM THIEF AND PUT INTO 8 OZ WIDE MOUTH GLASS JAR. TO PREVENT CROSS-CONTAMINATION - NEW, CLEAN DRUM THIEFS WERE UTILIZED FOR EACH DRUM AND ALSO FRESH SURGICAL GLOVES WERE CHANGED BETWEEN SAMPLES. EACH SAMPLE AND DRUM WAS DOCUMENTED ON INDIVIDUAL DRUMS LOGS WHICH INCLUDED TIME TAKEN, CONTENTS OF

EACH DRUM AND INSTRUMENTATION READING IF ANY.
<COPIES OF THESE DRUM LOGS CAN BE FOUND IN THE SITE FILE>
1245 TAT OUT OF HOT ZONE
14 DRUMS SAMPLED THIS AM. DRUM NO. D11 COULD NOT BE SAMPLED AS THE MATERIAL WAS SOLIDIFIED. THIS DRUM OF PARTICULAR CONCERN TO NEIC SINCE LABELLED HUNT TEXILE CO. - 530 PERMALUME ATLANTA GA.
1230 Brake for LUNCH AND TO GET AIR BOTTLE Filled to complete sampling. WENT TO DEKALB STATION NO. 22 AND GOT BOTTLE filled.
1400 BACK ON-SITE. OSC Jim Webster on site to relieve OSC Sparkin. NEIC STILL ON SITE ALSO.
1445 Commenced sampling with Drum No. D16.
1550 Came upon Drum labelled with (D29) HUNT TEXTILE CHEMICAL CO. AGAIN NEIC concerned. THIS DRUM OVERTURNED AND BUNG REMOVED. CONTENTS HAD spilled onto GROUND. STICKY PINK MATERIAL. Drum NOW EMPTY. OBTAINED OVA READINGS 300 ppm. Proceeded through REMAINDER OF DRUMS (35 IN ALL)
1730 TOOK NEW 55 GAL 17-H DRUM FROM TAT VEHICLE AND shovelled MATERIAL spilled on GROUND FROM D29 AND GENERATED D36.

1800 TAT THEN COVERED ALL DRUMS WITH VISQUEEN AND PLACED BANNER GUARD AROUND THEM.

1815 BEGAN DECONTAMINATION AND CLEANING AND PREPPING SAMPLES FOR SHIPMENT. TAT AND OSC COMPLETED CHAIN-OF-CUSTODY AND CUSTODY SEALS ON ALL SAMPLES AS PER EPA SOP. SAMPLES PLACED INTO 1 GALLON PAINT CANS WITH VERMICULITE FOR SHIPMENT TO CAD.

IN ALL 29 SAMPLES OBTAINED FOR COMPATIBILITY (8 OZ).

3 DRUMS (D10, D32, D33) SELECTED FOR SAMPLING IN 16 OZ JAR, & 2-40 ml VIA FOR TARGET COMPOUND LIST ANALYSIS. THESE WERE SELECTED BASED ON ELEVATED ORGANIC VAPOR READINGS AND FINAL SELECTION APPROVED BY OSC WEBSTER.

2010 COMPLETED SAMPLING PACKAGING AND ALL PERSONNEL OFFSITE.

2045 TAT ARRIVED BACK AT ATLANTA TAT OFFICE TO UNPACK EQUIPMENT. SAMPLES STORED IN LOCKED EQUIPMENT ROOM IN COOLER ON ICE UNTIL FINAL LABORATORY ARRANGED TOMORROW.

Rachel P. McAllen

Rachel P. McAllen

11 JANUARY 1990

29 COMPATIBILITY ANALYSIS ARKANSAS WITH ACURA LABS IN ATLANTA. —

1100 TAT McKEEN SIGNED OVER CHAIN-of-CUSTODY FOR THE 3 SAMPLES GOING TO EID IN ATLANTA TO TAT M. Millan.

1115 TAT Millan DEPARTED ATLANTA WITH SAMPLES FOR ATHENS, GA. —

1345 TAT McKEEN SIGNED OVER CHAIN-of-CUSTODY TO TAT Bayfield THE 29 SAMPLES FOR COMPATIBILITY ANALYSIS. Samples DRIVEN TO ACURA LABS for ANALYSIS. —

[illegible] M. Millan

25 April 90.

0830 TAT Member Dunbar and Laquinte Depart the TAT office Enroute. Montreal Court drum site.

0915 TAT arrived on site and observed that most of the drum were uncovered and need recovering. TAT calibrated the CGI and HNU-P.I.D.

0930 Both TATs Dress out in level "C" PPE with GMC-H Type Respirator cartridges. TAT carried out Entry into the drum area and conducted Realtime air monitoring around and above the drum opening. No reading above background were obtain out side the Head space or just above outside the drum openings. TAT carried out photo documentation.

0948 TAT Began recovering the drums with the Visqueen at the site. Most of the previously used visqueen was tornorm and in good condition which contrary to wind and/or weather removing the Visqueen covers.

1010 TAT complete Recovering the Drums and continue photo documentation

1015 TAT Dressed down from level "C" and began securing equipment for departure.

1030 While removing the film from the camera, it was observed that the camera may have Mechanicaly fail and the Quality of the ~~the~~ photo was uncertain.

25 April 90.

1100 Tat had demobed from the site and OSC Spurlin was notified of site activities.

Scott Dunbar
25 April 90.

23 May 1990

1130 TAT Benfield leaves Atlanta TAT Office for site to meet ERCS crew to resample drums for disposal options.

1200 Arrive on-site. ERCS crew is on-site. TAT discusses safety with crew and tells them of the previous visit. RM Paul Street and Division Manager Dave Lee, TAT discuss drum logs that were taken at previous site. ERCS prepares to go in and sample the drums in Level C with drum logs in hand. Will be careful and watch closely for breakthrough.

1230 ERCS crew of 3 samplers goes in with 2 others remaining out to prepare sampling equipment and sampling transporting equipment.

1300 RM Street splits open Drum #11 because it will not open with drum bung.

1330 Drum #37 is a blue, empty drum. Drum #36 is full of rainwater. Drum #36, which contains soil/sludge that was contaminated from Drum #29, has a PCB label on it which has an 'X' through the label. ERCS continues to sample the drums and find all numbered drums.

1345 ERCS crew begins covering drums individually with visqueen and securing them with duct tape. Also, put out "Caution" yellow tape around the entire area.

1400 ERCS crew completes sampling of drums.

Remove Level "C" PPE ~~and~~ VB Begin to pack-up area.

1420 Clean-up samples for packaging for transporting to the laboratory. Manager Lee and IORT leave site.

1430 OSC Spurlin arrives on-site. He talks with RM Street regarding the day's events and the necessity for a quick overpacking of the drums. ERCS RM Street weighs the pros and cons of overpacking the drums before bulking versus the bulking before - VB overpacking idea. RM Street ~~recomends~~ recommends immediate overpacking of the individual drums. OSC Spurlin calls OHM T. Mears to discuss the major pricing differences between the 2 processes.

1450 ERCS continues labeling and packing samples.

155 TH, OSC Spurlin and RM Street ride over to the back area of the property to look at an area where OHM had spotted some drums while looking for the site.

The area has 3 drums in a small ravine. 2 drums appear to be a type of petroleum product. 1 is labeled NAPA, the other is labeled Marmac Corporation. OSC Spurlin sets one upright that is leaking slightly. The greatest concern is the water running in the ravine. It is

a milky-white color with a soapy-appearance. OSC Spurlin states that it appears/looks like a latex product. RM Street states that at 1200 hrs, when OHM first spotted the drums, the water was clear and didn't have the appearance that it currently has. We walk up the stream about 500 yds and are unable to find the source. OSC Spurlin says that he will follow-up on this problem.

1545 Return to the site of the drums and talk about returning to the site on 29 May 1990 (Tuesday), to overpack the drums. ERCS Crew, TAT (Benfield) and possibly OSC Spurlin will return early Tuesday morning to the site. ERCS completes labeling of samples. RM Street tells OSC Spurlin that they (ERCS crew) brought 2 extra people for training purposes and that the 2 people will not be chargeable to today's 1900-55s. OSC Spurlin says that this is fine.

1600 TAT, OSC, ERCS depart site.

Vicki J. Benfield
23 May 1990

30 May 1990

0930 TAT arrives on-site. ERCS crew, OSC Spurlin on-site. ERCS crew is setting up area in preparation for overpacking of drums. RM Street states that the back-hoe trailer has a flat tire and that they are waiting for a man from Firestone to come out to the Covington Shop to fix it.

1000 After brief safety meeting held, the ERCS crew of E.O. Todd Robinson, RT Jeff Gutkenecht and RT Travis dress in Level C PPE to get started on finding the 9 drums that will be overpacked and redoing the drum logs for those particular drums only. The backhoe is suppose to arrive by 1100 hrs.

1015 Robinson and Gutkenecht go in Level C PPE. Begin the new drum logs

1045 RT Travis goes in to help. RM Street calls shop to check on the backhoe which should arrive at 1100. ERCS crew continues overpacking and making new drum logs.

1115 ERCS crew comes out of Level C and takes a short break. Waiting on backhoe still. ERCS crew fills out formal drum logs on the 9 drums.

1145 Backhoe arrives via HERTZ rental truck. RM Street discusses the necessity of sending one crew member to AVB Doraville to pick up the bungs/rings/drums from a wholesale saler to

replace the ones that he took out of the Storehouse in Covington for this job. OSC Spurlin tells RM to check on the shipping costs for the materials instead of picking them up. RM Street and OSC Spurlin decide that shipping the items would be more cost effective after RM Street checks on the cost of shipping.

* 1200 ERCS begins overpacking drums. The rate on the backhoe from Hertz is $42.50.

1230 ERCS continues overpacking the drums. OSC Spurlin and TAI Benfield find another drum behind the boxcar that is on-site. This particular drum appears to be waste oil that probably belongs to one of the companies on the property (i.e. drilling firm, bus repair service) OSC Spurlin asks TAI Benfield to call the Atlanta TAI office and send someone out with sampling equipment so ERCS can sample the liquid. In the meantime OSC Spurlin attempts to find the party responsible for the drum of oil. OSC Spurlin orders ERCS to sample the material and to have it delivered to the laboratory and overpack the drum of oil (30 gallon drum).

1245 OSC Spurlin off-site, ERCS crew complete overpacking of 9 drums. RM Street and F.O. Robinson go to small

creek that runs behind the 2 buildings at the North end of the property. The creek has 3 drums in it that appear to contain petroleum products. RM Street and E.O. Robinson upright the drums on the bank of the stream to keep them from leaking. Other 2 ERCS men cover the remaining drums with visqueen and secure them with duct tape.

1300 TAT McKeen arrives with sample jar for ERCS to sample drum. RM Street and E.O. Robinson sample drum and overpack it while other 2 ERCS crew members start to pack up the equipment.

1345 ERCS Crew completes overpacking drum staging, securing the area with "CAUTION" tape and packing up their equipment. RM Street contacts HERTZ Rental to pick up the backhoe.

1400 ERCS Crews off-site. RM Street is to deliver sample to laboratory.

1415 TAT off-site after completing log book and taking pictures.

Accomplishments:

Overpacked drums #9

Overpacked new drum. Sampled newfound drum.

Vicki S. Benfield

5/30/90

JULY 6, 1990

0815 TAT McKEEN ON SITE TO DOCUMENT THE REMOVAL OF THE DRUMS OFF SITE FOR FINAL DISPOSAL. ALL DRUMS APPEAR TO BE SECURE.

0845 OHM CORP PROJECT MANAGER, JEFF GUTKNECHT, ARRIVED ON SITE.

0900 MKC ENTERPRISE, INC. ARRIVED ON SITE WITH BOX TRUCK AND 2 PERSONNEL TO HAUL AWAY DRUMS

0905 OSC SPURLIN ON SITE TO DIRECT REMOVAL OF THE DRUMS AND COORDINATE THE REMOVAL OF THE EIGHT NUMBERED DRUMS.
AT THIS POINT ONLY NINE DRUMS DRUMS HAVE BEEN DETERMINED TO BE HAZARDOUS AND THUS TAKEN TO MKC TSD FACILITY.

0915 MKC COMMENCED TO LOAD UP DRUM NUMBERS Ø3, Ø6, Ø4, 1Ø, 24, Ø9, 32, 33, 7.
DRUMS ALL LABELED FLAMMABLE LIQUID (D001) UN 1993.

0945 ALL DRUMS LOADED AND SECURED INTO TRUCK
OSC SIGNED UNIFORM HAZARDOUS WASTE MANIFEST NUMBER 90098 FOR SHIPMENT TO THE MKC TSD IN DONAVILLE UNTIL FINAL DISPOSAL ARRANGEMENTS ARE MADE.

1000 ALL PERSONNEL OFF SITE.
WEATHER: SUNNY TEMP 85°F.

Ralph P. McKeen

Ralph P. McKeen

27 September 1990
Weather- sunny temp in low 80's
1330 TAT Cole on site to document removal of drums from site.
Visqueen is not in place (shredded) on some of the drums
1415 OHM David Henderson on site to coordinate removal of 3 drums by MKC - 2 drums are going to BFI landfill and one drum for storage @ MKC TSD facility in Atlanta, GA.
1425 TAT & OHM Henderson attempts locate 3 over packs, can only locate one. (2) are apparently missing (#'s 11, 34) Henderson goes to TAS office to make phone call, he could not reach anyone TAT & Henderson walk perimeter of drum area, did not locate any more over packs.
1445 TAT Cole calls back to office and speaks with TAT McKeen about drums. on 7/6/90 all three o'packs were placed together and photo documented. TAT cole informs him that 2 of the drums are missing. OHM Henderson is making a log of all drum numbers still on site today.
1, 2, 5, 14, 13, 12, 15, 8, 38 (O pack)
11, 19, 16, 17, 18, 20, 22, 25, 29, 27, 28
37, 30, 26 ← empty
all plastic

1500 Henderson contacts OSC Regatti and OSC Shane Hitchcock about problem. MKC on site. Drum on site numbered (11) but is not overpacked and has hole in top.

1520 Mark Regatti spoke with OSC Hitchcock decision was made to leave all drums on site, OSC could not locate analytical on Drum #38 so it could not be taken.

1530 Site is photo documented as it appears today. ERCS, MKC, TAT depart site.

[illegible]
7-27-93

1 October 1990

0930 OSC Spurlin calls TAT Benfield and TAT Cole and discusses the events of Thursday, September 27, 1990. OSC Spurlin asks TAT Benfield to go to site and find 3 drums that were not located on 9/27/90.
Apparently, the OHM personnel and TAT Cole were looking for 3 overpacks and TAT Benfield believes that 2 of the drums (#11, 34) are not in overpacks.
0935 TAT leaves for site.
1015 TAT on-site. TAT finds Drum #11
A) Not overpacked.
B) Hole in the top, which appears to have come from an ax which was a result of the ERCS sampling
C) Rusty, poor condition
D) Leaf litter, no visqueen.

Drum #34
A) Lid on tight.
B) Drum in okay condition.
C) Not overpacked

Drum #38
Overpacked
No signs of tampering.
1045 TAT off-site.

Vicki Benfield
10/1/90

4 October 1990

0900 TAT on-site. OHM Person on site - David Henderson. ERCS crew en route.

0930 ERCS on-site with backhoe.

0940 Transporter on-site.
ERCS Crew: RM Randy Bennett and E.O. Todd Robinson off load backhoe and overpacks (2).

0945 ERCS Crew of 3 overpack 3 drums and load them into MKC truck.

1020 TAT, ERCS, MKC off-site.

Vicki S. Penfield
10/4/90

ATTACHMENT H

Site Safety Plan

SITE SAFETY PLAN AMENDMENT # 2 :

SITE NAME: Montreal Court Drum

DATE: 5/23/90

TYPE OF AMENDMENT: PPE Downgrade.

REASON FOR AMENDMENT: Based on analytical data and the task to be performed, documentation of ERCS crew working and Photo-taking, Level D PPE would be sufficient.

ALTERNATE SAFEGUARD PROCEDURES:

REQUIRED CHANGES IN PPE: Level "D".

ERCS Response Manager	(Date)	ERCS Safety Officer	(Date)
Vicki L. Benfield	5/23/90	Kathleen M. Kennedy	5/23/90
Weston Lead TAT Member	(Date)	Weston RSO	(Date)
U.S. EPA OSC	(Date)	U.S. EPA Safety Officer	(Date)

SITE SAFETY PLAN AMENDMENT # 1 :

SITE NAME: MONTREAL CT DRUM

DATE: 4/24/90

TYPE OF AMENDMENT: PPE Downgrade.

REASON FOR AMENDMENT: Base on analytical data and Real-time air monitoring and task to be preformed: Recover Drums with Visqueen and take photos

ALTERNATE SAFEGUARD PROCEDURES:

REQUIRED CHANGES IN PPE: Level "C" APR- with GMC-H cartridges

ERCS Response Manager	(Date)	ERCS Safety Officer	(Date)
Weston Lead TAT Member	(Date)	Weston RSO Kathleen M. Kenny	24 April 90 (Date)
U.S. EPA OSC	(Date)	U.S. EPA Safety Officer	(Date)

WESTON SPER DIVISION
HAZARDOUS WASTE SITE INVESTIGATION AND EMERGENCY RESPONSE
HEALTH AND SAFETY PLAN

U.S. EPA CONTACT: Steve Spurlin
Date of Inspection: 1/10/90 Time: 0900 TDD No. 04-9001-08
Original Safety Plan: Yes ✓ No ____ PCS No. 2987
Amendment/Modification No. ____

SITE SAFETY COORDINATOR: R. McKee

Site Name: Montreal Court Drum

Site Address: Street No. 1804 Montreal Ct.
City Tucker
County DeKalb
State GA Zip Code 30345

Site Contact: ____ Phone ____

Directions to Site: (Attach Map) from TAT Office: 85N to LaVista Rd. exit East to Montreal Rd, south to Montreal Circle which turns to Montreal Ct.

SITE HISTORY: ____

INCIDENT DESCRIPTION

TYPE: A) Spill___ Air Release___ Fire___ HW Site___ Other___
B) Assessment ✓ Sampling ✓ Emergency Response___
Clean-up/Removal___ Other___ (specify)
C) Urban/Residential___ Commercial___ Industrial ✓
Rural___ Remote___

PERSONNEL PHYSICAL SAFETY HAZARDOUS:

Heat___ Cold X Noise___ Underground Utilities___
Overhead Utilities___ Heavy Equipment___ Slip, Trip, Fall X
Confined Spaces___ Pressurized Airlines___ Explosive___
Ladders___ Scaffolds___ Unguarded Openings, Walls, Floors___
Liquids in Open Containers, Ponds/Lagoons X
Other ____

CHEMICAL CONTAMINANTS OF CONCERN

CONTAMINANT	TLV PEL	IDLH	PHYSICAL CHARACTERISTICS	ROUTE OF EXPOSURE	SYMPTOMS OF ACUTE EXPOSURE	FIRST AID	INSTRUMENTS TO DETECT
Unknown organics suspected: coatings and paint related materials							Rad meter OVA CGI HNU

Description of Decontamination To Be Used: Alconox & Water

SPECIFY PPE TYPE

TASK TO BE PERFORMED	ANTIC. LEVEL OF PROTECT.	COVERALL	GLOVE IN/OUT.	AIR PURIF RESPIRATO CART/CANN
Drum Sampling	B	Saranex	Latex/~~Viton~~/~~Silver~~ Butyl/Silver Shield	SCBA
Soil excavating	B	"	or Viton	" "

Anticipated Monitoring

Radiation Meter [X] CGI [X] HNU [X] (weather permitting) 10.2 11.7 eV Probe OVA [X]

Detector Tube [ ] _____ Other _____

EMERGENCY PHONE NUMBERS: LOCATION PHONE NOTIFIED

FIRE 911

POLICE 911

AMBULANCE 911

HOSPITAL Dekalb Medical Center 297-5350 - Emergency "MS Mahoney"

CHEMICAL TRAUMA CAPABILITY? Yes

DIRECTIONS TO HOSPITAL: (ATTACH MAP) RTE. VERIFIED BY J.C. DATE 1/4/89

Dekalb Medical Center - Take Montreal Court south to Fern Drive Left on Fern Dr to Lawrenceville Hwy (U.S 29), Right on U.S 29 (South) to U.S 29 (Business Rt) Left Fork @ Scott Blvd intersections Left onto N. Decatur Rd Rt turn into hospital (See attached map - highlighted in yellow)

ADDITIONAL EMERGENCY PHONE CONTACTS:

CHEMTREC	(800) 424-9300
TSCA HOTLINE	(800) 424-9065, (202) 544-1404
ATSDR	(DAY) (404) 329-2888
	(NIGHT) (404) 566-7777
AT & F (EXPLOSIVES INFO.)	(800) 424-9555
NATIONAL RESPONSE CENTER	(800) 424-8802
WESTON MEDICAL EMERGENCY SERVICE	(513) 421-3063
WESTON 24 HOUR HOTLINE	(215) 524-1925, 1926
PESTICIDE INFORMATION SERVICE	(800) 845-7633
EPA ERT EMERGENCY	(201) 321-6660
RCRA HOTLINE	(800) 424-9346
CMA CHEMICAL REFERRAL CENTER	(800) 262-8200
NATIONAL POISON CONTROL CENTER	(800) 942-5969
U.S. DOT	(202) 366-0656 (Day only)

Prepared by: [signature] Date: 1/4/~~89~~ 90

Pre-Response Approval by: KMK Date: 1/4/90

TDD# 04-9001-08 PCS# 2987

OBSERVED CONDITIONS/ACTIVITIES

Describe Initial Conditions (Source/Type/Quantity): Site consists of approximately 35 drums scattered throughout the 1/3 acre property. Two local businesses (drilling company & auto shop) adjacent to the property. Most of the drums are upright and appear to be in fair condition. However, some have open tops (none or rusted). According to NEIC representative on-scene, the drums came from a company located up the road on Mountain

DOCUMENTATION PERFORMED BY: Ralph McKeen / Jo Anna Cole / Vicki Benfield

Type: Photo X Log Book X Recorder ____ Video ____

PHYSICAL DESCRIPTION

Size of Site: 1/3 acre Topography Terrain: Flat Weather: Clear, warm high 50's

Distance to Nearest: Residence ____ School ____ Hospital ____

Public Building 50' Other ____

Evacuation: Yes ____ No X Number ____ By Whom ____

Nearest Waterway: ____ Distance: ____

Condition	Observed	Potential	None
Surface Water Contamination		✓	
Ground Water Contamination		✓	
Drinking Water Contamination		✓	✓
Air Contamination		✓	
Soil Contamination	✓		
Stressed Vegetation			✓
Dead Fish, Other Animals			✓

ACTIONS TAKEN ON SITE: (Attach Map of Site Control Zones)

Was Entry Made by TAT: YES X NO ____

TASK CONDUCTED: Describe Specific PPE Used and Why

Air monitoring - Initial entry made in Level 'B' with rad meter CGI and OVA

Sampling - Level 'B' instrumentation detected organic vapors.

AIR MONITORING LOG

OVA Calibration 77 ppm C2H4
HNU Calibration Not Functional – Also Broken Approved use of OVA only
OGI Calibration 15% O2 50% LEL

Background O_2 20.5%
Organics 2 ppm OVA
Radiation .02 mR/hr

20.5% O2
OGI 0% LEL

(ATTACH CALIBRATION DATA TO LOG)

SITE NAME Montreal Court

STATION/ LOCATION	DATE	TIME	NAME OF AIR MONITOR	TYPE OF EQUIPMENT (HNU(PROBE/SPAN), OGI, OVA, RAD MTR	READING	SUMMARY/COMMENTS
Perimeter	1/10/90	1100	McKeen, Cole	OVA Rad Meter CGI	3 ppm .02 mR/hr 20% O2 0% LEL	These levels represent beyond headspace of each drum. Individual drum readings at each is similar.
Drum D01	1/10/90	1050	McKeen	OVA CGI	2 ppm 20% O2, 0% LEL	
Drum D02	1/10/90	1053	McKeen	OVA CGI	3 ppm 20% O2, 0% LEL	
Drum D03	1/10/90	1055	McKeen	OVA CGI	3 ppm 20% O2 0% LEL	
Drum D04	1/10/90	1120	McKeen	OVA CGI	>1000 ppm 20% O2 0% LEL	OFF SCALE ON X/100
Drum D05	1/10/90	1130	McKeen	OVA CGI	2 ppm 20% O2 0% LEL	
D06	1/10/90	1145	McKeen	OVA CGI	3 ppm 20% O2 0% LEL	
D07	1/10/90	1155	McKeen	OVA CGI	3 ppm 20% O2 0% LEL	
D08	1/10/90	1200	McKeen	OVA CGI	2 ppm 20% O2 0% LEL	
D09	1/10/90	1210	McKeen	OVA CGI	9 ppm 20.5% O2 0% LEL	
D10	1/10/90	1225	McKeen	OVA CGI	>1000 ppm [illegible] LEL	OFF SCALE ON [illegible]

AIR MONITORING LOG

OVA Calibration _____
HNU Calibration _____
OGI Calibration _____

Background O_2 _____
Organics _____
Radiation _____

PAGE 2

OGI _____

(ATTACH CALIBRATION DATA TO LOG)

SITE NAME MONTREAL COURT

STATION/ LOCATION	DATE	TIME	NAME OF AIR MONITOR	TYPE OF EQUIPMENT (HNU(PROBE/SPAN), OGI, OVA, RAD MTR	READING	SUMMARY/COMMENTS
P11	1/10/90	1230	McKEEN	OVA OGI	2 PPM 20 O_2 0% LEL	
P12	1/10/90	1235	McKEEN	OVA OGI	3 PPM 20.5 O_2 0% LEL	
P13	1/10/90	1240	McKEEN	OVA OGI	2 PPM 20 O_2 0% LEL	
P14	1/10/90	1245	McKEEN	OVA OGI	1 PPM 20% O_2 0% LEL	
P15	1/10/90	1246	McKEEN	OVA OGI	2 PPM 20.5 O_2 0 LEL	
P16	1/10/90	1445	McKEEN	OVA OGI	2 PPM 20 O_2 0 LEL	
P17	1/10/90	1455	McKEEN	OVA OGI	3 PPM 20.5 O_2 0 LEL	
P18	1/10/90	1500	McKEEN	OVA OGI	2 PPM 20.5 O_2 0 LEL	
P19	1/10/90	1505	McKEEN	OVA OGI	2 PPM 20 O_2 0 LEL	
P20	1/10/90	1510	McKEEN	OVA OGI	2 PPM 20 O_2 0 LEL	
P21	1/10/90	1516	McKEEN	OVA OGI	3 PPM 20.5 O_2 0 LEL	
P24	1/10/90	1535	McKEEN	OVA OGI	2 PPM 20 O_2 0 LEL	

U.S. EPA REGION IV

SDMS

POOR LEGIBILITY

PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL

*PLEASE CONTACT THE APPROPRIATE RECORDS CENTER TO VIEW THE MATERIAL

AIR MONITORING LOG

OVA Calibration _____
HNU Calibration _____
CGI Calibration _____

Background O_2 _____
Organics _____
Radiation _____

PAGE 3

CGI _____

(ATTACH CALIBRATION DATA TO LOG)

SITE NAME MONTREAL COVERT

STATION/ LOCATION	DATE	TIME	NAME OF AIR MONITOR	TYPE OF EQUIPMENT (HNU(PROBE/SPAN), CGI, OVA, RAD MTR	READING	SUMMARY/COMMENTS
P25	1/10/90	1538	McKEEN	OVA CGI	2 PPM 20.5 O2 0% LEL	
P26	1/10/90	1510	McKEEN	OVA CGI	—	DRUM EMPTY
P31	1/10/90	1600	McKEEN	OVA CGI	3 PPM 20.5 O2 0% LEL	
P32	1/10/90	1610	McKEEN	OVA CGI	> 1000 PPM 20% O2 0% LEL	OFF SCALE ON NOW
P33	1/10/90	1615	McKEEN	OVA	40 PPM	
P34	1/10/90	1630	McKEEN	OVA	2 PPM	
P35	1/10/90	1640	McKEEN	OVA	3 PPM	
P36	1/10/90	1730	McKEEN	OVA	300 PPM	SLUDGE/SOIL FROM DRUM DIG

SAMPLING: CONDUCTED? YES X NO ____

If Yes, Describe Sampling Method [illegible]

Has Lab Been Notified of Potential Hazard Level? Yes X No ___ NA ___

Note: This Health and Safety Plan was prepared for work to be conducted under the Technical Assistance Team (TAT) Contract 68-01-7367 Zone 1. Use of this plan by WESTON and its subcontractors on the TAT contract is intended to fulfill the OSHA requirements found in 29 CFR 1910.120. Items not specifically covered in this plan are included by reference to 29 CFR 1910 and 1926.

I have read and understand this safety plan.

NAME (PRINTED)	SIGNATURE	AFFILIATION	DATE
Vicki Benfield	Vicki S. Benfield	TAT	1/10/90
RALPH P. McKEEN	Ralph P. McKeen	TAT	1/10/90
Jo Anna Cole	Jo Cole	TAT	1/10/90
Scott Dunbar	Scott Dunbar	TAT	4/25/90
F. K. Laguarte	Keith Laguarte	TAT	4/25/90

Final Submission of Plan by Ralph P. McKeen Date 1/25/90

Post Response Approval ____ Date ____

Copy to ZPMO ____ Date ____

SPER HSO Reviewed by: ____ Date: ____
Followup Required: Yes ___ No ___
Followup Performed: Date: ____ With: ____
Comments: ____

JOB SAFETY & HEALTH PROTECTION

The Occupational Safety and Health Act of 1970 provides job safety and health protection for workers by promoting safe and healthful working conditions throughout the Nation. Requirements of the Act include the following:

Employers

All employers must furnish to employees employment and a place of employment free from recognized hazards that are causing or are likely to cause death or serious harm to employees. Employers must comply with occupational safety and health standards issued under the Act.

Employees

Employees must comply with all occupational safety and health standards, rules, regulations and orders issued under the Act that apply to their own actions and conduct on the job.

The Occupational Safety and Health Administration (OSHA) of the U.S. Department of Labor has the primary responsibility for administering the Act. OSHA issues occupational safety and health standards, and its Compliance Safety and Health Officers conduct jobsite inspections to help ensure compliance with the Act.

Inspection

The Act requires that a representative of the employer and a representative authorized by the employees be given an opportunity to accompany the OSHA inspector for the purpose of aiding the inspection.

Where there is no authorized employee representative, the OSHA Compliance Officer must consult with a reasonable number of employees concerning safety and health conditions in the workplace.

Complaint

Employees or their representatives have the right to file a complaint with the nearest OSHA office requesting an inspection if they believe unsafe or unhealthful conditions exist in their workplace. OSHA will withhold, on request, names of employees complaining.

The Act provides that employees may not be discharged or discriminated against in any way for filing safety and health complaints or for otherwise exercising their rights under the Act.

Employees who believe they have been discriminated against may file a complaint with their nearest OSHA office within 30 days of the alleged discrimination.

Citation

If upon inspection OSHA believes an employer has violated the Act, a citation alleging such violations will be issued to the employer. Each citation will specify a time period within which the alleged violation must be corrected.

The OSHA citation must be prominently displayed at or near the place of alleged violation for three days, or until it is corrected, whichever is later, to warn employees of dangers that may exist there.

Proposed Penalty

The Act provides for mandatory penalties against employers of up to $1,000 for each serious violation and for optional penalties of up to $1,000 for each nonserious violation. Penalties of up to $1,000 per day may be proposed for failure to correct violations within the proposed time period. Also, any employer who willfully or repeatedly violates the Act may be assessed penalties of up to $10,000 for each such violation.

Criminal penalties are also provided for in the Act. Any willful violation resulting in death of an employee, upon conviction, is punishable by a fine of not more than $10,000, or by imprisonment for not more than six months, or by both. Conviction of an employer after a first conviction doubles these maximum penalties.

Voluntary Activity

While providing penalties for violations, the Act also encourages efforts by labor and management, before an OSHA inspection, to reduce workplace hazards voluntarily and to develop and improve safety and health programs in all workplaces and industries. OSHA's Voluntary Protection Programs recognize outstanding efforts of this nature.

Such voluntary action should initially focus on the identification and elimination of hazards that could cause death, injury, or illness to employees and supervisors. There are many public and private organizations that can provide information and assistance in this effort, if requested. Also, your local OSHA office can provide considerable help and advice on solving safety and health problems or can refer you to other sources for help such as training.

Consultation

Free consultative assistance, without citation or penalty, is available to employers, on request, through OSHA supported programs in most State departments of labor or health.

More Information

Additional information and copies of the Act, specific OSHA safety and health standards, and other applicable regulations may be obtained from your employer or from the nearest OSHA Regional Office in the following locations:

Atlanta, Georgia
Boston, Massachusetts
Chicago, Illinois
Dallas, Texas
Denver, Colorado
Kansas City, Missouri
New York, New York
Philadelphia, Pennsylvania
San Francisco, California
Seattle, Washington

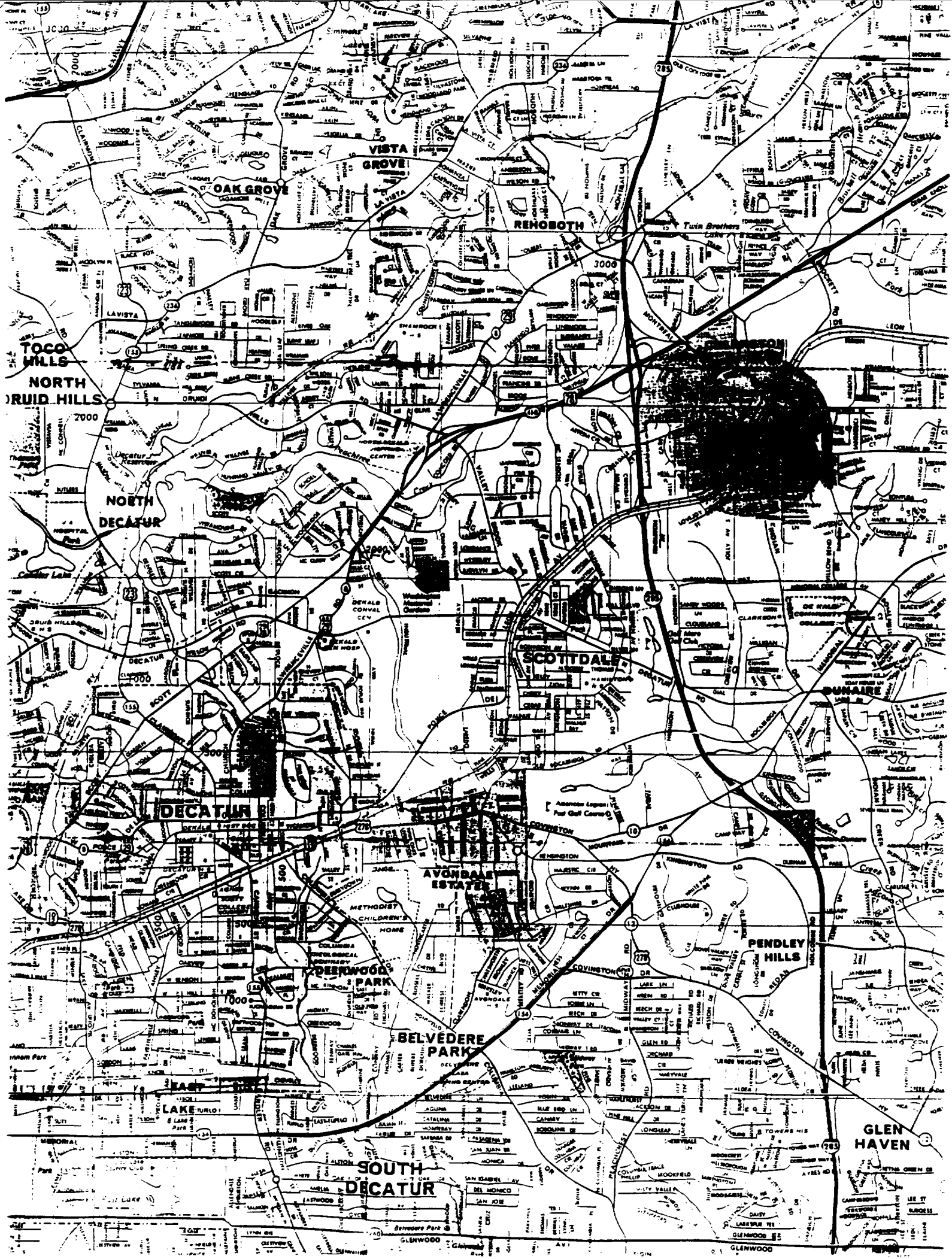
Telephone numbers for these offices, and additional area office locations, are listed in the telephone directory under the United States Department of Labor in the United States Government listing.

Washington, D.C.
1985
OSHA 2203

William E. Brock, Secretary of Labor

U.S. Department of Labor
Occupational Safety and Health Administration

Under provisions of Title 29, Code of Federal Regulations, Part 1903.2(a)(1) employers must post this notice (or a facsimile) in a conspicuous place where notices to employees are customarily posted.


VISTA GROVE
OAK GROVE
REHOBOTH
TOCO HILLS
NORTH DRUID HILLS
NORTH DECATUR
SCOTTDALE
DUNAIRE
DECATUR
AVONDALE ESTATES
PENDLEY HILLS
DEERWOOD PARK
BELVEDERE PARK
LAKE
SOUTH DECATUR
GLEN HAVEN

4

VICTOREEN RAD METER
EPA # 190571 SN - 533M

	BATT.	SOURCE CHECK	PCS	NAME
11/22/89	OFFICE OK	200-210 C/M X 10	0012	Dubois
11/27/89	OFC OK	230 CPM X 10	0012	Hudgins
12/6/89	OK	300-350 CPM X 10	0012	WALTERS
12/13/89	OK	300 cpm X 10 MED.	0012	SCHILLING
12/20/89	OK	300 CPM X 10 MED open	0012	DuBois
1/10/90	OK	300 CPM X 10 open	2987	Cole
1/19/90	OK	300 CPM X 10 open	3006	Benfield
2/6/90	OK	250-350 cpm X 10 open	3037	[illegible]