

# Georgia Department of Natural Resources

2 Martin Luther King Jr. Drive, S.E., Suite 1462 East, Atlanta, Georgia 30334

Mark Williams, Commissioner

Environmental Protection Division

F. Allen Barnes, Director

Land Protection Branch

Office 404/657-8600

September 1, 2011

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

Mr. Franklin Hill, Director  
U.S. Environmental Protection Agency  
Superfund Division  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, GA 30303-8960

**COPY**

Re: Statesboro Highway Creosote Site  
HSI # 10827, Tax Parcel Map # 042; Parcel ID: 011  
6476 Statesboro Highway  
Sylvania, Screven County, Georgia

Dear Mr. Hill:

The purpose of this letter is to request the removal and disposal of a creosote vat located at the above referenced property. Georgia Environmental Protection Division (EPD) personnel Montague M<sup>c</sup>Pherson responded to a complaint call on August 18, 2005 about a creosote pit located under an abandoned shack at the rear of the property at 6476 Statesboro Highway, Sylvania, Screven County, Georgia. A site visit was conducted at the above property owned by the Jeffers, as described in the attached trip report. The pit is an in-ground open tank approximately 25 feet by 4 feet by 4 feet and the depth of the creosote was estimated to be approximately one foot.

During the first site visit, Mrs. Jeffers explained that her father, who is deceased, used creosote to treat wood posts in the tank during the early sixties and that the posts were used for fences on the property. Mr. McPherson requested that the vessel be secured so that individuals, especially children, would not accidentally fall into the container. Soil and waste samples were taken, however, EPD's laboratory was only able to analyze soil samples due to concern that the viscosity of the waste samples would place the laboratory instruments in disrepair. In a subsequent visit, the open container was observed to be securely covered. The site was then scored and placed on EPD's Hazardous Site Inventory (HSI #10827). EPD planned to allocate funds from the Hazardous Waste Trust Fund for removal and disposal of the vessel and contents; however, these funds have since been exhausted. Mr. McPherson visited the site again on July 21, 2011 and confirmed that the vat is still present, as described in the attached trip report.

EPD requests that the EPA Emergency Response & Removal Branch conduct the appropriate removal action and any further investigation that may be necessary. Please provide a report on the removal and subsequent soil sampling to EPD's Response and Remediation Program. If you have any questions or need further information, please call Montague M<sup>c</sup>Pherson at 404-657-0483.

Sincerely,



Mark Smith, Chief  
Land Protection Branch

c: Jim McGuire, USEPA Emergency Response & Removal

USEPA Referral – Statesboro Highway Creosote Site  
Sylvania, Screven County, Georgia  
September 1, 2011  
Page 2

Encl: August 19, 2005 Trip Report; July 21, 2011 Trip Report  
Laboratory analytical results for soils  
File: HSI No. 10827  
S:\DRIVE\MONTMC\HSI\Jeffers Property\Referral Letter to EPA.doc

# Georgia Department of Natural Resources

2 Martin Luther King, Jr. Drive, S.E, Suite 1462 East, Atlanta, Georgia 30334

Mark Williams, Commissioner  
Environmental Protection Division  
F. Allen Barnes, Director  
Land Protection Branch  
Mark Smith, Branch Chief  
Office 404/657-8600

July 21, 2011

## TRIP REPORT

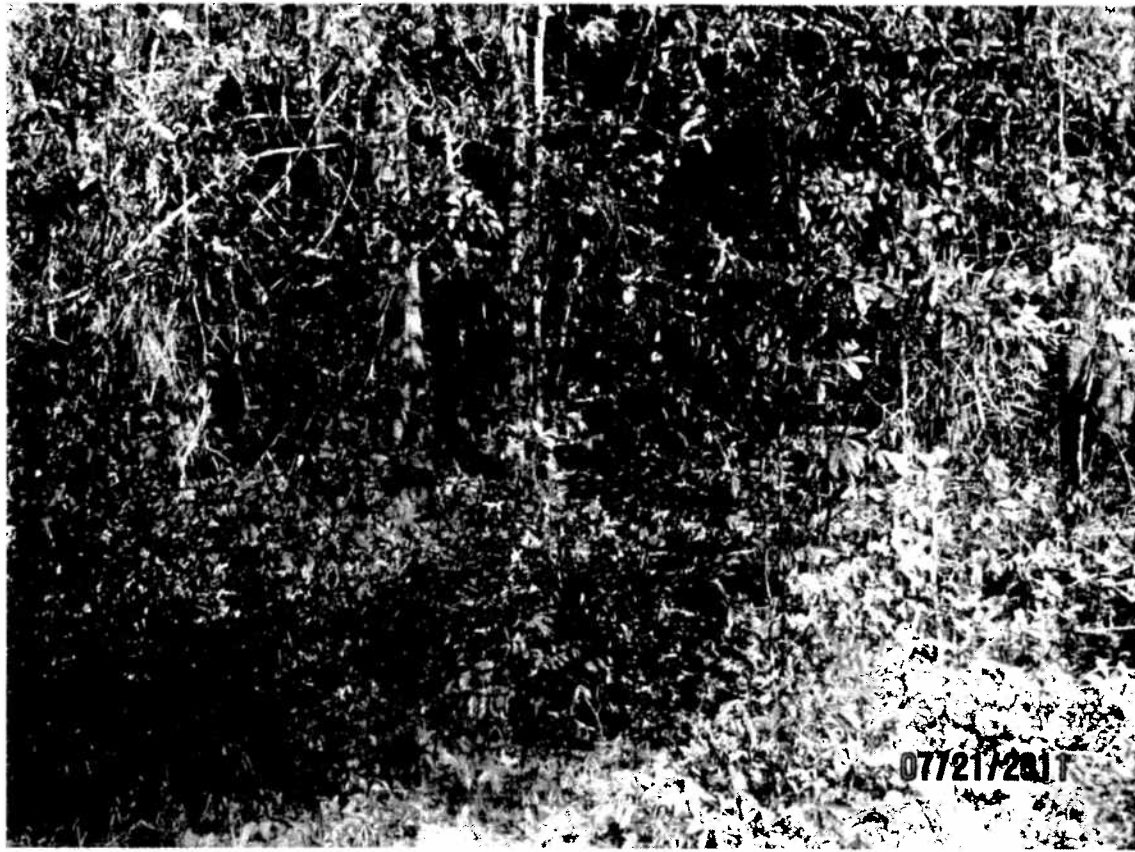
**Site Name**                Statetsboro Highway Creosote Site, HSI # 10827  
                                 (Jeffers Property)  
**and Location:**        6476 Statesboro Highway, Sylvania, Screven County  
  
**Trip By:**                Montague M<sup>C</sup>Pherson, Environmental Specialist *mmcp*  
                                 Response Development Unit, RRP  
  
**Date of Trip:**            July 21, 2011

### Comments:

A visit was made to the above referenced site in Sylvania to observe if the creosote pit was still secure as was last observed in September 2005. The site can be reached by taking Interstate 75 South to Highway 16 East at Exit 165 going towards Savannah. Take US-301/US-25, exit 116, towards Statesboro. Turn left at the exit and follow US-301/25 N/73 N. Turn right at US-301 N/GA-73 N/E Parrish Street and follow the highway for a few miles. Turn into the second residence (driveway) after the intersection of Statesboro Highway and GA-17 at 6476 Statesboro Highway.

The site was discovered due to a public complaint. There is an old abandoned shed behind the owner's house where the creosote pit is located. The pit is an in-ground open tank approximately 25 feet by 4 feet by 4 feet and contains creosote. On a previous visit I had advised Mrs. Jeffers to cover the bin securely to keep children from coming into contact with the waste until EPD evaluated the situation. I found on my second visit that the pit was securely covered. The liquid waste was about one foot deep in the tank.

I spoke to Mrs Jeffers, the property owner, before embarking on the July 21, 2011 visit to the above site. She informed me that the pit was still securely covered and had not been tampered with since my last visit. During my July 21, 2011 visit, the pit was observed to be covered and secure, see pictures.



Jeffers Property  
6476 Statesboro Highway  
Sylvania, Screven County

Date: July 21, 2011

Picture: 1 of 4

Photographer: M McPherson

Response and Remediation  
Program

Explanation: Pathway to abandoned shed barn at rear of residence.



Jeffers Property  
6476 Statesboro Highway  
Sylvania, Screven County

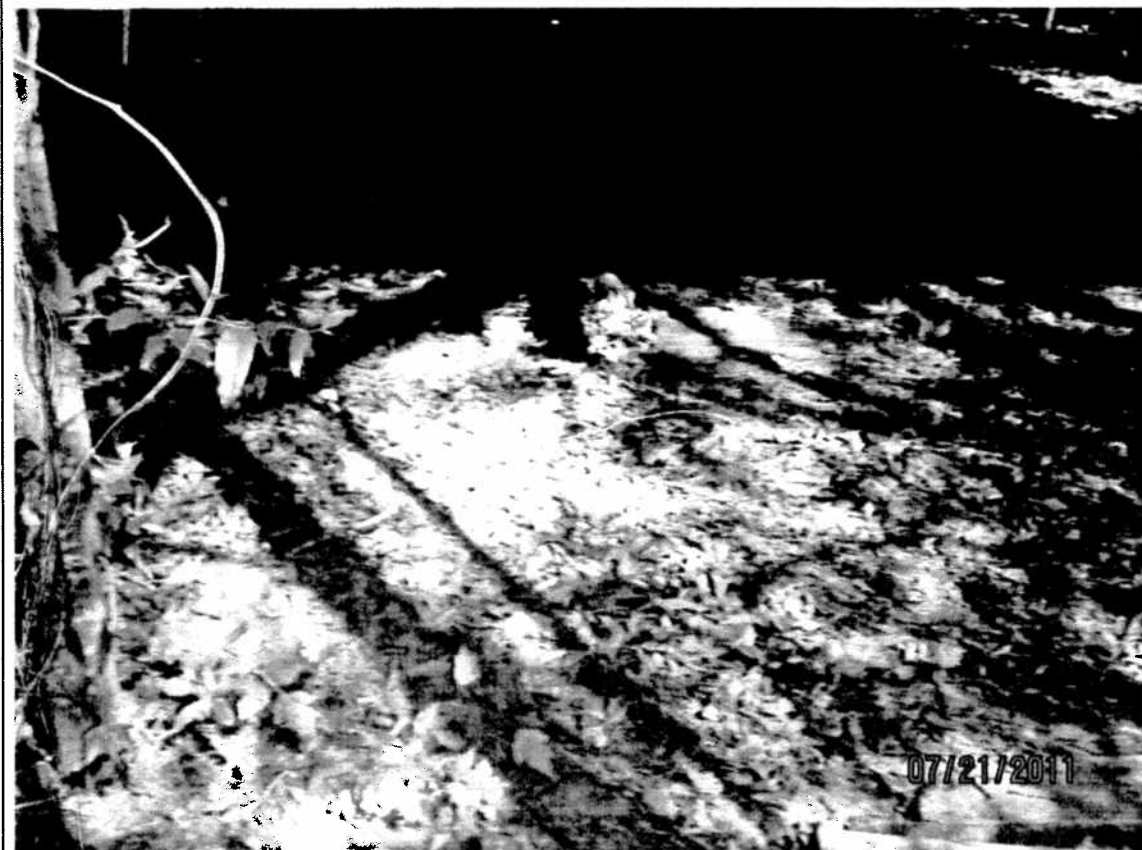
Date: July 21, 2011

Picture: 2 of 4

Photographer: M McPherson

Response and Remediation  
Program

Explanation: Picture of inside the abandoned shed barn showing covered pit.



Jeffers Property  
6476 Statesboro Highway  
Sylvania, Screven County

Date: July 21, 2011

Picture: 3 of 4

Photographer: M McPherson

Response and Remediation  
Program

Explanation: Closer view of covered pit.



Jeffers Property  
6476 Statesboro Highway  
Sylvania, Screven County

Date: Date: July 21, 2011

Picture: 4 of 4

Photographer: M McPherson

Response and Remediation  
Program

Explanation: Better view of covered pit inside the abandoned barn.

# Georgia Department of Natural Resources

2 Martin Luther King, Jr. Drive, S.E, Suite 1462 East, Atlanta, Georgia 30334

Noel Holcomb, Commissioner

Environmental Protection Division

Carol A. Couch, Ph.D., Director

Hazardous Waste Management Branch

404/657-8600

August 19, 2005

## TRIP REPORT

**Site Name** Jeffers Property  
**and Location:** 6476 Statesboro Highway, Sylvania, Screven County

**Trip By:** Montague M<sup>C</sup>Pherson, Environmental Specialist *mmp*  
Response Development Unit, HSRP

**Date of Trip:** August 18, 2005

### Comments:

A visit was made to the above referenced site in Sylvania on August 18, 2005 in response to a complaint about an old abandoned creosote pit. The site can be reached by taking Interstate 75 South to Highway 16 E at Exit 165 going towards Savannah. Take US-301/US-25, exit 116, towards Statesboro. Turn left at the exit and follow US-301/25 N/73 N. Turn right at US-301 N/GA-73 N/E Parrish Street and follow the highway for a few miles. Make a left onto GA-17/Statesboro Highway. The property is behind the church that is next to the Cedar Restaurant. The current owner of the property, Mrs. Sandra Jeffers, inherited the property from her parents.

On arrival, I was taken to an old abandoned shed behind the owner's house where the creosote pit is located. The pit is an in-ground open tank approximately 25 feet by 4 feet by 4 feet, see pictures. The tank contains a dark liquid waste with a naphthalene type of odor. Mrs. Jeffers explained that her father, who is deceased, used the creosote to treat wood posts in the tank during the early sixty's and that the posts were used for fences on the property. The liquid waste is about one foot deep in the tank. I advised Mrs. Jeffers to cover the tank securely to prevent children from coming into contact with the waste and until EPD evaluated the situation. The distance to the nearest residence other than the Jeffers is less than 300 feet at 152 Statesboro Highway in Sylvania.

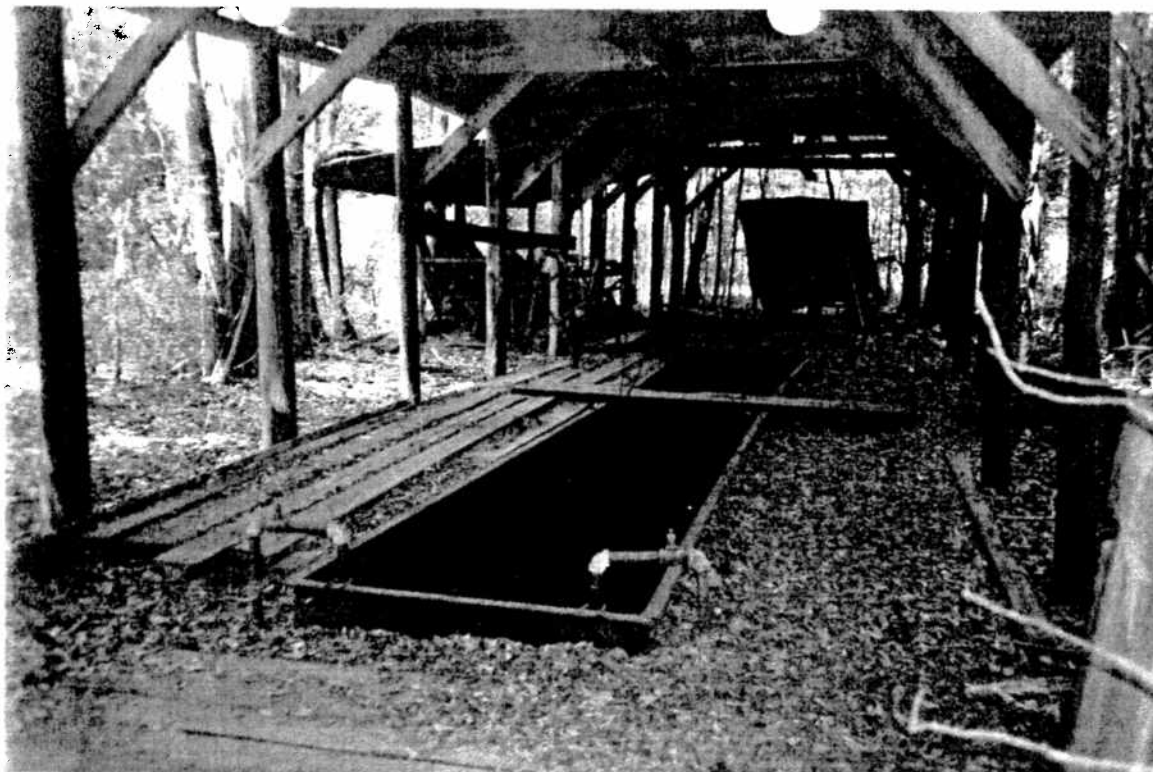
**Photographs:** 4

**Number Of Samples Taken:** None

**Reviewed By:** *JH*

**Date:** 12/13/05

S:\DRIVE\MONTMC\CDO\COMPLAIN\Jeffers Property\Trip Report.doc



**County:** Screven

**Picture 1 of 8**

**Site Name:** Jeffers Property

**Date:** August 18, 2005

**Photographer:** M M<sup>c</sup>Pherson

**Program:** Hazardous Site Response Program

**Explanation:** View at creosote tank under shed



**County:** Screven

**Picture 2 of 8**

**Site Name:** Jeffers Property

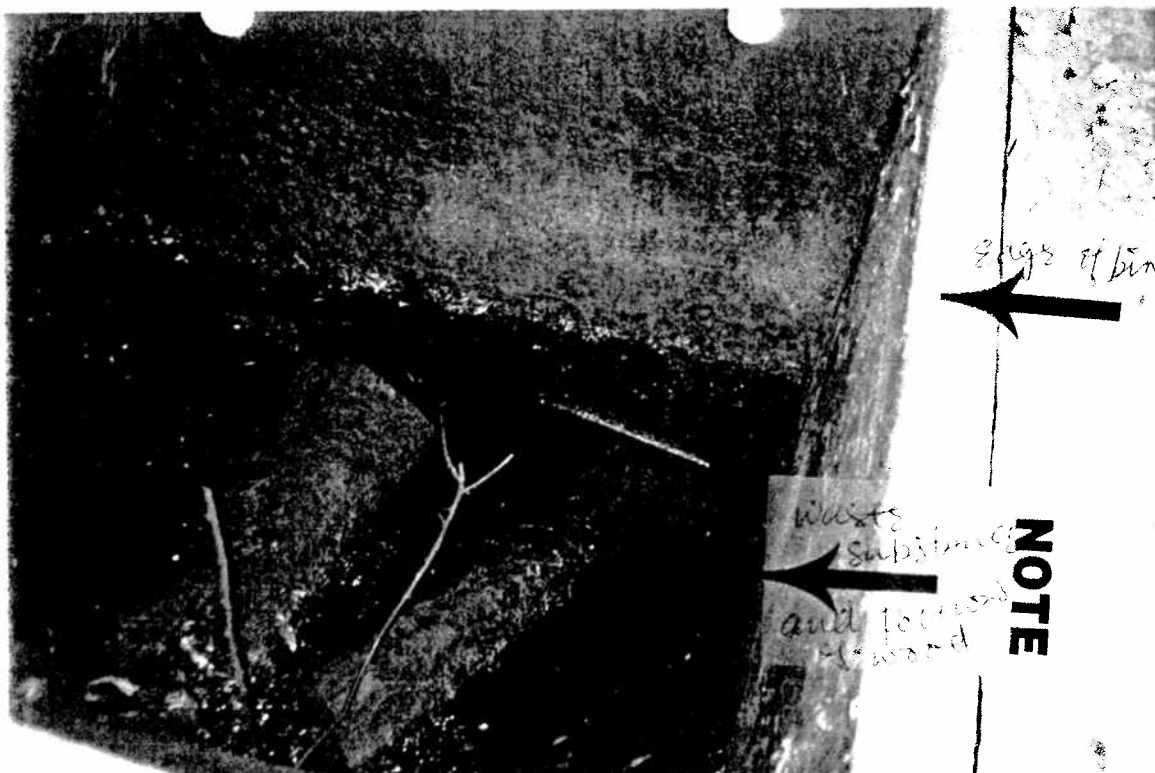
**Date:** August 18, 2005

**Photographer:** M M<sup>c</sup>Pherson

**Program:** Hazardous Site Response Program

**Explanation:** View of dark colored waste substance in tank. Leaves and portions of wood can be observed in tank.





County: Screven

Picture 3 of 8

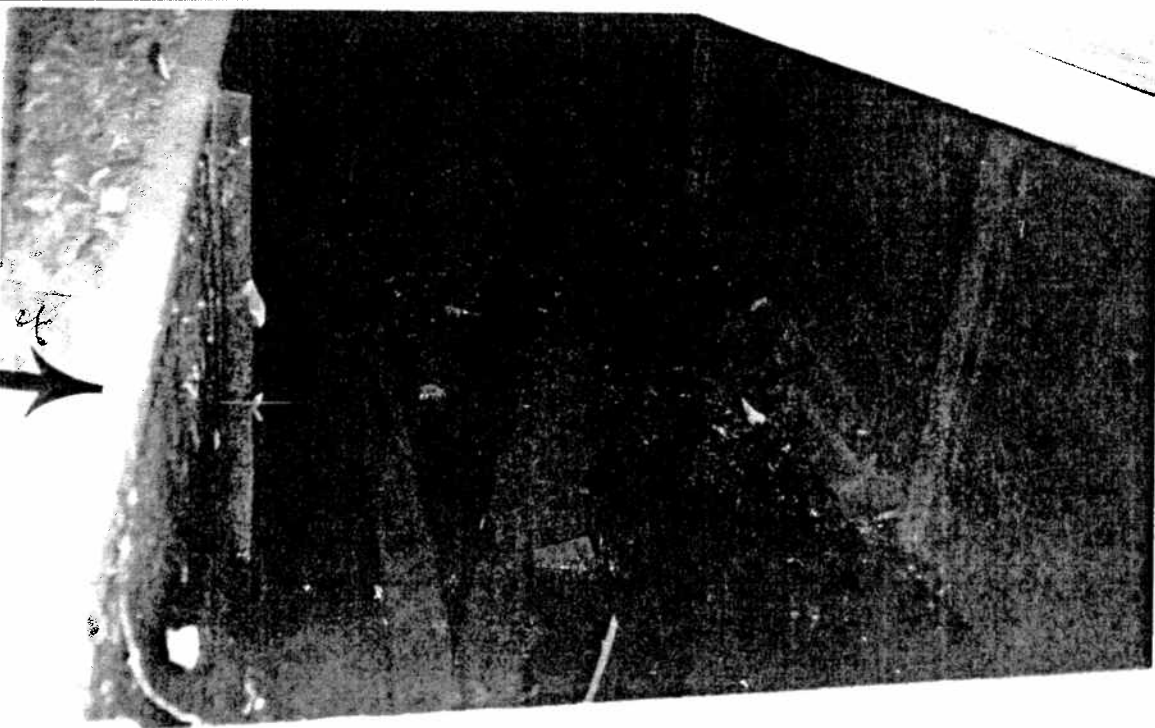
Site Name: Jeffers Property

Date: August 18, 2005

Photographer: M M<sup>c</sup>Pherson

Program: Hazardous Site Response Program

Explanation: Closer view of waste in tank under shed



County: Screven

Picture 4 of 8

Site Name: Jeffers Property

Date: August 18, 2005

Photographer: M M<sup>c</sup>Pherson

Program: Hazardous Site Response Program

Explanation: Wider view of dark colored waste in tank. Leaves and portions of wood can be observed.





**County:** Screven

**Picture 5 of 8**

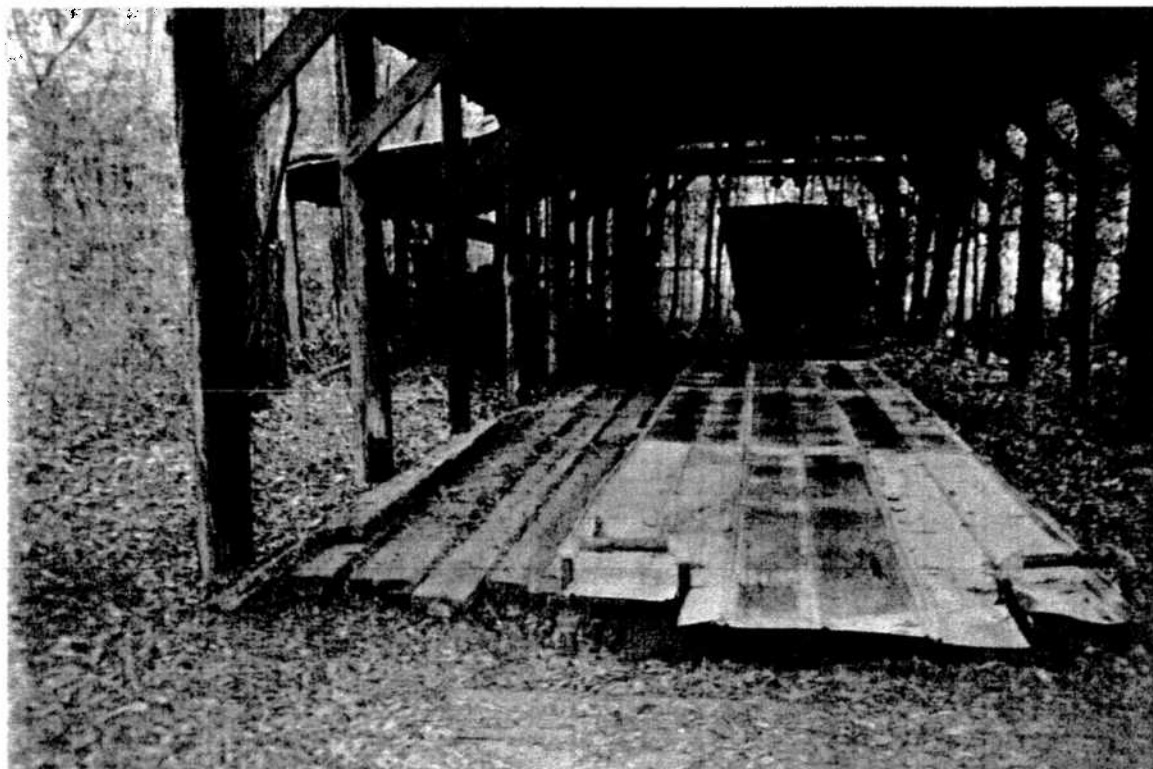
**Site Name:** Jeffers Property

**Date:** September 23, 2005

**Photographer:** M M<sup>c</sup>Pherson

**Program:** Hazardous Site Response Program

**Explanation:** Wider view of shed that covers the creosote tank at the rear of the Jeffers's property.



**County:** Screven

**Picture 6 of 8**

**Site Name:** Jeffers Property

**Date:** September 23, 2005

**Photographer:** M M<sup>c</sup>Pherson

**Program:** Hazardous Site Response Program

**Explanation:** Picture taken of covered tank after EPD's request on first visit.



**County:** Screven

**Picture** 7 of 8

**Site Name:** Jeffers Property

**Date:** September 23, 2005

**Photographer:** M M<sup>c</sup>Pherson

**Program:** Hazardous Site Response Program

**Explanation:** View of creosote tank partially opened for sampling purposes.



**County:** Screven

**Picture** 8 of 8

**Site Name:** Jeffers Property

**Date:** September 23, 2005

**Photographer:** M M<sup>c</sup>Pherson

**Program:** Hazardous Site Response Program

**Explanation:** Picture taken of waste samples.

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)  
REQUEST FOR LABORATORY ANALYSIS

Proposal

SDII

Facility Name/Location: Mrs Sandra Jeffers

Sample Collected By/Phone: Montague McPHERSON

Collection Date: 09/22/05 LAB No. \_\_\_\_\_

Date Submitted To Lab: 09/22/05

HWMB LOG NUMBER: 10148 Soil

*File a separate Request Sheet for each sample point*

Analysis Needed By: Routine \_\_\_\_\_ Other (specify) \_\_\_\_\_

Sample Description (check one)

Waste \_\_\_\_\_  
Ground Water \_\_\_\_\_  
Soil/Sediment ✓  
Surface Water \_\_\_\_\_

Sample ID AF08419  
Location: HWMB  
Description: MRS. SANDRA JEFFERS/HW10148  
Collector: M. MCPHERSON  
Site: \_\_\_\_\_

Concentration of Organics Requested (estimated): High \_\_\_\_\_ Low \_\_\_\_\_ Other (e.g., \_\_\_\_\_)

Describe Sample Including Source and Known Properties (e.g. pH, concentration):

DARK Substance  
in 5' x 4" bin embedded in ground; soil area around bin.

Applicable Hazardous Waste Codes (if known) \_\_\_\_\_

Special Precautions: \_\_\_\_\_

## ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

## 1. TOTAL ORGANICS

Semi-Volatiles  
(Acid & Base/Neutral)  
Volatiles  
Pesticides  
Herbicides  
Organophosphorous Pesticides  
PCB  
BETX  
Total Petroleum Hydrocarbon

Organics Special Requests: \_\_\_\_\_

## 2. TOTAL METALS

ICP Metals Scan  
(Ag, As, Ba, Cd, Cr, Ni, Pb, Se)  
Mercury  
Metals Special Requests: \_\_\_\_\_

1 4 OZ. JARS  
6 8 OZ. JARS  
2 16 OZ. JARS  
4 ENCLOSURES

## 3. TCLP ORGANICS

Volatiles  
Semi-Volatiles (Acid & Base/Neutral)  
Additional Specific Organics for TCLP: \_\_\_\_\_

Pesticides  
Herbicides

## 4. TCLP METALS ANALYSIS

TCLP Metals (Ag, As, Ba, Cd, Cr, Ni, Pb, Se)  
Mercury

Additional Metals for TCLP: \_\_\_\_\_

## 5. ADDITIONAL ANALYSIS REQUESTED (see list on back): \_\_\_\_\_

Reviewed By: (HWMB): [Signature]

Approved By: (HWMB): [Signature]

Date: 9-21-05

Date: 9-21-05

Reviewed By: (EPD Lab): \_\_\_\_\_

Date: (EPD Lab): \_\_\_\_\_

From Montague

RECEIVED  
LABORATORIES  
2005 SEP 22 PM 3:22

Preservative Confirmed

pH < 2 \_\_\_\_\_ > 12 \_\_\_\_\_  
Temp 70.0

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

455 14th Street NW, Atlanta, GA 30318-7900  
(404) 206-5269

**LABORATORY REPORT**

TO: Georgia Env Protection Divison Hazardous Waste Mgmt Branch 205 Butler St SE Suite 1154E Atlanta, GA 30334		Date Collected: 09/22/05 Time Collected: 9:30 Sample Collector: M. MCPHERSO Chlorination: Sample Type:
Sample ID: AF08419 Facility Name: MRS. SANDRA JEFFERS/HW10148 Site ID: HWMB Location ID: Location Descr: HW10148	Received By: SDH Date Received: 09/22/05 Time Received: 3:22 PM Project: HW Reporting Date: 10/18/05 Received Temperature: 0.0 C	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
<b>EPA 8260B In Soil QC Batch 80671</b>							
Dibromofluoromethane(Surrogate QC Std.)		EPA 8260B 54		ug/kg (dw)	5.8	KDD 09/23/05	45.5 to 60
1,2-Dichloroethane-d4(Surrogate QC Std.)		EPA 8260B 52		ug/kg (dw)	5.8	KDD 09/23/05	44 to 61.5
Toluene-d8(Surrogate QC Std.)		EPA 8260B 47		ug/kg (dw)	5.8	KDD 09/23/05	42.5 to 52.5
Bromofluorobenzene(Surrogate QC Std.)		EPA 8260B 40		ug/kg (dw)	5.8	KDD 09/23/05	37 to 52.5
Dichlorodifluoromethane	34668	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
Chloromethane	34418	EPA 8260B Not Detected		ug/kg (dw)	12	KDD 09/23/05	
Vinyl chloride	39175	EPA 8260B Not Detected		ug/kg (dw)	2.3	KDD 09/23/05	
Bromomethane	34413	EPA 8260B Not Detected		ug/kg (dw)	12	KDD 09/23/05	
Chloroethane	34311	EPA 8260B Not Detected		ug/kg (dw)	12	KDD 09/23/05	
Trichlorofluoromethane	34488	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
1,1-Dichloroethene	34501	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
Acetone	81552	EPA 8260B Not Detected		ug/kg (dw)	120	KDD 09/23/05	
1,1,2-Trichlorotrifluoroethane	81611	EPA 8260B Not Detected		ug/kg (dw)	12	KDD 09/23/05	
Iodomethane	77424	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
Carbon disulfide	77041	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
Methyl acetate	77032	EPA 8260B Not Detected		ug/kg (dw)	12	KDD 09/23/05	
Methylene chloride	34423	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
trans-1,2-Dichloroethene	34546	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
Methyl tert-butyl ether	46491	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
1,1-Dichloroethane	34496	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
Vinyl acetate	77057	EPA 8260B Not Detected		ug/kg (dw)	58	KDD 09/23/05	
2,2-Dichloropropane	77170	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
cis-1,2-Dichloroethene	77093	EPA 8260B Not Detected		ug/kg (dw)	5.8	KDD 09/23/05	
2-Butanone	81595	EPA 8260B Not Detected		ug/kg (dw)	120	KDD 09/23/05	

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER		EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYSIS		MCL or QC Range
	CODE	NOTE					ANALYST	DATE	
Bromochloromethane	77297		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Chloroform	32106		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,1,1-Trichloroethane	34506		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Cyclohexane	81570		EPA 8260B	Not Detected	ug/kg (dw)	12	KDD	09/23/05	
Carbon tetrachloride	32102		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,1-Dichloropropene	77168		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Benzene	34030		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,2-Dichloroethane	32103		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Trichloroethene	39180		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Methylcyclohexane			EPA 8260B	Not Detected	ug/kg (dw)	12	KDD	09/23/05	
1,2-Dichloropropane	34541		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Dibromomethane	77596		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Bromodichloromethane	32101		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
cis-1,3-Dichloropropene	34704		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
4-Methyl-2-pentanone	81596		EPA 8260B	Not Detected	ug/kg (dw)	58	KDD	09/23/05	
Toluene	34010		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
trans-1,3-Dichloropropene	34699		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,1,2-Trichloroethane	34511		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Tetrachloroethene	34475		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,3-Dichloropropane	77173		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
2-Hexanone	77103		EPA 8260B	Not Detected	ug/kg (dw)	58	KDD	09/23/05	
Dibromochloromethane	32105		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,2-Dibromoethane	77651		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Chlorobenzene	34301		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,1,1,2-Tetrachloroethane	77562		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Ethylbenzene	34371		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
p,m-Xylene	77135		EPA 8260B	Not Detected	ug/kg (dw)	12	KDD	09/23/05	
o-Xylene	77135		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Styrene	77128		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Bromoform	32104		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Isopropylbenzene	77223		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
Bromobenzene	81555		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,1,2,2-Tetrachloroethane	34516		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,2,3-Trichloropropane	77443		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
N-Propylbenzene	77224		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
2-Chlorotoluene	77275		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
4-Chlorotoluene	77277		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,3,5-Trimethylbenzene	77226		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
tert-Butylbenzene	77353		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,2,4-Trimethylbenzene	77222		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
sec-Butylbenzene	77350		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
1,3-Dichlorobenzene	34566		EPA 8260B	Not Detected	ug/kg (dw)	5.8	KDD	09/23/05	
p-Isopropyltoluene	77356		EPA 8260B	Not Detected	ug/kg (dw) J	5.8	KDD	09/23/05	
1,4-Dichlorobenzene	34571		EPA 8260B	Not Detected	ug/kg (dw) J	5.8	KDD	09/23/05	
1,2-Dichlorobenzene	34538		EPA 8260B	Not Detected	ug/kg (dw) J	5.8	KDD	09/23/05	
n-Butylbenzene	77342		EPA 8260B	Not Detected	ug/kg (dw) J	5.8	KDD	09/23/05	
1,2-Dibromo-3-chloropropane			EPA 8260B	Not Detected	ug/kg (dw) J	5.8	KDD	09/23/05	

ug/L: micrograms/liter  
mg/L: milligrams/liter  
mg/kg: milligrams/kilogram  
ug/kg: micrograms/kilogram  
ug/g: micrograms/gram  
ppm: parts per million  
ppb: parts per billion  
org/L: organisms/liter

<: less than  
MCL: Maximum Contaminant Level  
RL: Reporting Limit  
LSPC: result less than lower specification  
USPC: result greater than upper specification  
TIE: Tentatively Identified or Estimated  
VIOL: Violation (result exceeds MCL)

#### Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER		EPA		QUALIFIER		ANALYSIS		MCL or QC Range
	CODE	NOTE	METHOD	RESULT	UNITS	RL	ANALYST	DATE	
1,2,4-Trichlorobenzene	34551		EPA 8260B	Not Detected	ug/kg (dw)	J 5.8	KDD	09/23/05	
Hexachlorobutadiene	38702		EPA 8260B	Not Detected	ug/kg (dw)	J 5.8	KDD	09/23/05	
Naphthalene	34696		EPA 8260B	Not Detected	ug/kg (dw)	J 5.8	KDD	09/23/05	
1,2,3-Trichlorobenzene	77613		EPA 8260B	Not Detected	ug/kg (dw)	J 5.8	KDD	09/23/05	
<b>8270 Semi-Vol in SOIL QC Batch 81182</b>									
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	54	ug/kg (dw)	0.00	GG	10/06/05	18 to 101
Phenol-d5(Surrogate QC Std.)			EPA 8270C	52	ug/kg (dw)	0.00	GG	10/06/05	21 to 108
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	46	ug/kg (dw)	0.00	GG	10/06/05	19 to 106
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	80	ug/kg (dw)	0.00	GG	10/06/05	31 to 113
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	52	ug/kg (dw)	0.00	GG	10/06/05	35 to 108
Terphenyl-d14(Surrogate QC Std.)			EPA 8270C	93	ug/kg (dw)	0.00	GG	10/06/05	55 to 112
Pyridine	77045		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
n-Nitrosodimethylamine	34438		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Picoline	77088		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Methylmethanesulfonate	73595		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Ethylmethanesulfonate	73571		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
Aniline	77089		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzaldehyde			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Phenol	34694		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
bis(2-Chloroethyl)ether	34273		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Chlorophenol	34586		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1,3-Dichlorobenzene	34566		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1,4-Dichlorobenzene	34571		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzyl Alcohol	77147		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
1,2-Dichlorobenzene	34536		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Methylphenol			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Bis(2-Chloroisopropyl)ether	34283		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Acetophenone	81553		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4-Methylphenol			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
N-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Hexachloroethane	34396		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Nitrobenzene	34447		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
N-Nitrosopiperidine	73619		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
Isophorone	34408		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Nitrophenol	34591		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,4-Dimethylphenol	34606		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Bis(2-Chloroethoxy)methane	34278		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzoic Acid	77247		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
2,4-Dichlorophenol	34601		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1,2,4-Trichlorobenzene	34551		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
aa-Dimethyl-Phenethylamine	73564		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Naphthalene	34696		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4-Chloroaniline	73529		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
2,6-Dichlorophenol	77541		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Hexachlorobutadiene	38702		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
N-Nitroso-di-n-butylamine	73609		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	

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Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210



ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
4-Chloro-3-Methylphenol	34452		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
2-Methylnaphthalene	77416		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1,2,4,5-Tetrachlorobenzene	77734		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Hexachlorocyclopentadiene	34386		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,4,6-Trichlorophenol	34621		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,4,5-Trichlorophenol	77687		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Chloronaphthalene	34581		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Nitroaniline	78142		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
Dimethylphthalate	34341		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Acenaphthylene	34200		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,6-Dinitrotoluene	34626		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
3-Nitroaniline	78300		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
Acenaphthene	34205		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,4-Dinitrophenol	34616		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
4-Nitrophenol	34646		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
Dibenzofuran	81302		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Pentachlorobenzene	77793		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,4-Dinitrotoluene	34611		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1-Naphthylamine	73600		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2-Naphthylamine	73601		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Diethylphthalate	34336		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Fluorene	34381		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4-Chlorophenyl-Phenylether	34641		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4-Nitroaniline	30342		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
Diphenylamine	77579		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4,6-Dinitro-2-Methylphenol	34657		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
N-Nitrosodiphenylamine	34433		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
1,2-Diphenylhydrazine	34346		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4-Bromophenyl-phenylether	34636		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Phenacetin	62018		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Hexachlorobenzene	39700		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Atrazine	39033		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
4-Aminobiphenyl	77581		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Pentachlorophenol	39032		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
Pronamide	39080		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Pentachloronitrobenzene	81316		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
Phenanthrene	34461		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Anthracene	34220		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Carbazole	82618		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Di-n-Butylphthalate	39110		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Fluoranthene	34376		EPA 8270C	120000	ug/kg (dw)	99000	GG	10/06/05	
Benzidine	39120		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Pyrene	34469		EPA 8270C	130000	ug/kg (dw)	99000	GG	10/06/05	
p-Dimethylaminoazobenzene	73558		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
Butylbenzylphthalate	34292		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzo[a]anthracene	34526		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
3,3'-Dichlorobenzidine	34631		EPA 8270C	Not Detected	ug/kg (dw)	200000	GG	10/06/05	
Chrysene	34320		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Bis(2-Ethylhexyl)phthalate	39100		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Di-n-octylphthalate	34596		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzo[b]fluoranthene	34230		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzo[k]fluoranthene	34242		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
7,12-Dimethylbenz(a)anthracen	73559		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzo[a]pyrene	34247		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
3-Methylcholanthrene	73591		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Indeno[1,2,3-cd]pyrene	34403		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Dibenz[a,h]anthracene	34556		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Benzo[g,h,i]perylene	34621		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Alpha-BHC	39337		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Gamma-BHC	39340		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Beta-BHC	39338		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Delta-BHC	34259		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Heptachlor	39410		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Aldrin	39330		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Heptachlor Epoxide	39420		EPA 8270C	Not Detected	ug/kg (dw)	250000	GG	10/06/05	
Endosulfan 1	34361		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
Dieldrin	39380		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
p,p'-DDE	39320		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Endrin	39390		EPA 8270C	Not Detected	ug/kg (dw)	240000	GG	10/06/05	
Endosulfan 2	34356		EPA 8270C	Not Detected	ug/kg (dw)	500000	GG	10/06/05	
p,p'-DDD	39310		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Endrin Aldehyde	34366		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Endosulfan Sulfate	34351		EPA 8270C	Not Detected	ug/kg (dw)	250000	GG	10/06/05	
p,p'-DDT	39300		EPA 8270C	Not Detected	ug/kg (dw)	99000	GG	10/06/05	
Semi-Volatile TCLP Warranted?			EPA 1311	No	Yes/No	REG.LEV.CLA		10/17/05	
Volatile TCLP Warranted?			EPA 1311	No	Yes/No	REG.LEV.KDD		09/23/05	

#### ICP Metals HW in Solids QC Batch 80672

Silver	01078	EPA 6010B	Not Detected	mg/kg (dw)	10	PSB	09/29/05
Arsenic	01003	EPA 6010B	Not Detected	mg/kg (dw)	8.0	PSB	09/29/05
Barium	01008	EPA 6010B	25	mg/kg (dw)	1.0	PSB	09/29/05
Cadmium	01028	EPA 6010B	Not Detected	mg/kg (dw)	1.0	PSB	09/29/05
Chromium	01029	EPA 6010B	4.3	mg/kg (dw)	2.0	PSB	09/29/05
Lead	01052	EPA 6010B	24	mg/kg (dw)	9.0	PSB	09/29/05
Selenium	01148	EPA 6010B	Not Detected	mg/kg (dw)	19	PSB	09/29/05

#### QC Batch 80746

Mercury		EPA 7471A	Not Detected	mg/kg (dw)	0.102	HAM	09/30/05
Metals TCLP Warranted?		EPA 1311	No	Yes/No	REG.LEV.AGV		09/29/05

COMMENTS: \$826BS- EPA 8260B- Sample had one internal standard compound, 1,4-Dichlorobenzene-d4 (41% response, limits 50-200%) with a response outside of acceptable control limits due to sample matrix interferences. All associated compounds will be "J", as estimated values. LCS results were within acceptable control limits. 7-092905-342

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COMMENTS: \$ICPHS-6010 B: ICP Metals- Reporting limits for Silver raised due to matrix interference.

COMMENTS: \$R\_827CS - EPA 8270C - Matrix Spike had eleven spike compounds, Phenol (0% recovery, limits 26-102%), 2-Chlorophenol (0% recovery, limits 15-108%), 1,4-Dichlorobenzene (0% recovery, limits 15-96%), N-nitroso-di-n-propylamine (0% recovery, limits 32-121%), 1,2,4-Trichlorobenzene (0% recovery, limits 19-108%), 4-Chloro-3-Methylphenol (0% recovery, limits 41-105%), 2,4-Dinitrotoluene (0% recovery, limits 46-100%), 4-Nitrophenol (0% recovery, limits 12-136%), Acenaphthene (0% recovery, limits 52-110%), Pentachlorophenol (0% recovery, limits 23-116%) and Pyrene (180% recovery, limits 42-125%) with recoveries outside acceptable control limits due to large dilution required for high concentrations of target and non-target compounds. 7-101705-360

COMMENTS: \$827CW - EPA 8270C - Reporting limits raised due to elevated concentrations of target and non-target compounds.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)  
REQUEST FOR LABORATORY ANALYSIS

T-779 P.002/002 F-282

SDH

Facility Name/Location: MRS SANDRA JEFFERS  
Sample Collected By/Phone: MONTAGUE MCPHERSON  
Collection Date: 09/22/05 LAB No. \_\_\_\_\_  
Date Submitted To Lab: 09/22/05  
HWMB LOG NUMBER: 10147 waste  
*File a separate Request Sheet for each sample point*

Analysis Needed By: Routine \_\_\_\_\_ Other (specify) \_\_\_\_\_

Sample Description (check one)

Waste ☒ Ground Water ☐ Soil/Sediment ☒ Surface Water ☐



Sample ID AF08417  
Location: HWMB  
Description: MRS. SANDRA JEFFERS/HW10147  
Collector: M. MCPHERSON  
Site: \_\_\_\_\_

Concentration of Organics Requested (estimated): High \_\_\_\_\_ Low \_\_\_\_\_ Other (e.g., rinse) \_\_\_\_\_

Describe Sample including Source and Known Properties (e.g. pH, concentration):  
DARK substance in 5'x4" bin embedded in ground; soil area around bin.

Applicable Hazardous Waste Codes (if known) \_\_\_\_\_

Special Precautions: \_\_\_\_\_

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)  
Volatiles  
Pesticides  
Herbicides  
Organophosphorous Pesticides  
PCB  
BETX  
Total Petroleum Hydrocarbon

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,NI,Pb,Se)  
Mercury  
Metals Special Requests:

1 4 OZ. JARS  
6 8 OZ. JARS  
2 16 OZ. JARS

Organics Special Requests: \_\_\_\_\_

3. TCLP ORGANICS

Volatiles  
Semi-Volatiles (Acid & Base/Neutral)  
Additional Specific Organics for TCLP: \_\_\_\_\_

Pesticides  
Herbicides

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,NI,Pb,Se)  
Mercury

Additional Metals for TCLP: \_\_\_\_\_

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): \_\_\_\_\_

Reviewed By: (HWMB): [Signature]  
Approved By: (HWMB): [Signature]

Date: 9-19-05  
Date: 9-19-05

Reviewed By (EPD Lab): \_\_\_\_\_  
Date (EPD Lab): \_\_\_\_\_

From Montague

RECEIVED  
EPD LABORATORIES  
2005 SEP 22 PM 3:22

Preservative Confirmed

pH < 2  
Temp > 12

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

455 14th Street NW, Atlanta, GA 30318-7900  
(404) 206-5269

**LABORATORY REPORT**

TO: Georgia Env Protection Divison Hazardous Waste Mgmt Branch 205 Butler St SE Suite 1154E Atlanta, GA 30334		Date Collected: 09/22/05 Time Collected: 10:00 Sample Collector: M. MCPHERSO Chlorination: Sample Type:
Sample ID: AF08417 Facility Name: MRS. SANDRA JEFFERS/HW10147 Site ID: HWMB Location ID: Location Descr: HW10147	Received By: SDH Date Received: 09/22/05 Time Received: 3:22 PM Project: HW Reporting Date: 10/18/05 Received Temperature: 0.0 C	

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
<b>\$FLASH Analysis QC Batch 80724</b>									
Flashpoint			EPA 1010	>140	Deg F		AJ	09/29/05	
Duplicate Flashpoint			EPA 1010	>140	Deg F		AJ	09/29/05	

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

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Organics:	Danny Reed	404-206-5252
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