BLACK & VEATCH Waste Science, Inc.

400 Northridge Road, Suite 350, Atlanta, Georgia 30350, (404) 594-2500, Fax: (404) 587-2930

#28638

US EPA -- Region IV
Site Inspections
Work Assignment No. 12

BVWS Project 52012.337
August 26, 1994

Mr. Narindar Kumar
Chief, Site Assessment Section
U.S. Environmental Protection Agency
345 Courtland Street, NE
Atlanta, Georgia 30365

Subject: Draft Site Inspection Prioritization
Southern Industrial Maintenance Co.
Iron City, Lawrence County, TN
EPA ID No. TND980559041

Dear Mr. Kumar:

Enclosed please find one copy of the Draft Site Inspection Prioritization for Southern Industrial Maintenance Company in Iron City, Lawrence County, Tennessee. If you have any questions, please contact me at 404/643-2320.

Very truly yours,

BLACK & VEATCH Waste Science, Inc.

Victor Blix
Project Manager

fw
Enclosure

cc: Doug Thompson, EPA PO, w/o enclosures
Deborah Davidson, EPA CO, w/o enclosures
Earl Bozeman, EPA WAM, w/o enclosures

REC'D.
AUG 29 1994

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

9/19/94

4WD-WPB

Victor Blix
Black & Veatch Waste Science, Inc.
400 Northridge Road, Suite 350
Atlanta, GA 30350

RE: Site Inspection Prioritization
Site Name: Southern Industrial Maintenance Company
EPA ID#: TND980559041

Dear Mr. Blix:

I have reviewed the SIP report on the above referenced site and made the following decision:

X Report acceptable as is and will serve as final SIP for the site. Please send me an additional copy of the report and references.

___ Site reconnaissance, additional documentation and/or HRS scoring scenarios required. See comments section for details.

___ Field sampling is needed at this site. See comments section for details.

___ Report needs revisions as indicated in comments section. Please revise and submit final no later than ___/___/___.

Comments:
Please send two additional copies of the final report.

If you have any questions regarding this matter, please contact me at 347-5059 ext. 6149 .

Sincerely,

Robert P. Moore

Site Assessment Manager

cc:
Earl Bozeman, WAM
Doug Thompson, PO
Debbie Davidson, CO

Halliburton NUS
CORPORATION

2075 West Park Place, Suite E
Stone Mountain, GA 30087

(404) 413-0965
FAX: (404) 413-6733

C-92-6-4-31

August 23, 1994

U.S. Environmental Protection Agency
Southern Industrial Maintenance Company
Work Assignment 12

9/19/94
NFGAP
GM

REC'D.
AUG 29 1994

Mr. Narindar Kumar, Chief
Site Assessment Section
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Subject: Site Inspection Prioritization
Southern Industrial Maintenance Company
Iron City, Lawrence County, Tennessee
EPA ID TND980559041
WL# 3857

Dear Mr. Kumar:

Halliburton NUS Corporation has been tasked by BLACK & VEATCH Waste Science, Inc. under U.S. Environmental Protection Agency (EPA) Contract Nº. 68-W9-0055 to conduct a Site Inspection Prioritization at the Southern Industrial Maintenance company site in Iron City, Lawrence County, Tennessee. According to the Southern Industrial Maintenance scope of work, a preliminary Hazard Ranking System (HRS) score has been prepared to determine the need for future activities at the site.

The Southern Industrial Maintenance Company (SIMCO) is located on 2 acres of land (35°01'10" North latitude and 87°34'48" West longitude) in Iron City, Lawrence County, Tennessee (Refs. 1, p. 1; 2; 3). SIMCO operated from 1964 to 1983 (Ref. 1, pp. 1, 3). From 1964 to 1977, SIMCO serviced and cleaned rail tank cars that transported elemental phosphorus. From 1977 to 1979, SIMCO repaired and cleaned tank cars that transported a variety of chemicals. The cleaning operation ceased in 1979, and, according to available file material, the site has been inactive since 1983 (Ref. 1, p. 3). The property is presently owned by Marion Bates (Ref. 4).

Cleaning of the tank cars involved flushing the inside of the cars with water and removing phosphorus sludge and chemical residue. The sludge from this operation was disposed of in an onsite waste disposal pit. The contaminated water was allowed to settle in two unlined ponds.

The State supervised the closing of the two ponds and the waste disposal pit in 1980 and 1981, respectively. File material indicated that a steel, open-ended, concrete-floored building covers the former ponds and a portion of the former disposal pit (Ref. 1, p. 4). There are four source areas at the site: the ponds; contaminated soil; the old waste disposal pit area; and an area filled with debris; steel scrap metal; car parts; a 55-gallon drum, paint cans, and trash (Ref. 1, pp. 1, 3, 7).

As part of the Site Screening Investigation (SSI) conducted by NUS Corporation in 1985, two groundwater, three surface water, two sediment, and two composite soil samples were collected. An upgradient surface water and a sediment sample collected from Buck Branch Creek were designated as control samples. The surface water sample collected from an onsite settling pond contained detectable levels of zinc, aluminum, manganese, iron, cadmium, and lead. There is a potential for these contaminants to be released to Buck Branch Creek as surface water runoff (Ref. 1, p. 1). Composite soil samples collected from the debris pile and an onsite pond contained detectable levels of cyanide, barium, cadmium, nickel, lead, zinc, and mercury. Analytical results for groundwater samples collected from two onsite monitoring wells, which are downgradient of the waste disposal pit area, indicated detectable concentrations of acetone, zinc, aluminum, manganese, barium, cadmium, lead, cobalt, chromium, copper, nickel, tin, vanadium, and mercury. Acetone was the only organic compound reported at detectable levels in groundwater (Ref. 1, pp. 7-12). Available file material does not indicate if the constituents reported at detectable levels are associated with facility processes.

A preliminary HRS score for SIMCO was calculated using the Site Inspection Worksheets. Pathways evaluated include groundwater migration, surface water migration, soil exposure, and air migration. A worst-case scenario was assumed to determine a maximum potential score for the site. This score reflects a Hazardous Waste Quantity (HWQ) of 100 for all pathways based upon the sizes of the four source areas (Ref. 1, p. 1). The highest contaminant characteristics values were those for mercury.

Potable water within 4 miles of SIMCO is supplied by Iron City Utility, St. Joseph Utility, and numerous private wells (Refs. 3; 5; 6; 7; 8). Iron City Utility serves approximately 590 persons and obtains its water from one spring located approximately 0.6 mile west of SIMCO. This spring is the nearest groundwater source to the site (Refs. 9; 10). St. Joseph Utility obtains water from one spring that is located outside the 4-mile radius (Ref. 6). Approximately 1,263 people utilize private wells within a 4-mile radius of the site. There is no known use of groundwater for commercial irrigation or watering of livestock within the 4-mile radius (Ref. 11). The groundwater migration pathway score was based on an observed release to groundwater (Refs. 1, pp. 7-13; 3; 5; 6; 7; 8).

Surface water runoff from SIMCO flows north approximately 150 feet to Buck Branch Creek (Ref. 3). Buck Branch Creek flows east approximately 0.25 mile to its confluence with Shoal Creek (Ref. 3). The 15-mile surface water migration pathway is completed in Shoal Creek (Ref. 3). Shoal Creek is used for recreational fishing; there is no known fishing in Buck Branch Creek (Ref. 12). The flow rate information for Buck Branch Creek was not available. Based on topographic maps of the area, Buck Branch Creek has an estimated flow rate of 10 to 100 cubic feet per second (cfs) (Ref. 3). The annual mean flow rate for Shoal Creek is approximately 574 cfs (Ref. 13). There are no known surface water intakes along this pathway (Refs. 5; 6). There are approximately 9 miles of wetlands frontage along the pathway (Ref. 14). SIMCO is located within the 100-year floodplain of Shoal Creek (Ref. 15). No known federally or state-designated endangered or threatened aquatic species have habitats within 15 miles downstream of SIMCO (Refs. 16; 17). The surface water migration pathway was evaluated based on potential to release, and the score was limited by the lack of an observed release and low target values.

SIMCO is located in a rural area, with approximately 2,006 people residing within the 4-mile radius (Refs. 3; 7; 8; 18). The nearest residence is located approximately 150 feet west of SIMCO (Ref. 3). The nearest school is located approximately 1,500 feet southwest of SIMCO (Ref. 3). There are no known workers on site (Ref. 1, p. 4). Approximately 167 acres of wetlands are located within the 4-mile radius (Ref. 14). The soil exposure pathway score was based on an observed release to surficial soils and was limited by low target values. There are no known habitats of federally or state-designated endangered or threatened terrestrial species within the 4-mile radius (Refs. 16; 17). The air migration pathway score was based on potential to release and was limited by the lack of an observed release and low target values (Refs. 3; 7; 8; 16; 17; 18).

HRS SCORING SUMMARY

Sgw	=	8.53
Ssw	=	0.47
Sso	=	0
Sa	=	2.84

OVERALL SCORE = 4.50

Due to low target values and pathway scores, no further action is recommended for the Southern Industrial Maintenance Company.

Attached are additional references collected during this investigation. If you have any questions or comments, please contact Victor Blix at (404) 643-2320.

Very truly yours,

Judy Rakestraw

Judy Rakestraw
Project Manager

JR/gwb

Enclosures

cc: Philip A. Blackwell
File

REFERENCES

1. Site Screening Report and attachments for Southern Industrial Maintenance Company. Filed by Susan Levin, NUS Corporation, March 15, 1985.

2. Latitude and Longitude Calculation Worksheet #1 for Southern Industrial Maintenance Company area, Iron City, Lawrence County, Tennessee. Filed by Judy Rakestraw, June 15, 1994.

3. U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of Tennessee and Alabama: St. Joseph 1950 (Photorevised (PR) 1976), Whitten 1951 (PR 1975), Blackburn 1952 (PR 1988), Pruitton 1952 (PR 1988), scale 1:24,000.

4. Kim Gobble, Clerk, Lawrence County Tax Assessor's Office, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 22, 1994. Subject: Property ownership.

5. Delphine Looney, Bookkeeper, Iron City Utility, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 8, 1994. Subject: Iron City Utility service area.

6. Robert Russ, St. Joseph Water Department, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 13, 1994. Subject: St. Joseph water service area.

7. U.S. Department of Commerce, Bureau of the Census, 1990 Census of Population and Housing: Summary Population and Housing Characteristics - Tennessee, 1990 CPH-1-44 (Washington, D.C.: GPO, 1991), excerpt, 2 pages.

8. U.S. Department of Commerce, Bureau of the Census, 1990 Census of Population and Housing: Summary Population and Housing Characteristics - Alabama, 1990 CPH-1-2 (Washington, D.C.: GPO, 1991), excerpt, 2 pages.

9. Tim Lamprecht, Mayor, Iron City, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 8, 1994. Subject: Iron City's drinking water.

10. Map of the Iron City Utility Service Area, no date.

11. Randall Armstrong, Florence County Agent, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 13, 1994. Subject: Groundwater usage within study area.

12. Doug Darr, District Fisheries Biologist, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 13, 1994. Subject: Fisheries.

13. Donna Flohr, U.S. Geological Survey, telephone conversation with Judy Rakestraw, Halliburton NUS Corporation, June 10, 1994. Subject: Annual mean flow rate.

14. National Wetlands Inventory, United States Department of the Interior, Fish and Wildlife Service, Quadrangle Maps: St. Joseph 1981, Whitten 1981, Blackburn 1981, Pruitton 1981.

15. Federal Emergency Management Agency (FEMA), National Flood Insurance Program, Flood Insurance Rate Map, Community - Panel No. 175, Lawrence County, Tennessee, effective date December 16, 1988.

16. Maps of Rare, Endangered, or Threatened Species, based on USGS quadrangles St. Joseph and Whitten, Tennessee. Tennessee Wildlife Resources Agency Geographic Information System, 1994.

17. U.S. Fish and Wildlife Service, 1992, Endangered and Threatened Species of the Southeast United States (The Red Book). Prepared by Ecological Services, Division of Endangered Species, Southeast Region. Government Printing Office, Washington, D.C.

18. U.S. Environmental Protection Agency, Graphical Exposure Modeling System (GEMS) Data Base. Compiled from U.S. Bureau of the Census (1980).

SITE INSPECTION WORKSHEETS

CERCLIS IDENTIFICATION NUMBER
TND 980551041

SITE LOCATION			
SITE NAME: LEGAL, COMMON, OR DESCRIPTIVE NAME OF SITE Southern Industrial Maintence Company			
STREET ADDRESS, ROUTE, OR SPECIFIC LOCATION IDENTIFIER South Walnut Street			
CITY Iron City	STATE TN.	ZIP CODE 38463	TELEPHONE (716) 278-7054
COORDINATES: LATITUDE and LONGITUDE	TOWNSHIP, RANGE, AND SECTION		

OWNER/OPERATOR IDENTIFICATION					
OWNER Mr. Arnold Stutus			OPERATOR Ms Rose Ernst		
OWNER ADDRESS			OPERATOR ADDRESS		
CITY			CITY		
STATE	ZIP CODE	TELEPHONE ( )	STATE	ZIP CODE	TELEPHONE ( )

SITE EVALUATION		
AGENCY/ORGANIZATION Halliburton NUS Corp.		
INVESTIGATOR Judy Rakestraw		
CONTACT		
ADDRESS 2075 West Park Place		
CITY Stone Mountain	STATE Georgia	ZIP CODE 30087
TELEPHONE ( )		

GENERAL INFORMATION

Site Description and Operational History: Provide a brief description of the site and its operational history. State the site name, owner, operator, type of facility and operations, size of property, active or inactive status, and years of waste generation. Summarize waste treatment, storage, or disposal activities that have or may have occurred at the site; note whether these activities are documented or alleged. Identify all source types and prior spills, floods, or fires. Summarize highlights of the PA and other investigations. Cite references.

The Southern Industrial Maintenance Company (SIMCO) is located on 2 acres of land (35°01'10" North latitude and 87°34'48" West longitude) in Iron City, Lawrence County, Tennessee (Refs. 1, p. 1; 2; 3). SIMCO operated from 1964 to 1983 (Ref. 1, pp. 1, 3). From 1964 to 1977, SIMCO serviced and cleaned rail tank cars that transported elemental phosphorus. From 1977 to 1979, SIMCO repaired and cleaned tank cars that transported a variety of chemicals. The cleaning operation ceased in 1979, and, according to available file material, the site has been inactive since 1983 (Ref. 1, p. 3). The property is presently owned by Marion Bates (Ref. 4).

Cleaning of the tank cars involved flushing the inside of the cars with water and removing phosphorus sludge and chemical residue. The sludge from this operation was disposed of in an onsite waste disposal pit. The contaminated water was allowed to settle in two unlined ponds.

The State supervised the closing of the two ponds and the waste disposal pit in 1980 and 1981, respectively. File material indicated that a steel, open-ended, concrete-floored building covers the former ponds and a portion of the former disposal pit (Ref. 1, p. 4). There are four source areas at the site: the ponds; contaminated soil; the old waste disposal pit area; and an area filled with debris; steel scrap metal; car parts; a 55-gallon drum, paint cans, and trash (Ref. 1, pp. 1, 3, 7).

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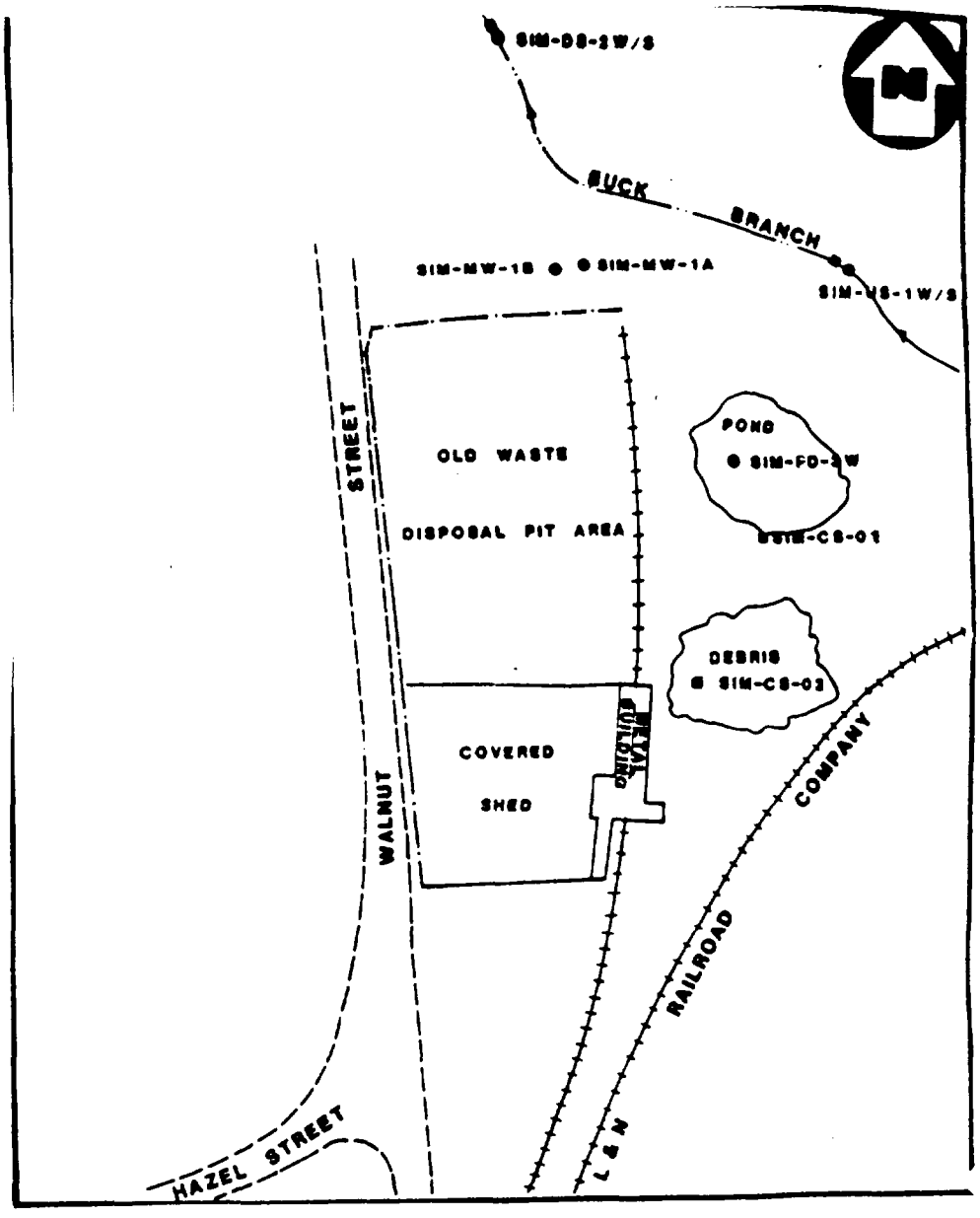
GENERAL INFORMATION (continued)

Site Sketch: Provide a sketch of the site. Indicate all pertinent features of the site and nearby environments including sources of wastes, areas of visible and buried wastes, buildings, residences, access roads, parking areas, fences, fields, drainage patterns, water bodies, vegetation, wells, sensitive environments, and other features.



GENERAL INFORMATION (continued)

Source Descriptions: Describe all sources at the site. Identify source type and relate to waste disposal operations. Provide source dimensions and the best available waste quantity information. Describe the condition of sources and all containment structures. Cite references.

SOURCE TYPES

Landfill: A man-made (by excavation or construction) or natural hole in the ground into which wastes have come to be disposed by backfilling, or by contemporaneous soil deposition with waste disposal.

Surface Impoundment: A natural topographic depression, man-made excavation, or diked area, primarily formed from earthen materials (lined or unlined) and designed to hold an accumulation of liquid wastes, wastes containing free liquids, or sludges not backfilled or otherwise covered; depression may be wet with exposed liquid or dry if deposited liquid has evaporated, volatilized or leached; structures that may be described as lagoon, pond, aeration pit, settling pond, tailings pond, sludge pit; also a surface impoundment that has been covered with soil after the final deposition of waste materials (i.e., buried or backfilled).

Drum: A portable container designed to hold a standard 55-gallon volume of wastes.

Tank and Non-Drum Container: Any device, other than a drum, designed to contain an accumulation of waste that provides structural support and is constructed primarily of fabricated materials (such as wood, concrete, steel, or plastic); any portable or mobile device in which waste is stored or otherwise handled.

Contaminated Soil: An area or volume of soil onto which hazardous substances have been spilled, spread, disposed, or deposited.

Pile: Any non-containerized accumulation above the ground surface of solid, non-flowing wastes; includes open dumps. Some types of waste piles are:

- Chemical Waste Pile: A pile consisting primarily of discarded chemical products, by-products, radioactive wastes, or used or unused feedstocks.
- Scrap Metal or Junk Pile: A pile consisting primarily of scrap metal or discarded durable goods (such as appliances, automobiles, auto parts, batteries, etc.) composed of materials containing hazardous substances.
- Tailings Pile: A pile consisting primarily of any combination of overburden from a mining operation and tailings from a mineral mining, beneficiation, or processing operation.
- Trash Pile: A pile consisting primarily of paper, garbage, or discarded non-durable goods containing hazardous substances.

Land Treatment: Landfarming or other method of waste management in which liquid wastes or sludges are spread over land and tilled, or liquids are injected at shallow depths into soils.

Other: Sources not in categories listed above.

GENERAL INFORMATION (continued)

Source Description: Include description of containment per pathway for ground water (see HRS Table 3-2), surface water (see HRS Table 4-2), and air (see HRS Tables 6-3 and 6-9).

Cleaning of the tank cars involved flushing the inside of the cars with water and removing phosphorus sludge and chemical residue. The sludge from this operation was disposed of in an onsite waste disposal pit. The contaminated water was allowed to settle in two unlined ponds.

The State supervised the closing of the two ponds and the waste disposal pit in 1980 and 1981, respectively. File material indicated that a steel, open-ended, concrete-floored building covers the former ponds and a portion of the former disposal pit (Ref. 1, p. 4). There are four source areas at the site: the ponds; contaminated soil; the old waste disposal pit area; and an area filled with debris; steel scrap metal; car parts; a 55-gallon drum, paint cans, and trash (Ref. 1, pp. 1, 3, 7).

Hazardous Waste Quantity (HWQ) Calculation: SI Tables 1 and 2 (See HRS Tables 2-5, 2-6, and 5-2).

2 acres of [illegible]

One Source 1 - Contaminated soil 2 acres ÷ 0.75 = 2.56

Source 2 - ponds < 5000ft² ÷ 13 = 384

Source [illegible] 1 acre ÷ 0.075 = 12.8

Source 4 - debris pile < 10,890ft² ÷ 13 = 837.69

Site HWQ = 1237.05

Attach additional pages, if necessary

HWQ = 100

SI TABLE 1: HAZARDOUS WASTE QUANTITY (HWQ) SCORES FOR SINGLE SOURCE SITES AND FORMULAS FOR MULTIPLE SOURCE SITES

		Single Source Sites (assigned HWQ scores)	
(Column 1) TIER	(Column 2) Source Type	(Column 3) HWQ = 10	(Column 4) HWQ = 100
A Hazardous Constituent Quantity	N/A	HWQ = 1 if Hazardous Constituent Quantity data are complete HWQ = 10 if Hazardous Constituent Quantity data are not complete	>100 to 10,000 lbs
B Hazardous Wastestream Quantity	N/A	≤ 500,000 lbs	>500,000 to 50 million lbs
C Volume	Landfill	≤ 6.75 million ft^3 ≤ 250,000 yd^3	>6.75 million to 675 million ft^3 >250,000 to 25 million yd^3
	Surface impoundment	≤6,750 ft^3 ≤250 yd^3	>6,750 to 675,000 ft^3 >250 to 25,000 yd^3
	Drums	≤1,000 drums	>1,000 to 100,000 drums
	Tanks and non-drum containers	≤50,000 gallons	>50,000 to 5 million gallons
	Contaminated soil	≤6.75 million ft^3 ≤250,000 yd^3	>6.75 million to 675 million ft^3 >250,000 to 25 million yd^3
	Pile	≤6,750 ft^3 ≤250 yd^3	>6,750 to 675,000 ft^3 >250 to 25,000 yd^3
	Other	≤6,750 ft^3 ≤250 yd^3	>6,750 to 675,000 ft^3 >250 to 25,000 yd^3
D Area	Landfill	≤340,000 ft^2 ≤7.8 acres	>340,000 to 34 million ft^2 >7.8 to 780 acres
	Surface impoundment	≤1,300 ft^2 ≤0.029 acres	>1,300 to 130,000 ft^2 >0.029 to 2.9 acres
	Contaminated soil	≤3.4 million ft^2 ≤78 acres	> 3.4 million to 340 million ft^2 > 78 to 7,800 acres
	Pile	≤1,300 ft^2 ≤0.029 acres	>1,300 to 130,000 ft^2 >0.029 to 2.9 acres
	Land treatment	≤27,000 ft^2 ≤0.62 acres	>27,000 to 2.7 million ft^2 >0.62 to 62 acres

1 ton = 2,000 pounds = 1 cubic yard = 4 drums = 200 gallons

TABLE 1 (CONTINUED)

Single Source Sites (assigned HWQ scores)		Multiple Source Sites		
(Column 5) HWQ = 10,000	(Column 6) HWQ = 1,000,000	(Column 7) Divisors for Assigning Source WQ Values	(Column 2) Source Type	(Column 1) TIER
>10,000 to 1 million lbs	> 1 million lbs	lbs ÷ 1	N/A	A Hazardous Constituent Quantity
>50 million to 5 billion lbs	> 5 billion lbs	lbs ÷ 5,000	N/A	B Hazardous Wastestream Quantity
>675 million to 67.5 billion ft^3 >25 million to 2.5 billion yd^3	> 67.5 billion ft^3 > 2.5 billion yd^3	ft^3 ÷ 67,500 yd^3 ÷ 2,500	Landfill	C Volume
>675,000 to 67.5 million ft^3 >25,000 to 2.5 million yd^3	> 67.5 million ft^3 > 2.5 million yd^3	ft^3 ÷ 67.5 yd^3 ÷ 2.5	Surface Impoundment	
>100,000 to 10 million drums	> 10 million drums	drums ÷ 10	Drums	
>5 million to 500 million gallons	> 500 million gallons	gallons ÷ 500	Tanks and non-drum containers	
>675 million to 67.5 billion ft^3 >25 million to 2.5 billion yd^3	> 67.5 billion ft^3 > 2.5 billion yd^3	ft^3 ÷ 67,500 yd^3 ÷ 2,500	Contaminated Soil	
>675,000 to 67.5 million ft^3 >25,000 to 2.5 million yd^3	> 67.5 million ft^3 > 2.5 million yd^3	ft^3 ÷ 67.5 yd^3 ÷ 2.5	Pile	
>675,000 to 67.5 million ft^3 >25,000 to 2.5 million yd^3	> 67.5 million ft^3 > 2.5 million yd^3	ft^3 ÷ 67.5 yd^3 ÷ 2.5	Other	
>34 million to 3.4 billion ft^2 >780 to 78,000 acres	> 3.4 billion ft^2 >78,000 acres	ft^2 ÷ 3,400 acres ÷ 0.078	Landfill	D Area
>130,000 to 13 million ft^2 >2.9 to 290 acres	> 13 million ft^2 > 290 acres	ft^2 ÷ 13 acres ÷ 0.00029	Surface Impoundment	
> 340 million to 34 billion ft^2 > 7,800 to 780,000 acres	> 34 billion ft^2 > 780,000 acres	ft^2 ÷ 34,000 acres ÷ 0.78	Contaminated Soil	
> 130,000 to 13 million ft^2 > 2.9 to 290 acres	> 13 million ft^2 > 290 acres	ft^2 ÷ 13 acres ÷ 0.00029	Pile	
>2.7 million to 270 million ft^2 >62 to 6,200 acres	> 270 million ft^2 > 6,200 acres	ft^2 ÷ 270 acres ÷ 0.0062	Land Treatment	

1 ton = 2,000 pounds = 1 cubic yard = 4 drums = 200 gallons

HAZARDOUS WASTE QUANTITY (HWQ) CALCULATION

For each migration pathway, evaluate HWQ associated with sources that are available (i.e., incompletely contained) to migrate to that pathway. (Note: If *Actual Contamination Targets* exist for ground water, surface water, or air migration pathways, assign the calculated HWQ score or 100, whichever is greater, as the HWQ score for that pathway.) For each source, evaluate HWQ for one or more of the four tiers (SI Table 1; HRS Table 2-5) for which data exist: constituent quantity, wastestream quantity, source volume, and source area. Select the tier that gives the highest value as the source HWQ. Select the source volume HWQ rather than source area HWQ if data for both tiers are available.

Column 1 of SI Table 1 indicates the quantity tier. Column 2 lists source types for the four tiers. Columns 3, 4, 5, and 6 provide ranges of waste amount for sites with only one source, corresponding to HWQ scores at the tops of the columns. Column 7 provides formulas to obtain source waste quantity values at sites with multiple sources.

1. Identify each source type.
2. Examine all waste quantity data available for each source. Record constituent quantity and waste stream mass or volume. Record dimensions of each source.
3. Convert source measurements to appropriate units for each tier to be evaluated.
4. For each source, use the formulas in the last column of SI Table 1 to determine the waste quantity value for each tier that can be evaluated. Use the waste quantity value obtained from the highest tier as the quantity value for the source.
5. Sum the values assigned to each source to determine the total site waste quantity.
6. Assign HWQ score from SI Table 2 (HRS Table 2-6).

Note these exceptions to evaluate soil exposure pathway HWQ (see HRS Table 5-2):

- The divisor for the area (square feet) of a landfill is 34,000.
- The divisor for the area (square feet) of a pile is 34.
- Wet surface impoundments and tanks and non-drum containers are the only sources for which volume measurements are evaluated for the soil exposure pathway.

SI TABLE 2: HWQ SCORES FOR SITES

Site WQ Total	HWQ Score
0	0
1[a] to 100	1[b]
> 100 to 10,000	100
> 10,000 to 1 million	10,000
> 1 million	1,000,000

[a] If the WQ total is between 0 and 1, round it to 1.
[b] If the hazardous constituent quantity data are not complete, assign the score of 10.

SI TABLE 3: WASTE CHARACTERIZATION WORKSHEET

Site Name: [illegible] References 2

Sources:

1. Pond
2. [illegible]
3. [illegible]
4.
5.
6.
7.
8.
9.

SOURCE	HAZARDOUS SUBSTANCE	TOXICITY	GROUND WATER PATHWAY		SURFACE WATER PATHWAY: OVERLAND/FLOOD MIGRATION (Food)							GROUND WATER TO SURFACE WATER (Env.)				AIR
		A	B GW Mobility (HRS Table 3-8)	AB Tox/ Mobility Value (HRS Table 3-9)	C Per (HRS Tables 4-10 and 4-11)	AC Tox/Per Value (HRS Table 4-12)	D Bioac Pot. (HRS Table 4-15)	(AC)D Tox/ Pers/ Bioac Value (HRS Table 4-16)	E Ecotox (HRS Table 4-19)	CE Ecotox/ Pers (HRS Table 4-20)	(CE)F Ecotox/ Pers/ Bioacc Value (HRS Table 4-21)	BIO Acc Pot	Tox/ Mob/ Pers/ Bioacc Value (HRS Table 4-28)	Ecotox/ Mob/ Pers Value (HRS Table 4-29)	Ecotox/ Mob/ Per/ Bioacc Value (HRS Table 4-30)	Toxicity mobility
1,2,3	Zinc	10	.002	.02	1	10	500	5,000	10	10	5,000	500				NA
1,2	Aluminum	—	—	—	1	—	50	—	10	10	5,000	500				NA
1,2	[illegible]	10,000	.01	100	1	10,000	.5	5,000	—	—	—	50,000				NA
1	Iron	—	.01	—	1	—	.5	—	10	10	5	.5				NA
1,2,3	Cadmium	10,000	.2	2,000	1	10,000	5,000	5[7]	1000	1000	5[6]	5,000				NA
1,2,3	Lead	10,000	.00002		1		50		1,000			5,000				NA
2,3	Barium	10	.01	.1	1	10	.5	5	1	1	.5	.5				NA
2	[illegible]	1	.01	.01	1	1	.5	.5	—	—	—	5,000				NA
2	Chromium	10,000	.01	10	1	1,000	5.	5,000	10,000	10,000	50,000	5.				NA
2	Copper	—	.01	—	1	—	50,000	—	100	100	500,000	50,000				NA
2,3	Nickel	10,000	.00002		1		.5		10			500				NA
2	Zinc	—	—	—	—	—	—	—	—	—	—					—
2	Vanadium	100	—	—	1	100	.5	50	—	—	—	.5				NA
2,3	[illegible]	10,000	.00002	.2	1	10,000	50,000	5[8]	10,000	10,000	5[7]	50,000				.2

SI TABLE 3: WASTE CHARACTERIZATION WORKSHEET

Site Name: Southern Combustion Maintenance

References _____

Sources:

1. Pond
2. Old waste disposal area
3. Soil
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

SOURCE	HAZARDOUS SUBSTANCE	TOXICITY A	GROUND WATER PATHWAY		SURFACE WATER PATHWAY											
					OVERLAND/FLOOD MIGRATION							GROUND WATER TO SURFACE WATER				
			B GW Mobility (HRS Table 3-8)	A E Tox/ Mobility Value (HRS Table 3-9)	C. Per (HRS Tables 4-10 and 4-11)	A C Tox/Per Value (HRS Table 4-12)	D Bioac Pot. (HRS Table 4-15)	A C D Tox/ Pers/ Bioac Value (HRS Table 4-18)	E Ecotox (HRS Table 4-19)	C E Ecotox/ Pers (HRS Table 4-20)	Ecotox/ Pers/ Bioacc Value (HRS Table 4-21)	F Bio Acc Pot	Tox/ Mob/ Pers/ Bioacc Value (HRS Table 4-28)	Ecotox/ Mob/ Pers Value (HRS Table 4-29)	Ecotox/ Mob/ Per/ Bioacc Value (HRS Table 4-30)	
3	Cyanide	100	—	—	.4	40	.5	20	4,000	400	200	.5				NA

Ground Water Observed Release Substances Summary Table

On SI Table 4, list the hazardous substances associated with the site detected in ground water samples for that aquifer. Include only those substances directly observed or with concentrations significantly greater than background levels. Obtain toxicity values from the Superfund Chemical Data Matrix (SCDM). Assign mobility a value of 1 for all observed release substances regardless of the aquifer being evaluated. For each substance, multiply the toxicity by the mobility to obtain the toxicity/mobility factor value; enter the highest toxicity/mobility value for the aquifer in the space provided.

Ground Water Actual Contamination Targets Summary Table

If there is an observed release at a drinking water well, enter each hazardous substance meeting the requirements for an observed release by well and sample ID on SI Table 5 and record the detected concentration. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For MCL and MCLG benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the population using the well as a Level I target. If these percentages are less than 100% or all are N/A, evaluate the population using the well as a Level II target for that aquifer.

SI TABLE 4: GROUND WATER OBSERVED RELEASE SUBSTANCES (BY AQUIFER)

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Mobility	References
[illegible]	[illegible] (55	0 40	10,000	1
	[illegible] (2,000)	520	—	1
	Lead [illegible]	5u	10,000	1
MW 1B	[illegible] (30,000)	40	10,000	1
	Aluminum (270,000)	700	—	1
	Zinc (1200)	30	10	1
	Barium (1,300)	100u	10	1
	Cadmium (5)	1u	10,000	1
	Lead (660)	5u	10,000	1
		Highest Toxicity/Mobility	10,000	

SI TABLE 5: GROUND WATER ACTUAL CONTAMINATION TARGETS

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SI TABLE 4: GROUND WATER OBSERVED RELEASE SUBSTANCES (BY AQUIFER)

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Mobility	References
MW-1B	Cobalt (140)	50u	1	1
	Chromium (310)	10u	10,000	1
	Copper (190)	50u	—	1
	Nickel (250)	40u	10,000	1
	Tin (70)	20u	—	1
	Vanadium (600)	200u	100	1
	mercury (0.9)	0.2u	10,000	1
		Highest Toxicity/Mobility	10,000	

for Obs. Rel, Mob = 1

SI TABLE 5: GROUND WATER ACTUAL CONTAMINATION TARGETS

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

GROUND WATER PATHWAY
GROUND WATER USE DESCRIPTION

Describe Ground Water Use within 4 Miles of the Site:
Describe generalized stratigraphy, aquifers, municipal and private wells

Potable water within a 4-mile radius of the site is supplied by Iron City Utility, St. Joseph Utility, and numerous private wells which serve approximately 1,262 persons (Refs. 3, 5, 6, 7, 8). Iron City Utility serves approximately 590 persons and obtains its water from one spring located within the 0.50-mile site radius. This spring is the nearest groundwater source to the site (Refs. 9, 10). St. Joseph Utility obtains water from one spring that is outside the 4-mile radius (Ref. 6). Within the study area, there is no known use of groundwater for commercial irrigation or watering of livestock (Ref. 11). The groundwater pathway HRS score was based upon an observed release to groundwater and a target value derived from private wells and one small municipal system (Ref. 1, pp. 7-13; 3; 5; 6; 7; 8).

Show Calculations of Ground Water Drinking Water Populations for each Aquifer:
Provide apportionment calculations for blended supply systems. Lawrence Co., Ala.
County average number of persons per household: 2.62 Reference 7,8
2.53 Lauderdale
2.65 Wayne Co.

Iron City Utility serves approximately 590 persons plus there are approximately [illegible] persons being served by private wells.

Radius	No. of Houses	County Population	Residence	
½-1	13	2.62 Lawrence	34 + 590 Iron City = 624	
1-2	39	2.62 (Lawrence)	102	146
	8	2.53 (Lauderdale)	20	
	9	2.65 (Wayne)	24	
2-3	9	2.65 (Wayne)	24	333
	63	2.62 (Lawrence)	165	
	57	2.53 (Lauderdale)	144	
3-4	102	2.62 (Lawrence)	267	750
	144	2.53 (Lauderdale)	364	
	45	2.65 (Wayne)	119	

GROUND WATER PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to the aquifer, assign a score of 550. Record observed release substances on SI Table 4.	550	H	1 App. 7-H
2. POTENTIAL TO RELEASE: Depth to aquifer: <3 feet. If sampling data do not support a release to the aquifer, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Optionally, evaluate potential to release according to HRS Section 3.			
LR =	550		

TARGETS			
Are any wells part of a blended system? Yes____ No ✓ If yes, attach a page to show apportionment calculations.			
3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates that any target drinking water well for the aquifer has been exposed to a hazardous substance from the site, evaluate the factor score for the number of people served (SI Table 5). Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Total =	0	H	1
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water wells for the aquifer or overlying aquifers that are not exposed to a hazardous substance from the site; record the population for each distance category in SI Table 6a or 6b. Sum the population values and multiply by 0.1.	31	H	1,3 4,6,7
5. NEAREST WELL: Assign a score of 50 for any Level I Actual Contamination Targets for the aquifer or overlying aquifer. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Targets exist, assign the Nearest Well score from SI Table 6a or 6b. If no drinking water wells exist within 4 miles, assign 0.	9	H	3
6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA for the aquifer, or if a ground water observed release has occurred within a WHPA, assign a score of 20; assign 5 if neither condition applies but a WHPA is within 4 miles; otherwise assign 0.	0	H	3
7. RESOURCES: Assign a score of 5 if one or more ground water resource applies; assign 0 if none applies. • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Supply for commercial aquaculture • Supply for a major or designated water recreation area, excluding drinking water use	0	H	9
Sum of Targets T=	40		

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS

SI Table 6a: Other Than Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Rel.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile	0	20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455	0	1,3 4,6,7
> $\frac{1}{4}$ to $\frac{1}{2}$ mile	0	18	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122	0	[illegible]
> $\frac{1}{2}$ to 1 mile	624	9	1	5	17	52	167	523	1,669	5,224	16,684	52,239	166,835	522,385	167	1,3 4,6,7
> 1 to 2 miles	146	5	0.7	3	10	30	94	294	939	2,939	9,385	29,384	93,845	293,842	30	1,3,4 6,7
> 2 to 3 miles	323	3	0.5	2	7	21	68	212	678	2,122	6,778	21,222	67,777	212,219	68	1,3 4,6,7
>3 to 4 miles	7[illegible]	2	0.3	1	4	13	42	131	417	1,306	4,171	13,060	41,709	130,596	[illegible]	1,3,4 6,7

Nearest Well = 9

Sum = 307

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS (continued)

SI Table 6b: Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Rel.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455		
> $\frac{1}{4}$ to $\frac{1}{2}$ mile		20	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122		
> $\frac{1}{2}$ to 1 mile		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 1 to 2 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 2 to 3 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
>3 to 4 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		

Nearest Well = [ ]

Sum = [ ]

GROUND WATER PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS	Score	Data Type	Does not Apply
8. If any Actual Contamination Targets exist for the aquifer or overlying aquifers, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if no Actual Contamination Targets exist, assign the hazardous waste quantity score calculated for sources available to migrate to ground water.	100	H	1.1
9. Assign the highest ground water toxicity/mobility value from SI Table 3 or 4.	10 000	H	1.7-1.4
10. Multiply the ground water toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below: (from HRS Table 2-7)	32	H	1
WC =	32		

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

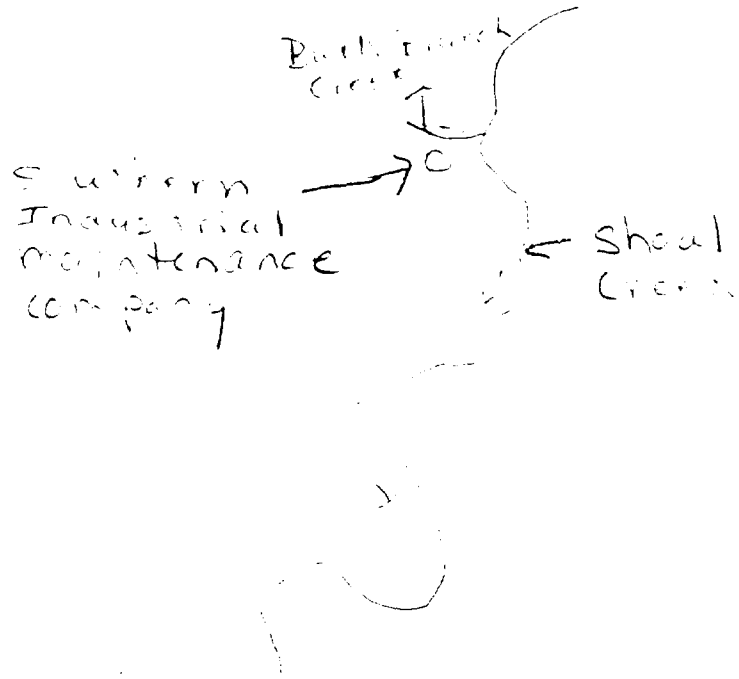
Multiply LR by T and by WC. Divide the product by 82,500 to obtain the ground water pathway score for each aquifer. Select the highest aquifer score. If the pathway score is greater than 100, assign 100.

GROUND WATER PATHWAY SCORE: $\frac{LR \times T \times WC}{82,500}$ = 8.53 (Maximum of 100)

5 [illegible] x 40 [illegible] 32

SURFACE WATER PATHWAY

Sketch of the Surface Water Migration Route:
Label all surface water bodies. Include runoff route and drainage direction, probable point of entry, and 15-mile target distance limit. Mark sample locations, intakes, fisheries, and sensitive environments. Indicate flow directions, tidal influence, and rate.



Surface water from the site flows overland approximately 150 feet north to Buck Branch Creek (Ref. 3). The 15-mile downstream path begins in Buck Branch Creek which flow to the east approximately 0.25 mile to the confluence of Shoal Creek (Ref. 3). Shoal Creek flows south to complete this pathway (Ref. 3). Shoal Creek is used for recreational fishing, but there is no known fishing in Buck Branch Creek (Ref. 12). The flow rate information for Buck Branch Creek was not available; however, a topographic analysis shows that the creek is a small to moderate creek with an estimated flow rate of 10 to 100 cubic feet per second (cfs) (Ref. 3). Shoal Creek's annual mean flow rate is approximately 574 cfs. (Ref. 13). There are no known surface water intakes along this pathway; however, there are approximately 9 miles of wetlands (Ref. 14). The Southern Industrial Maintenance Company site is located within a 100 year flood plain (Ref. 15). There are, however, no known federal or state endangered or threatened species within the 15 mile downstream pathway (Refs. 16, 17). The surface water pathway HRS score was based on a potential to release and very few targets.

SURFACE WATER PATHWAY

Surface Water Observed Release Substances Summary Table

On SI Table 7, list the hazardous substances detected in surface water samples for the watershed, which can be attributed to the site. Include only those substances in observed releases (direct observation) or with concentration levels significantly above background levels. Obtain toxicity, persistence, bioaccumulation potential, and ecotoxicity values from SCDM. Enter the highest toxicity/persistence, toxicity/persistence/bioaccumulation, and ecotoxicity/persistence/ecobioaccumulation values in the spaces provided.

- TP = Toxicity x Persistence
- TPB = TP x bioaccumulation
- ETPB = EP x bioaccumulation (EP = ecotoxicity x persistence)

Drinking Water Actual Contamination Targets Summary Table

For an observed release at or beyond a drinking water intake, on SI Table 8 enter each hazardous substance by sample ID and the detected concentration. For surface water sediment samples detecting a hazardous substance at or beyond an intake, evaluate the intake as Level II contamination. Obtain benchmark, cancer risk, and reference dose concentrations for each substance from SCDM. For MCL and MCLG benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages of the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the population served by the intake as a Level I target. If the percentages are less than 100% or all are N/A, evaluate the population served by the intake as a Level II target.

SI TABLE 7: SURFACE WATER OBSERVED RELEASE SUBSTANCES

Sample ID	and concentration Hazardous Substance	Bckgrd. Conc.	Toxicity/ Persistence	Toxicity/ Persis./ Bioaccum	Ecotoxicity/ Persis/ Ecobioaccum	References
		Highest Values				

SI TABLE 8: SURFACE WATER DRINKING WATER ACTUAL CONTAMINATION TARGETS

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET

LIKELIHOOD OF RELEASE– OVERLAND/FLOOD MIGRATION	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.	0	H	1
2. POTENTIAL TO RELEASE: Distance to surface water: 150 (feet) If sampling data do not support a release to surface water in the watershed, use the table below to assign a score from the table below based on distance to surface water and flood frequency.			

Distance to surface water <2500 feet	500
Distance to surface water >2500 feet, and:	
Site in annual or 10-yr floodplain	500
Site in 100-yr floodplain	400
Site in 500-yr floodplain	300
Site outside 500-yr floodplain	100

Optionally, evaluate surface water potential to release according to HRS Section 4.1.2.1.2 — 1,3,13

LR = 480

LIKELIHOOD OF RELEASE GROUND WATER TO SURFACE WATER MIGRATION	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.			
NOTE: Evaluate ground water to surface water migration only for a surface water body that meets all of the following conditions:			
1) A portion of the surface water is within 1 mile of site sources having a containment factor greater than 0.			
2) No aquifer discontinuity is established between the source and the above portion of the surface water body.			
3) The top of the uppermost aquifer is at or above the bottom of the surface water.			
Elevation of top of uppermost aquifer _____			
Elevation of bottom of surface water body _____			
2. POTENTIAL TO RELEASE: Use the ground water potential to release. Optionally, evaluate surface water potential to release according to HRS Section 3.1.2.			

LR =

A([illegible]) =

A - [illegible] - 10 + Flood Plain A x B =

T - Runoff - 3 A = 10

C - Distance - 20 B = 25

10 x 25 = 250

10(3 + 20) = 230

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET (CONTINUED)

DRINKING WATER THREAT TARGETS	Score	Data Type	Refs
Record the water body type, flow, and number of people served by each drinking water intake within the target distance limit in the watershed. If there is no drinking water intake within the target distance limit, assign 0 to factors 3, 4, and 5. Intake Name / Water Body Type / Flow / People Served _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ Are any intakes part of a blended system? Yes _____ No _____ If yes, attach a page to show apportionment calculations. 3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates a drinking water intake has been exposed to a hazardous substance from the site, list the intake name and evaluate the factor score for the drinking water population (SI Table 8). _____ , _____ Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ **Total =**	0	H	4,5
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water intakes for the watershed that have not been exposed to a hazardous substance from the site. Assign the population values from SI Table 9. Sum the values and multiply by 0.1.	0	H	4,5
5. NEAREST INTAKE: Assign a score of 50 for any Level I Actual Contamination Drinking Water Targets for the watershed. Assign a score of 45 if there are Level II targets for the watershed, but no Level I targets. If no Actual Contamination Drinking Water Targets exist, assign a score for the intake nearest the PPE from SI Table 9. If no drinking water intakes exist, assign 0.	0	H	4,5
6. RESOURCES: Assign a score of 5 if one or more surface water resource applies; assign 0 if none applies. • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Major or designated water recreation area, excluding drinking water use	0	H	10
SUM OF TARGETS T=	0		

SI TABLE 9 (From HRS Table 4-14): DILUTION-WEIGHTED POPULATION VALUES FOR POTENTIAL CONTAMINATION FOR SURFACE WATER MIGRATION PATHWAY

Type of Surface Water Body	Pop.	Nearest Intake	Number of people									Pop. Value
			0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	
Minimal Stream (<10 cfs)		20	0	4	17	53	164	522	1,633	5,214	16,325	
Small to moderate stream (10 to 100 cfs)		2	0	0.4	2	5	16	52	163	521	1,633	
Moderate to large stream (> 100 to 1,000 cfs)		0	0	0.04	0.2	0.5	2	5	16	52	163	
Large Stream to river (>1,000 to 10,000 cfs)		0	0	0.004	0.02	0.05	0.2	0.5	2	5	16	
Large River (> 10,000 to 100,000 cfs)		0	0	0	0.002	0.005	0.02	0.05	0.2	0.5	16	
Very Large River (>100,000 cfs)		0	0	0	0	0.001	0.002	0.005	0.02	0.05	0.2	
Shallow ocean zone or Great Lake (depth < 20 feet)		0	0	0	0.002	0.005	0.02	0.05	0.2	0.5	2	
Moderate ocean zone or Great Lake (Depth 20 to 200 feet)		0	0	0	0	0.001	0.002	0.005	0.02	0.05	0.2	
Deep ocean zone or Great Lake (depth > 200 feet)		0	0	0	0	0	0.001	0.003	0.008	0.03	0.08	
3-mile mixing zone in quiet flowing river (≥ 10 cfs)		10	0	2	9	26	82	261	817	2,607	8,163	

Nearest Intake = [ ]

Sum = [ ]

References _____

SURFACE WATER PATHWAY

Human Food Chain Actual Contamination Targets Summary Table

On SI Table 10, list the hazardous substances detected in sediment, aqueous, sessile benthic organism tissue, or fish tissue samples (taken from fish caught within the boundaries of the observed release) by sample ID and concentration. Evaluate fisheries within the boundaries of observed releases detected by sediment or aqueous samples as Level II, if at least one observed release substance has a bioaccumulation potential factor value of 500 or greater (see SI Table 7). Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For FDAAL benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate this portion of the fishery as subject to Level I concentrations. If the percentages are less than 100% or all are N/A, evaluate the fishery as a Level II target.

Sensitive Environment Actual Contamination Targets Summary Table

On SI Table 11, list each hazardous substance detected in aqueous or sediment samples at or beyond wetlands or a surface water sensitive environment by sample ID. Record the concentration. If contaminated sediments or tissues are detected at or beyond a sensitive environment, evaluate the sensitive environment as Level II. Obtain benchmark concentrations from SCDM. For AWQC/AALAC benchmarks, determine the highest percentage of benchmark of the substances detected in aqueous samples. If benchmark concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage equals or exceeds 100%, evaluate that part of the sensitive environment subject to Level I concentrations. If the percentage is less than 100%, or all are N/A, evaluate the sensitive environment as Level II.

SI TABLE 10: HUMAN FOOD CHAIN ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Fishery ID: _____ Sample Type _____ Level I _____ Level II _____ References _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Benchmark Concentration (FDAAL)	% of Benchmark	Cancer Risk Concentration.	% of Cancer Risk Concentration	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SI TABLE 11: SENSITIVE ENVIRONMENT ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Environment ID: _____ Sample Type _____ Level I _____ Level II _____ Environment Value _____

Sample ID	Hazardous Substance	Conc.. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
			Highest Percent		

Environment ID: _____ Sample Type _____ Level I _____ Level II _____ Environment Value _____

Sample ID	Hazardous Substance	Conc.. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
			Highest Percent		

SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT WORKSHEET

HUMAN FOOD CHAIN THREAT TARGETS	Score	Data Type	Refs
Record the water body type and flow for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a score of 0 at the bottom of this page.			

Fishery Name Spring Creek Water Body [illegible] Flow 574 cfs

Species_____ Production_____lbs/yr
Species_____ Production_____lbs/yr

Fishery Name_____ Water Body_____ Flow_____cfs

Species_____ Production_____lbs/yr
Species_____ Production_____lbs/yr

Fishery Name_____ Water Body_____ Flow_____cfs

Species_____ Production_____lbs/yr
Species_____ Production_____lbs/yr

FOOD CHAIN INDIVIDUAL

7. ACTUAL CONTAMINATION FISHERIES:

If analytical evidence indicates that a fishery has been exposed to a hazardous substance with a bioaccumulation factor greater than or equal to 500 (SI Table 10), assign a score of 50 if there is a Level I fishery. Assign 45 if there is a Level II fishery, but no Level I fishery.

8. POTENTIAL CONTAMINATION FISHERIES:

If there is a release of a substance with a bioaccumulation factor greater than or equal to 500 to a watershed containing fisheries within the target distance limit, but there are no Level I or Level II fisheries, assign a score of 20.

If there is no observed release to the watershed, assign a value for potential contamination fisheries from the table below using the lowest flow at all fisheries within the target distance limit:

Lowest Flow	FCI Value
<10 cfs	20
10 to 100 cfs	2
>100 cfs, coastal tidal waters, oceans, or Great Lakes	0
3-mile mixing zone in quiet flowing river	10

FCI Value = 0 H 12,13

SUM OF TARGETS T = 0

SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT WORKSHEET

When measuring length of wetlands that are located on both sides of a surface water body, sum both frontage lengths For a sensitive environment that is more than one type, assign a value for each type.

ENVIRONMENTAL THREAT TARGETS	Score	Data Type	Refs

Record the water body type and flow for each surface water sensitive environment within the target distance (see SI Table 12). If there is no sensitive environment within the target distance limit, assign a score of 0 at the bottom of the page.

Environment Name	Water Body Type	Flow
[illegible]		574 cfs
		cfs
		cfs
		cfs
		cfs

9. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: If sampling data or direct observation indicate any sensitive environment has been exposed to a hazardous substance from the site, record this information on SI Table 11, and assign a factor value for the environment (SI Tables 13 and 14).

Environment Name	Environment Type and Value (SI Tables 13 & 14)	Multiplier (10 for Level I, 1 for Level II)	Product
		x =	
		x =	
		x =	
		x =	
		Sum =	

10. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS:

Flow	Dilution Weight (SI Table 12)	Environment Type and Value (SI Tables 13 & 14)	Pot. Cont.	Product
574 cfs	.01 x	250 (wetlands) x	0.1 =	.25
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
		Sum =		

Score	Data Type	Refs
.25	H	12

T = .25

SI TABLE 12 (HRS Table 4-13):
SURFACE WATER DILUTION WEIGHTS

Type of Surface Water Body		Assigned Dilution Weight
Descriptor	Flow Characteristics	
Minimal stream	< 10 cfs	1
Small to moderate stream	10 to 100 cfs	0.1
Moderate to large stream	> 100 to 1,000 cfs	0.01
Large stream to river	> 1,000 to 10,000 cfs	0.001
Large river	> 10,000 to 100,000 cfs	0.0001
Very large river	> 100,000 cfs	0.00001
Coastal tidal waters	Flow not applicable; depth not applicable	~~0.001~~ 0.00001
Shallow ocean zone or Great Lake	Flow not applicable; depth less than 20 feet	~~0.001~~ 0.00001
Moderate depth ocean zone or Great Lake	Flow not applicable; depth 20 to 200 feet	~~0.0001~~ 0.000001
Deep ocean zone or Great Lake	Flow not applicable; depth greater than 200 feet	0.000005
3-mile mixing zone in quiet flowing river	10 cfs or greater	0.5

SI TABLE 13 (HRS TABLE 4-23): SURFACE WATER AND AIR SENSITIVE ENVIRONMENTS VALUES

SENSITIVE ENVIRONMENT	*ASSIGNED VALUE*
Critical habitat for Federal designated endangered or threatened species Marine Sanctuary National Park Designated Federal Wilderness Area Ecologically important areas identified under the Coastal Zone Wilderness Act Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act Critical Areas identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes) National Monument (air pathway only) National Seashore Recreation Area National Lakeshore Recreation Area	100
Habitat known to be used by Federal designated or proposed endangered or threatened species National Preserve National or State Wildlife Refuge Unit of Coastal Barrier Resources System Coastal Barrier (undeveloped) Federal land designated for the protection of natural ecosystems Administratively Proposed Federal Wilderness Area Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay, or estuary Migratory pathways and feeding areas critical for the maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time Terrestrial areas utilized by large or dense aggregations of vertebrate animals (semi-aquatic foragers) for breeding National river reach designated as recreational	75
Habitat known to be used by State designated endangered or threatened species Habitat known to be used by a species under review as to its Federal endangered or threatened status Coastal Barrier (partially developed) Federally designated Scenic or Wild River	50
State land designated for wildlife or game management State designated Scenic or Wild River State designated Natural Area Particular areas, relatively small in size, important to maintenance of unique biotic communities	25
State designated areas for the protection of maintenance of aquatic life under the Clean Water Act	5
Wetlands See SI Table 14 (Surface Water Pathway) or SI Table 23 (Air Pathway)	

SI TABLE 14 (HRS TABLE 4-24): SURFACE WATER WETLANDS FRONTAGE VALUES

Total Length of Wetlands	Assigned Value
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

SURFACE WATER PATHWAY (concluded)
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

WASTE CHARACTERISTICS	Score
14. If an Actual Contamination Target (drinking water, human food chain, or environmental threat) exists for the watershed, assign the calculated hazardous waste quantity score, or a score of 100, whichever is greater.	100
15. Assign the highest value from SI Table 7 (observed release) or SI Table 3 (no observed release) for the hazardous substance waste characterization factors below. Multiply each by the surface water hazardous waste quantity score and determine the waste characteristics score for each threat.	

	Substance Value		HWQ		Product	WC Score (from Table) (Maximum of 100)
Drinking Water Threat Toxicity/Persistence	10,000	x	100	=	1 x 10^6	32
Food Chain Threat Toxicity/Persistence Bioaccumulation	500,000,000	x	100	=	5 x 10^10	320
Environmental Threat Ecotoxicity/Persistence/ Ecobioaccumulation	5[illegible]	x	100	=	5 x 10^10	320

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 to <1E + 09	100
1E + 09 to <1E + 10	180
1E + 10 to <1E + 11	320
1E + 11 to <1E + 12	560
1E + 12 or greater	1000

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score $\frac{LR \times T \times WC}{82,500}$
Drinking Water	480	0	32	(maximum of 100) 0
Human Food Chain	480	0	320	(maximum of 100) 0
Environmental	480	0.25	320	(maximum of 60) 0.47

SURFACE WATER PATHWAY SCORE (Drinking Water Threat + Human Food Chain Threat + Environmental Threat) — (maximum of 100): 0.47

SOIL EXPOSURE PATHWAY

If there is no observed contamination (e.g., ground water plume with no known surface source), do not evaluate the soil exposure pathway. Discuss evidence for no soil exposure pathway.

Soil Exposure Resident Population Targets Summary

For each property (duplicate page 35 as necessary):

If there is an area of observed contamination on the property and within 200 feet of a residence, school, or day care center, enter on Table 15 each hazardous substance by sample ID. Record the detected concentration. Obtain cancer risk, and reference dose concentrations from SCDM. Sum the cancer risk and reference dose percentages for the substances listed. If cancer risk or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the residents and students as Level I. If both percentages are less than 100% or all are N/A, evaluate the targets as Level II.

SI TABLE 15: SOIL EXPOSURE RESIDENT POPULATION TARGETS

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
			Highest Percent		Sum of Percents		Sum of Percents	

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
			Highest Percent		Sum of Percents		Sum of Percents	

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
			Highest Percent		Sum of Percents		Sum of Percents	

SOIL EXPOSURE PATHWAY WORKSHEET
RESIDENT POPULATION THREAT

LIKELIHOOD OF EXPOSURE	Score	Data Type	Refs
1. OBSERVED CONTAMINATION: If evidence indicates presence of observed contamination (depth of 2 feet or less), assign a score of 550; otherwise, assign a 0. Note that a likelihood of exposure score of 0 results in a soil exposure pathway score of 0.	550	H	1
LE =	550		

TARGETS			
2. RESIDENT POPULATION: Determine the number of people living or attending school or day care on a property with an area of observed contamination and whose residence, school, or day care center, respectively, is on or within 200 feet of the area of observed contamination. Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Sum =	0	H	12
3. RESIDENT INDIVIDUAL: Assign a score of 50 if any Level I resident population exists. Assign a score of 45 if there are Level II targets but no Level I targets. If no resident population exists (*i.e.*, no Level I or Level II targets), assign 0 (HRS Section 5.1.3).	0	H	13
4. WORKERS: Assign a score from the table below for the total number of workers at the site and nearby facilities with areas of observed contamination associated with the site.	0	H	1,p.3
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value for each terrestrial sensitive environment (SI Table 16) in an area of observed contamination. Sum =	0	H	14,15
6. RESOURCES: Assign a score of 5 if any one or more of the following resources is present on an area of observed contamination at the site; assign 0 if none applies. • Commercial agriculture • Commercial silviculture • Commercial livestock production or commercial livestock grazing	0	H	[illegible]
Total of Targets T=	0		

Number of Workers	Score
0	0
1 to 100	5
101 to 1,000	10
>1,000	15

Terrestrial Sensitive Environment Type	Value

SI TABLE 16 (HRS TABLE 5-5): SOIL EXPOSURE PATHWAY TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

TERRESTRIAL SENSITIVE ENVIRONMENT	*ASSIGNED VALUE*
Terrestrial critical habitat for Federal designated endangered or threatened species National Park Designated Federal Wilderness Area National Monument	100
Terrestrial habitat known to be used by Federal designated or proposed threatened or endangered species National Preserve (terrestrial) National or State terrestrial Wildlife Refuge Federal land designated for protection of natural ecosystems Administratively proposed Federal Wilderness Area Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	75
Terrestrial habitat used by State designated endangered or threatened species Terrestrial habitat used by species under review for Federal designated endangered or threatened status	50
State lands designated for wildlife or game management State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25

SOIL EXPOSURE PATHWAY WORKSHEET
NEARBY POPULATION THREAT

LIKELIHOOD OF EXPOSURE	Score	Data Type	Ref
7. Attractiveness/Accessibility (from SI Table 17 or HRS Table 5-6) Value 10			
Area of Contamination (from SI Table 18 or HRS Table 5-7) Value 40			
Likelihood of Exposure (from SI Table 19 or HRS Table 5-8)		H	1,2
LE =	5		

note: if there is no area of observed contamination, LE = 0.

TARGETS	Score	Data Type	Ref.
8. Assign a score of 0 if Level I or Level II resident individual has been evaluated or if no individuals live within 1/4 mile travel distance of an area of observed contamination. Assign a score of 1 if nearby population is within 1/4 mile travel distance and no Level I or Level II resident population has been evaluated.	1	H	3
9. Determine the population within 1 mile travel distance that is not exposed to a hazardous substance from the site (*i.e.*, properties that are not determined to be Level I or Level II); record the population for each distance category in SI Table 20 (HRS Table 5-10). Sum the population values and multiply by 0.1.	.9	H	3,6,7
T =	2		

SI TABLE 17 (HRS TABLE 5-6): ATTRACTIVENESS/ACCESSIBILITY VALUES

Area of Observed Contamination	Assigned Value
Designated recreational area	100
Regularly used for public recreation (for example, vacant lots in urban area)	75
Accessible and unique recreational area (for example, vacant lots in urban area)	75
Moderately accessible (may have some access improvements–for example, gravel road) with some public recreation use	50
Slightly accessible (for example, extremely rural area with no road improvement) with some public recreation use	25
Accessible with no public recreation use	10
Surrounded by maintained fence or combination of maintained fence and natural barriers	5
Physically inaccessible to public, with no evidence of public recreation use	0

SI TABLE 18 (HRS TABLE 5-7): AREA OF CONTAMINATION FACTOR VALUES

Total area of the areas of observed contamination (square feet)	Assigned Value
≤ to 5,000	5
> 5,000 to 125,000	20
> 125,000 to 250,000	40
> 250,000 to 375,000	60
> 375,000 to 500,000	80
> 500,000	100

SI TABLE 19 (HRS TABLE 5-8): NEARBY POPULATION LIKELIHOOD OF EXPOSURE FACTOR VALUES

AREA OF CONTAMINATION FACTOR VALUE	ATTRACTIVENESS/ACCESSIBILITY FACTOR VALUE						
	100	75	50	25	10	5	0
100	500	500	375	250	125	50	0
80	500	375	250	125	50	25	0
60	375	250	125	50	25	5	0
40	250	125	50	25	5	5	0
20	125	50	25	5	5	5	0
5	50	25	5	5	5	5	0

SI TABLE 20 (HRS TABLE 5-10): DISTANCE-WEIGHTED POPULATION VALUES FOR NEARBY POPULATION THREAT

Travel Distance Category (miles)	Pop.	Number of people within the travel distance category												Pop. Value
		0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,001	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	
Greater than 0 to $\frac{1}{4}$	60	0	0.1	0.4	1.0	4	13	41	130	408	1,303	4,081	13,034	1
Greater than $\frac{1}{4}$ to $\frac{1}{2}$	473	0	0.05	0.2	0.7	2	7	20	65	204	652	2,041	6,517	7
Greater than $\frac{1}{2}$ to 1	183	0	0.02	0.1	0.3	1	3	10	33	102	326	1,020	3,258	1

Reference(s) 3, 7, 8, 18

Sum = 9

SOIL EXPOSURE PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS

10.	Assign the hazardous waste quantity score calculated for soil exposure HRS Section 5.1.2.2 and HRS Table 5-2.	100
11.	Assign the highest toxicity value from SI Table 16, 3 or for the soil exposure pathway	100
12.	Multiply the toxicity and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:	WC = 32

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

RESIDENT POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 1;
Targets = Sum of Questions 2, 3, 4, 5, 6)

LE X T X WC
~~82,500~~
550 X 0 X 32

0

NEARBY POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 7;
Targets = Sum of Questions 8, 9)

LE X T X WC
~~82,500~~
5 X 2 X 32

0.00

SOIL EXPOSURE PATHWAY SCORE:
Resident Population Threat + Nearby Population Threat ÷ 82,500

0.00
(Maximum of 100)

AIR PATHWAY

Air Pathway Observed Substances Summary Table

On SI Table 21, list the hazardous substances detected in air samples of a release from the site. Include only those substances with concentrations significantly greater than background levels. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For NAAQS/NESHAPS benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate targets in the distance category from which the sample was taken and any closer distance categories as Level I. If the percentages are less than 100% or all are N/A, evaluate targets in that distance category and any closer distance categories that are not Level I as Level II.

SI TABLE 21: AIR PATHWAY OBSERVED RELEASE SUBSTANCES

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) ____ References _____

Hazardous Substance	Conc. (µg/m³)	Gaseous Particulate	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
	Highest Toxicity/ Mobility		Highest Percent		Sum of Percents		Sum of Percents	

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) ____ References _____

Hazardous Substance	Conc. (µg/m³)	Toxicity/ Mobility	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
	Highest Toxicity/ Mobility		Highest Percent		Sum of Percents		Sum of Percents	

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) ____ References _____

Hazardous Substance	Conc. (µg/m³)	Toxicity/ Mobility	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
	Highest Toxicity/ Mobility		Highest Percent		Sum of Percents		Sum of Percents	

AIR PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to air, assign a score of 550. Record observed release substances on SI Table 21.	0	H	1
2. POTENTIAL TO RELEASE: If sampling data do not support a release to air, assign a score of 500. Optionally, evaluate air migration gaseous and particulate potential to release (HRS Section 6.1.2).	500	H	1
LR =	500		

TARGETS			
3. ACTUAL CONTAMINATION POPULATION: Determine the number of people within the target distance limit subject to exposure from a release of a hazardous substance to the air. a) Level I: _____ people x 10 = _____ b) Level II: _____ people x 1 = _____ Total =	0	H	1
4. POTENTIAL TARGET POPULATION: Determine the number of people within the target distance limit not subject to exposure from a release of a hazardous substance to the air, and assign the total population score from SI Table 22. Sum the values and multiply the sum by 0.1.	5	H	1, 3, 6, 7
5. NEAREST INDIVIDUAL: Assign a score of 50 if there are any Level I targets. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Population exists, assign the Nearest Individual score from SI Table 22.	20	H	3
6. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (SI Table 13) and wetland acreage values (SI Table 23) for environments subject to exposure from the release of a hazardous substance to the air.	0	H	1
7. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS: Use SI Table 24 to evaluate sensitive environments not subject to exposure from a release.	0.84	H	12
8. RESOURCES: Assign a score of 5 if one or more air resources apply within 1/2 mile of a source; assign a 0 if none applies. • Commercial agriculture • Commercial silviculture • Major or designated recreation area	0	H	3
T =	26		

Sensitive Environment Type	Value
_____	_____
_____	_____
_____	_____

Wetland Acreage	Value
_____	_____
_____	_____
_____	_____

SI TABLE 22 (From HRS TABLE 6-17): VALUES FOR POTENTIAL CONTAMINATION AIR TARGET POPULATIONS

Distance from Site	Pop.	Nearest Individual (choose highest)	Number of People within the Distance Category												Pop. Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000	
On a source	0	20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455	0
0 to $\frac{1}{4}$ mile	60	*	1	4	13	41	131	408	1,304	4,081	13,034	40,812	130,340	408,114	13
> $\frac{1}{4}$ to $\frac{1}{2}$ mile	475	2	0.2	0.9	3	9	28	88	282	882	2,815	8,815	28,153	88,153	28
> $\frac{1}{2}$ to 1 mile	153	1	0.06	0.3	0.9	3	8	26	83	261	834	2,612	8,342	26,119	3
> 1 to 2 miles	146	0	0.02	0.09	0.3	0.8	3	8	27	83	266	833	2,659	8,326	0.8
> 2 to 3 miles	333	0	0.009	0.04	0.1	0.4	1	4	12	38	120	375	1,199	3,755	1
>3 to 4 miles	150	0	0.005	0.02	0.07	0.2	0.7	2	7	28	73	229	730	2,285	0.7
		Nearest Individual =	20											Sum =	46.5

References 1,3,6,7,16

* Score = 20 if the Nearest Individual is within $\frac{1}{8}$ mile of a source; score = 7 if the Nearest Individual is between $\frac{1}{8}$ and $\frac{1}{4}$ mile of a source.

	1-2	2-3	3-4
* [illegible]	102	165	267
[illegible] Co.	20	144	364
[illegible] Co.	24	24	119
	146	333	750

SI TABLE 23 (HRS TABLE 6-18): AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
< 1 acre	0
1 to 50 acres	25
> 50 to 100 acres	75
> 100 to 150 acres	125
> 150 to 200 acres	175
> 200 to 300 acres	250
> 300 to 400 acres	350
> 400 to 500 acres	450
> 500 acres	500

SI TABLE 24: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from SI Tables 13 and 20) 23	Product
On a Source	0.10	x	
		x	0
0 to 1/4 mile	0.025	x 11 wetlands	.625
		x (25)	
		x	
1/4 to 1/2 mile	0.0054	x 15 wetlands	.135
		x (25)	
		x	
1/2 to 1 mile	0.0016	x 6 wetlands	.04
		x (25)	
		x	
1 to 2 miles	0.0005	x 33 wetlands	.0125
		x (25)	
		x	
2 to 3 miles	0.00023	x 78 wetlands	.017
		x 75	
		x	
3 to 4 miles	0.00014	x 75 wetlands	.011
		x (75)	
		x	
> 4 miles	0	x	

Total Environments Score = .84

WASTE CHARACTERISTICS

9. If any Actual Contamination Targets exist for the air pathway, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if there are no Actual Contamination Targets for the air pathway, assign the calculated HWQ score for sources available to air migration. All sources must meet the minimum size requirement of 0.5 (HRS 6.1.2.1.2)	100
10. Assign the highest air toxicity/mobility value from SI Table 21.	2000
11. Multiply the air pathway toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:	WC = 18

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

AIR PATHWAY SCORE: $\frac{LR \cdot LE \times T \times WC}{82,500}$ = 2.84 (maximum of 100)

500 x 26 x 18

SITE SCORE CALCULATION	S	S^2
GROUND WATER PATHWAY SCORE (S_{GW})	8.53	72.7609
SURFACE WATER PATHWAY SCORE (S_{SW})	0.47	0.2209
SOIL EXPOSURE (S_S)	0.00	0
AIR PATHWAY SCORE (S_A)	2.84	8.0656
SITE SCORE $\sqrt{\frac{S_{GW}^2+S_{SW}^2+S_S^2+S_A^2}{4}}$ =		7.55

COMMENTS

no further action is recommended

Site Name: Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

GROUND WATER MIGRATION PATHWAY SCORESHEET

FACTOR CATEGORIES AND FACTORS

	Likelihood of Release to an Aquifer	Maximum Value	Value Assigned	
1.	Observed Release	550	550	
2.	Potential to Release			
	2a. Containment	10	0	
	2b. Net Precipitation	10	0	
	2c. Depth to Aquifer	5	0	
	2d. Travel Time	35	0	
	2e. Potential to Release [lines 2a x (2b + 2c + 2d)]	500	0	
3.	Likelihood of Release (higher of lines 1 or 2e)	550		550
	Waste Characteristics			
4.	Toxicity/Mobility	a	10,000	
5.	Hazardous Waste Quantity	a	100	
6.	Waste Characteristics	100		10
	Targets			
7.	Nearest Well	50	9	
8.	Population			
	8a. Level I Concentrations	b	0	
	8b. Level II Concentrations	b	0	
	8c. Potential Contamination	b	31	
	8d. Population (lines 8a + 8b + 8c)	b	31	
9.	Resources	5	0	
10.	Wellhead Protection Area	20	0	
11.	Targets (lines 7 + 8d + 9 + 10)	b		40
	Ground Water Migration Score for an Aquifer			
12.	Aquifer Score [(lines 3 x 6 x 11)/82,500][c]	100		9
	Ground Water Migration Pathway Score			
13.	Pathway Score (S_{GW}), (highest value from line 12 for all aquifers evaluated) ***	100		9

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to the nearest integer.

Site Name Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

	Factor Categories and Factors	Maximum Value	Value Assigned	
DRINKING WATER THREAT				
	Likelihood of Release			
1.	Observed Release	550	0	
2.	Potential Release by Overland Flow			
	2a. Containment	10	10	
	2b. Runoff	25	3	
	2c. Distance to Surface Water	25	20	
	2d. Potential to Release by Overland Flow [lines 2a x (2b + 2c)]	500	230	
3.	Potential to Release by Flood			
	3a. Containment (Flood)	10	10	
	3b. Flood Frequency	50	25	
	3c. Potential to Release by Flood (lines 3a x 3b)	500	250	
4.	Potential to Release (lines 2d + 3c, subject to a maximum of 500)	500	480	
5.	Likelihood to Release (higher of lines 1 and 4)	550		480
	Waste Characteristics			
6.	Toxicity/Persistence	a	10,000	
7.	Hazardous Waste Quantity	a	100	
8.	Waste Characteristics	100		32
	Targets			
9.	Nearest Intake	50	0	
10.	Population			
	10a. Level I Concentrations	b	0	
	10b. Level II Concentrations	b	0	
	10c. Potential Contamination	b	0	
	10d. Population (lines 10a + 10b + 10c)	b	0	
11.	Resources	5	0	
12.	Targets (lines 9 + 10d + 11)	b		0
	Drinking Water Threat Score			
13.	Drinking Water Threat Score ([lines 5 x 8 x 12]/82,500, subject to a maximum of 100)	100		0

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to nearest integer.

Site Name: Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

SURFACE WATER, OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET (continued)

	Factor Categories and Factors	Maximum Value	Value Assigned	
HUMAN FOOD CHAIN THREAT				
	Likelihood of Release			
14.	Likelihood of Release (same value as line 5)	550		480
	Waste Characteristics			
15.	Toxicity/Persistence/Bioaccumulation	a	5×10^8	
16.	Hazardous Waste Quantity	a	100	
17.	Waste Characteristics	1,000		320
	Targets			
18.	Food Chain Individual	50	0	
19.	Population			
	19a. Level I Concentrations	b	0	
	19b. Level II Concentrations	b	0	
	19c. Potential Human Food Chain Contamination	b	-	
	19c. Population (lines 19a + 19b + 19c)	b	0	
20.	Targets (lines 18 + 19d)			0
	Human Food Chain Threat Score			
21.	Human Food Chain Threat Score ([lines 14 x 17 x 20]/82,500, subject to a maximum of 100)	100		0
ENVIRONMENTAL THREAT				
	Likelihood of Release			
22.	Likelihood of Release (same value as line 5)	550		480
	Waste Characteristics			
23.	Ecosystem Toxicity/Persistence/Bioaccumulation	a	5×10^8	
24.	Hazardous Waste Quantity	a	100	
25.	Waste Characteristics	1,000		320
26.	Sensitive Environments			
	26a. Level I Concentrations	b	0	
	26b. Level II Concentrations	b	0	
	26c. Potential Contamination	b	.25	
	26d. Sensitive Environments (lines 26a + 26b + 26c)	b	.25	

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to nearest integer.

Site Name Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

SURFACE WATER, OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET (concluded)

	Factor Categories and Factors	Maximum Value	Value Assigned
	Targets		
27.	Targets (value from line 26d)		.25
	Environmental Threat Score		
28.	Environmental Threat Score ([lines 22 x 25 x 27]/82,500, subject to a maximum of 60)	60	0.47
	SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORE FOR A WATERSHED		
29.	Watershed Score[c] (lines 13 + 21 + 28, subject to a maximum of 100)	100	0.47
	SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORE		
30.	Component Score (S_{OF})[c] (Highest score from line 29 for all watersheds evaluated, subject to a maximum of 100)	100	0.47

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a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to the nearest integer.

Site Name: Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

SOIL EXPOSURE PATHWAY SCORESHEET

	Factor Categories and Factors	Maximum Value	Value Assigned	
RESIDENT POPULATION THREAT				
	Likelihood of Exposure			
1.	Likelihood of Exposure	550		550
	Waste Characteristics			
2.	Toxicity	a	10,000	
3.	Hazardous Waste Quantity	a	100	
4.	Waste Characteristics	100		32
	Targets			
5.	Resident Individual	50	0	
6.	Resident Population			
	6a. Level I Concentrations	b	0	
	6b. Level II Concentrations	b	0	
	6c. Resident Population (lines 6a + 6b)	b	0	
7.	Workers	15	0	
8.	Resources	5	0	
9.	Terrestrial Sensitive Environments	c	0	
10.	Targets (lines 5 + 6c + 7 + 8 + 9)	b		0
	Resident Population Threat Score			
11.	Resident Population Threat (Lines 1 x 4 x 10)/82,500	b		0
NEARBY POPULATION THREAT				
	Likelihood of Exposure			
12.	Attractiveness/Accessibility	100	10	
13.	Area of Contamination	100	40	
14.	Likelihood of Exposure	500		5
	Waste Characteristics			
15.	Toxicity	a	10,000	
16.	Hazardous Waste Quantity	a	100	
17.	Waste Characteristics	100		32

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to the nearest integer.

Site Name: Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

SOIL EXPOSURE PATHWAY SCORESHEET
(concluded)

Factor Categories and Factors		Maximum Value	Value Assigned	
	Targets			
18.	Nearby Individual	1	1	
19.	Population Within 1 Mile	b	.9	
20.	Targets (lines 18 + 19)	b		2
	Nearby Population Threat Score			
21.	Nearby Population Threat (lines 14 x 17 x 20)	b		0.00
SOIL EXPOSURE PATHWAY SCORE			Nearby Population Threat: (Default Value)	2
22.	Soil Exposure Pathway Score[d] (S_s), (lines [11 + 21], subject to a maximum of 100)	100		0.00

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c No specific maximum value applies to the factor. However, pathway score based solely on sensitive environments is limited to maximum of 60.

d Do not round to the nearest integer.

Site Name Southern Industrial Maintenance Co.

Location: Iron City, Lawrence County, Tennessee

AIR MIGRATION PATHWAY SCORESHEET

Factor Categories and Factors

	Likelihood of Release	Maximum Value	Value Assigned	
1.	Observed Release	550	-	
2.	Potential to Release			
	2a. Gas Potential to Release	500	-	
	2b. Particulate Potential to Release	500	-	
	2c. Potential to Release (higher of lines 2a and 2b)	500	-	
3.	Likelihood of Release (higher of lines 1 and 2c)	a		500*
	Waste Characteristics			
4.	Toxicity/Mobility	a	2,000	
5.	Hazardous Waste Quantity	a	10	
6.	Waste Characteristics	100		18
	Targets			
7.	Nearest Individual	50	20	
8.	Population			
	8a. Level I Concentrations	b	0	
	8b. Level II Concentrations	b	0	
	8c. Potential Contamination	b	5	
	8d. Population (lines 8a + 8b + 8c)	b	5	
9.	Resources	5	0	
10.	Sensitive Environments			
	10a. Actual Contamination	c	0	
	10b. Potential Contamination	c	.84	
	10c. Sensitive Environments (lines 10a + 10b)	c	.84	
11.	Targets (lines 7 + 8d + 9 + 10c)	b		26
	Air Migration Pathway Score			
12.	Pathway Score (S_a) [(Lines 3 x 6 x 11)/82,500][d]	100		2.84

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c No specific maximum value applies to the factor. However, pathway score based solely on sensitive environments is limited to maximum of 60.

d Do not round to the nearest integer.

* Default value.

\- Not evaluated.

NUS CORPORATION
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Reference 1

PROJECT FOR PERFORMANCE OF REMEDIAL RESPONSE ACTIVITIES AT UNCONTROLLED HAZARDOUS SUBSTANCE FACILITIES—ZONE 1

NUS CORPORATION
SUPERFUND DIVISION

R-586-3-5-8

SITE SCREENING REPORT
SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
IRON CITY, TENNESSEE

Prepared Under
TDD NO. F4-8402-22
CONTRACT NO. 68-01-6699

FOR THE

AIR AND WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

MARCH 15, 1985

NUS CORPORATION
SUPERFUND DIVISION

Submitted By	Reviewed By	Approved By
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NOTICE

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SITE SCREENING REPORT
SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
IRON CITY, TENNESSEE

1.0 INTRODUCTION

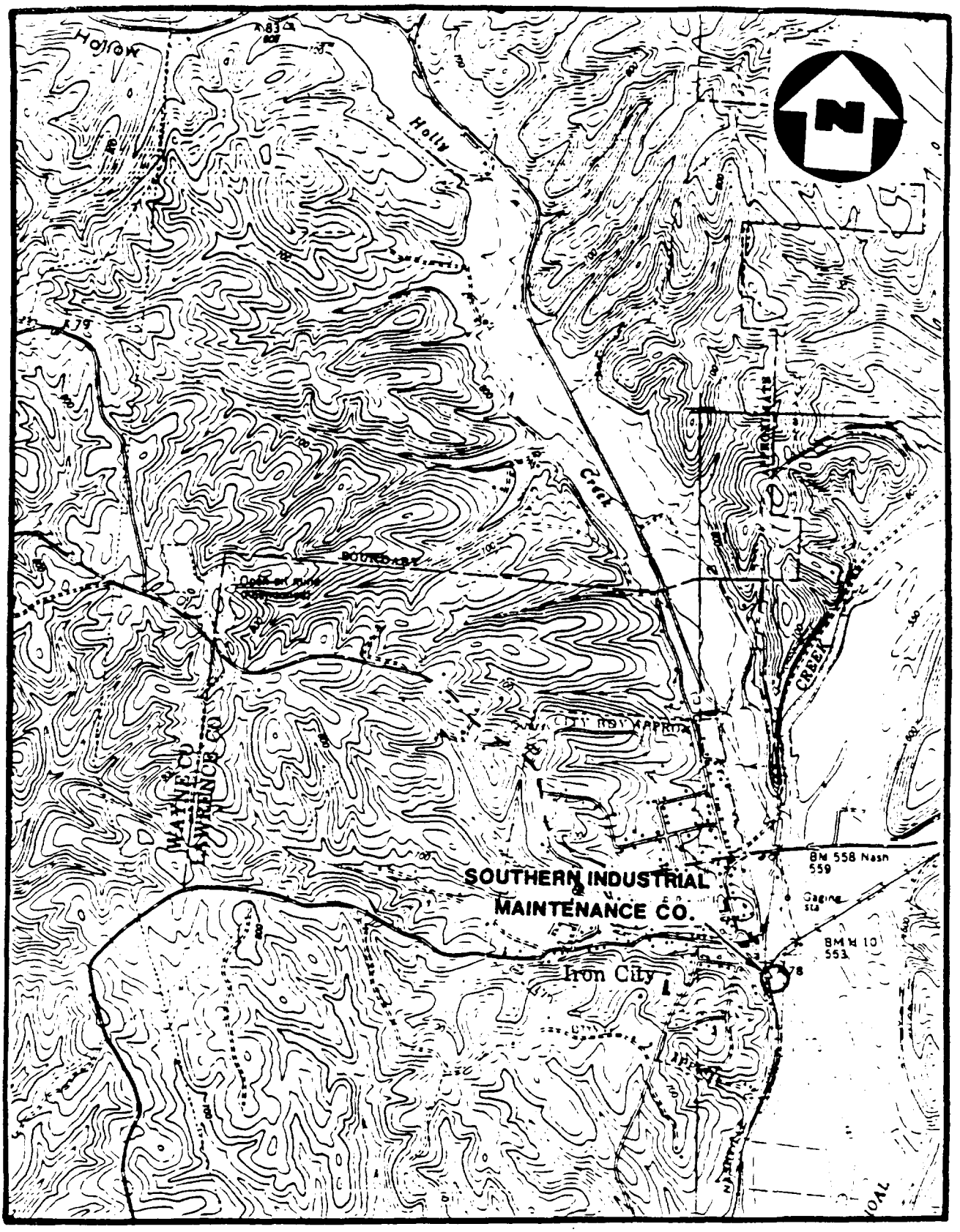
On March 28 and 29, 1984, the Region IV Field Investigation Team (FIT) of the NUS Corporation conducted a site screening study at the Southern Industrial Maintenance Company (SIMCO), located in Iron City, Tennessee. Susan Levin, Carlos Riano and Arnie Ostrofsky conducted the study at the request of the U.S. EPA Region IV Air and Waste Management Division (AWMD) in accordance with the instructions contained in the Technical Directive Document (TDD) F4-8402-22.

The purpose of this site screening study was to collect soil and water samples from on and around the facility and to provide the analytical data needed to determine the presence of organic and inorganic compounds not normally found in this area. The sampling locations were chosen to target the most likely contamination sources. This study did not include a geophysical evaluation of the site.

2.0 SITE CHARACTERIZATION

2.1 Site Description

The Southern Industrial Maintenance Company is located in Iron City, Lawrence County, Tennessee. The two acre site, as shown in Figure 1, is more specifically located at coordinates 35°01'10" N latitude and 87°34'48" W longitude on the St. Joseph Quadrangle, United States Geological Survey Map. The site is bounded to the north by Buck Branch Creek, to the south by trees, to the east by the L & N Railroad, and on the west by South Walnut Street. SIMCO was owned and operated by Ms. Rose Ernst from 1964 to June 1982. The current property owner is Mr. Arnold Stutts.



USGS ST. JOSEPH, TN. QUAD.

GENERAL LOCATION OF SOUTHERN INDUSTRIAL MAINTENANCE CO. IRON CITY, TN.

FIGURE 1

SCALE

1" = 2000'

NUS CORPORATION

A Halliburton Company

2.2 Site History

From 1964 to 1977, SIMCO serviced and cleaned rail tank cars used for elemental phosphorus transport. In 1977, the phosphorus producers discontinued the use of SIMCO's services.

For the next two years (1977 to 1979), SIMCO repaired and cleaned tank cars that transported a variety of organic and inorganic chemicals[1]. Cleaning operations ceased after 1979 and no work has been performed at the site since late 1983.

Cleaning of the phosphorus tank cars involved removal of residual elemental phosphorus sludge and then flushing the inside with water. The sludge was disposed of in an onsite waste disposal pit and the phosphate contaminated water was allowed to settle untreated in two earthen ponds located to the west of the metal maintenance building (Fig. 2). The tank cars containing residual organic or inorganic chemicals were flushed, with the contents draining to the earthen ponds.

In 1979, five major elemental phosophorus producers, FMC Corporation, Philadelphia, Pennsylvania; Hooker Chemicals & Plastics Corporation, Columbia, Tennessee; Mobil Chemical Company, Richmond, Virginia; Monsanto Company, St. Louis, Missouri; and Stauffer Chemical Company, Westport, Connecticut, who had utilized SIMCO's services, contracted with Associated Water and Air Resources Engineers, Inc. (AWARE) of Nashville, Tennessee to perform a hydrogeological investigation at the SIMCO site. The purpose of the study was to determine the extent of surface and ground water contamination caused from SIMCO's cleaning and burial operations.

Results of the subsurface investigation indicated that at the site there are less than 10 feet of clayey to silty soils overlying limestone bedrock interbedded with shale. The depth to the ground water at SIMCO is typically less than eight feet with localized flow to the northeast toward Buck Branch[2].

Analytical results in the AWARE report, demonstrated the presence of elemental phosphorus in soil samples taken from the waste disposal area and in water samples

taken from onsite monitoring wells and a pond. Two organic compounds, methylene chloride and bis(2-ethylhexyl) phthalate were detected in samples taken from the pond[3].

During late 1980 and 1981 the two ponds and waste disposal pit were closed under state supervision[1]. A steel, open-ended building with a concrete floor, presently covers the ponds and a portion of the old disposal area. Four of the seven monitoring wells installed by AWARE still exist. The remaining wells installed in the old disposal area could not be located. Monitoring wells located on the south side of the property near the facility entrance and across Walnut Street were dry, thus they could not be sampled. Two monitoring wells on the north end of the facility had water and were sampled.

3.0 FIELD INVESTIGATION

3.1 Laboratory Analyses

The organic analyses of all water and soil samples collected during this site screening study were performed by Mead Compu/Chem, Research Triangle Park, North Carolina. Inorganic analyses of the samples were performed by Wilson Laboratories, Salinas, Kansas. The analytical laboratory data are attached as Appendix A.

Some of the analyses have limited data review and should be utilized for site-screening purposes only. Included in this category are the purgeable organics, extractable organics and pesticides for both the soil and water samples collected at each sampling location.

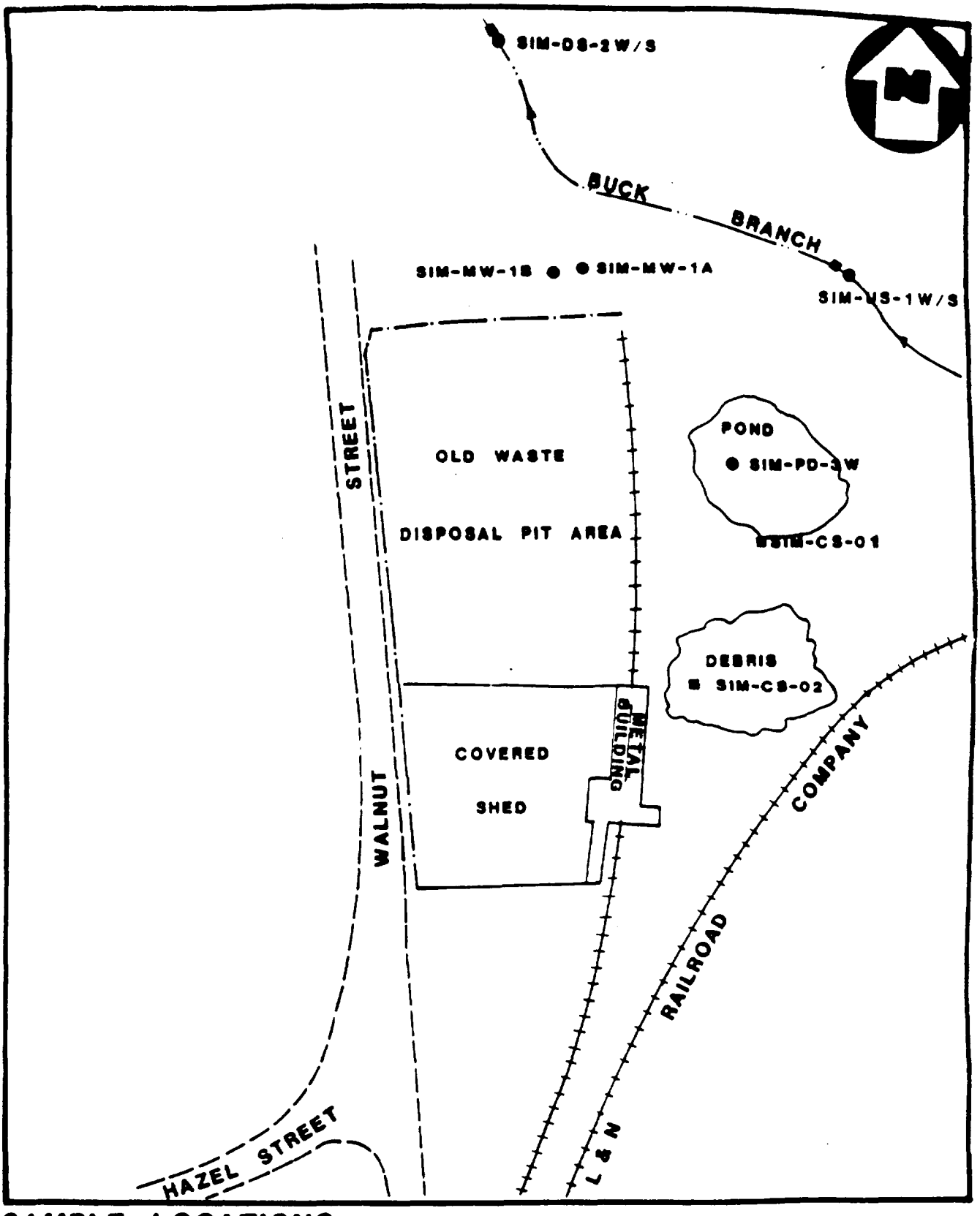
3.2 Sampling Locations

The site screening study at the SIMCO site consisted of the collection of five water samples and four soil/sediment samples. Table I lists the sample codes and descriptions and Figure 2 identifies the sampling locations. Water samples were collected from upstream and downstream locations on Buck Branch Creek, two

TABLE I
SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
SAMPLE CODES AND DESCRIPTIONS

Code	Description
SIM*-US-1W	Buck Branch water sample - upstream, 30 yards east of site boundary.
SIM-DS-2W	Buck Branch water sample - downstream, 60 yards north of facility.
SIM-PD-3W	Pond water sample, 10 yards east of Walnut Street.
SIM-MW-1A	Monitoring well 1A, 10 yards downhill from old waste disposal pit.
SIM-MW-1B	Monitoring well 1B, 15 feet west of monitoring well 14.
SIM-US-1S	Buck Branch sediment sample - upstream
SIM-DS-2S	Buck Branch sediment sample - downstream
SIM-CS-01	Composite soil sample - south edge of pond
SIM-CS-02	Composite soil sample - east of old waste disposal pit area, amongst debris

*SIM - Code short for Southern Industrial Maintenance Company. This designation will not be used in the narrative report or in the tables.



SAMPLE LOCATIONS
SOUTHERN INDUSTRIAL
MAINTENANCE COMPANY
IRON CITY, TENNESSEE

LEGEND

● WATER

■ SOIL

FIGURE 2

NUS CORPORATION
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onsite monitoring wells, and a pond, located downhill and to the northeast of the old waste disposal pit. Sediment samples were collected from the upstream and downstream locations on Buck Branch Creek. Soil samples were collected near the pond and from a stained area east of the metal building. This area was full of debris; steel scrap, car parts, a 55-gallon drum, paint cans and trash. Duplicate samples were refused by Mr. Stutts, the current property owner.

4.0 ANALYTICAL RESULTS OF SAMPLES

4.1 Water Samples

Six organic compounds were detected in the five water samples collected during this study; three herbicides, tetrahydrofuran, acetone and an unidentified petroleum product (Table II). The three herbicides; Simazine (6-chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine), Atrazine (6-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine) and Dual (2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide) were only detected in the sample collected from the pond. From this site screening study it cannot be determined whether these particular chemicals had seeped out from the waste pit or had washed down with other rainfall runoff from the surrounding area.

Monitoring wells 1A (14 feet deep, 2 inch PVC casing) and 1B (8 feet deep, 3 inch PVC casing) had detectable levels of tetrahydrofuran (THF), a solvent used to dissolve synthetic resins, particularly polyvinyl chloride. THF is also used as an electrolytic solvent in the production of tetraethyl and tetramethyl lead, gasoline anti-knock compounds. The monitoring well 1B sample also contained a small amount of acetone. Since this organic compound was routinely used to decontaminate sampling equipment; its presence cannot be solely attributed to past disposal practices at this site.

The number of inorganic compounds detected in the water samples ranged from a low of four (Buck Branch Creek samples) to a high of 14 (Monitoring Well 1B). Zinc was the only priority pollutant (as listed in the 1976 EPA/NRDC Consent Decree) detected in all five of the samples (Table III). Seven metals (three priority

TABLE II

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

WATER SAMPLES

ORGANIC COMPOUNDS (ug/l)

Sampled 3/28/84

Compound	(control) Buck Branch Upstream US-1W	Buck Branch Downstream DS-2W	Pond PD-3W	East Monitoring Well MW-1A	West Monitoring Well MW-1B	
Acetone	100 u	-	-	100 u	2400	~~No~~ Yes
Tetrahydrofuran	-	-	-	20(A)(B) J N	5(A)(B)	NO
Petroleum Product					(B)	NO
Simazine	-	-	200(A)(B)	-	-	NO
Atrazine	-	-	40(A)(B)	-	-	NO
Dual	-	-	2000(A)(B)			NO

we don't score on JN data

- Material was analyzed for but not detected

(A) Estimated value

(B) Presumptive evidence of presence of material

TABLE III

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

WATER SAMPLES

INORGANIC COMPOUNDS (ug/l)

Sampled 3/28/84

Compound	(control) Buck Branch Upstream US-1W	Buck Branch Downstream DS-2W	Pond PD-3W	East Monitoring Well MW-1A	West Monitoring Well MW-1B
Zinc*	30	50	160	20	1200
Aluminum	700	500	26000	1300	270000
Manganese	40	40	610	550	30000
Iron	520	610	21000	2500	280
Barium	100u -	-	100	100u	1300
Cadmium*	1u -	-	8	1u -	5
Lead*	5u -	-	56	16	660
Cobalt	50u -	-	-	50u -	140
Chromium*	10u -	-	-	10u -	310
Copper*	50u -	-	-	50u -	190
Nickel*	40u -	-	-	40u -	250
Tin	20u -	-	-	20u -	70
Vanadium	200u -	-	-	200u -	600
Mercury*	0.2u -	-	-	0.2u -	0.9

* Priority pollutant

\- Material was analyzed for but not detected

pollutants) were detected in the sample from the pond, northeast of the old waste disposal pit. The concentration of lead (56 ug/l) exceeded the water quality criteria established for surface waters in the area[4]. Since the pond is situated in a low area slightly upgradient of Buck Branch, the potential exists for runoff from the pond to enter the creek and cause contamination.

4.2 Soil/Sediment Samples

The analysis of the four soil/sediment samples revealed the presence of eight organic compounds; five priority pollutants, two herbicides and a petroleum product (Table IV). Although no organics were detected in the upstream sample, the downstream sample contained five extractable organic compounds and a petroleum product. Four of these organic compounds; fluoranthene, pyrene, benzo(a)anthracene and chrysene are polynuclear aromatic compounds (PNAs) associated with asphalt paving, wood preserving and other processes in which coal tar based materials are used (5) (6) (7) (8). It should be noted that the downstream sampling location was downgradient from the L & N Railroad tracks and within 10 yards of Walnut Street. Buck Branch Creek is the major receptacle for rainfall runoff in the immediate vicinity of the site. The soil sample from the debris area east of the metal building also contained a petroleum product. The analyses of the composite soil sample collected near the pond revealed the presence of the two herbicides, simazine and dual (note that the water sample from the pond also contained these same two herbicides). The levels of all the organic compounds detected in the soil/sediment samples were estimated values.

Fifteen inorganic substances were detected in the four soil/sediment samples. All four of these samples contained 12 metals in common (six priority pollutants). The downstream sample and the sample near the pond also contained low levels of cyanide (Table V). The results of the laboratory analysis of the sample collected from the debris area showed the highest concentrations of five metals, (barium, chromium, nickel, lead and zinc), while the analytical results for cyanide, beryllium, cadmium, cobalt, copper and mercury were highest in the sample nearest the pond.

TABLE IV

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

SOIL SAMPLES

ORGANIC COMPOUNDS (ug/kg)

Sampled 3/28/84

Compound	(control) Buck Branch Upstream US-1S	Buck Branch Downstream DS-2S	Pond CS-01	Debris Area CS-02
Petroleum Product		(B)		(B) NO
Simazine			8000(A)(B)	
Dual			10000(A)(B)	
Fluoranthene*	5,000u	800(A)	-	-
Pyrene*	5,000u	600(A)	-	-
Bis(2-Ethylhexyl) Phthalate*	5,000u	300(A)	-	-
Benzo(A)Anthracene*	5,000u	400(A)	-	-
Chrysene*	5,000u	400(A)	-	-

* Priority pollutant

\- Material was analyzed for but not detected

(A) Estimated value

(B) Presumptive evidence of presence of material

TABLE V

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

SOIL SAMPLES

INORGANIC COMPOUNDS (ug/kg)

Sampled 3/28/84

Compound	(Control) Buck Branch Upstream US-1S	Buck Branch Downstream DS-2S	Pond CS-01	Debris Area CS-02
Cyanide*	0.1U	0.1	0.7	-
Barium	40	110	110	250
Beryllium*	1	-	0.5	-
Cadmium*	0.2	0.2	0.6	0.4
Cobalt	5	6	11	8
Chromium*	28	23	13	39
Copper*	8	7	17	15
Nickel*	9	7	17	27
Lead*	10	14	55	130
Vanadium	30	30	30	10
Zinc*	62	35	93	470
Aluminum	3000	3500	8900	2700
Manganese	870	970	1100	660
Iron	54000	54000	20000	9200
Mercury*	0.05U	-	0.06	-

* Priority Pollutant

\- Material was analyzed for but not detected

5.0 SUMMARY OF ANALYTICAL RESULTS

With the exception of barium, all concentration values for the parameters detected in the upstream and downstream samples from Buck Branch Creek are similar. The five organic compounds detected in the downstream soil sample cannot be wholly attributed to the past activities performed at SIMCO.

Samples from and near the pond, located to the east of the old waste disposal pit, did contain herbicides and a few metals in concentrations above those found in the stream.

Concentration of five of the chemicals found in the sample from the debris area are higher than those for the other samples. This is an isolated area and any contaminated soil could be removed with little trouble.

The sample collected from Monitoring Well 1B contained 17 chemicals. The presence of tetrahydrofuran could be attributed to its use as a tank car cleaning solvent. The depth of this well was only eight feet below ground level.

6.0 METHODOLOGY

All sample collection, sample preservation and chain-of-custody procedures used during this investigation were in accordance with the standard operating procedures as specified in Sections 3, 4, and 6 of the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual (Draft)(9); United States Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980 and all revisions to the SOP addressed in the following correspondences:

Blackwell, P. (October 21, 1983) Changes in Sampling Procedures.
Wilson, C. (December 14, 1983) Region IV Sampling SOP Revisions.

All laboratory analyses and laboratory quality assurance procedures used during this investigation were in accordance with standard procedures and protocols as

specified in the Analytical Support Branch Operations and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division; April 1982 or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for contract analytical laboratory program (10).

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APPENDIX A
ANALYTICAL DATA

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100U	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1U	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
16	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01201
20	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
1300	UG/L	ALUMINUM	01105
550	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
2.5	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C2014 SAMPLE TYPE: MONWL

PROJECT NO.: R4-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

U U

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FKA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
20JN	TETRAHYDROFURAN

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.1U	UG/L	ALDRIN	39330
0.1U	UG/L	HEPTACHLOR	39410
0.1U	UG/L	HEPTACHLOR EPOXIDE	39420
0.1U	UG/L	ALPHA-BHC	39337
0.1U	UG/L	BETA-BHC	39338
0.1U	UG/L	GAMMA-BHC (LINDANE)	39340
0.1U	UG/L	DELTA-BHC	34259
0.1U	UG/L	ENDOSULFAN I (ALPHA)	34361
0.1U	UG/L	DIELDRIN	39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.1U	UG/L	ENDRIN	39390
0.1U	UG/L	ENDOSULFAN II (BETA)	34356
0.1U	UG/L	ENDOSULFAN SULFATE	34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.1U	UG/L	TOXAPHENE	39400
0.1U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-18
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01071
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
1300	UG/L	BARIUM	01007
5U	UG/L	BERILLIUM	01012
5	UG/L	CADMIUM	01027
140	UG/L	COBALT	01037
110	UG/L	CHROMIUM	01034
190	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
250	UG/L	NICKEL	01067
660	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
70	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
600	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01201
1200	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.9	UG/L	MERCURY	71900
270000	UG/L	ALUMINUM	01105
30000	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
280	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/26/84 EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

ATION I.D.: SIM-MW-1B
OREST STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: M01456
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

/**********

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FHA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
100U	2-NITROANILINE
100U	3-NITROANILINE
100U	4-NITROANILINE
N	PETROLEUM PRODUCT

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78126
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
2400	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
5JN	TETRAHYDROFURAN

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
FPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILPSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.10	UG/L	ALDRIN	39330
0.10	UG/L	HEPTACHLOR	39410
0.10	UG/L	HEPTACHLOR EPOXIDE	39420
0.10	UG/L	ALPHA-BHC	39337
0.10	UG/L	BETA-BHC	39338
0.10	UG/L	GAMMA-BHC (LINDANE)	39340
0.10	UG/L	DELTA-BHC	34259
0.10	UG/L	ENDOSULFAN I (ALPHA)	34361
0.10	UG/L	DIELDRIN	39380
0.10	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.10	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.10	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.10	UG/L	ENDRIN	39390
0.10	UG/L	ENDOSULFAN II (BETA)	34356
0.10	UG/L	ENDOSULFAN SULFATE	34351
0.10	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.10	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.10	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.10	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.10	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.10	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.10	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.10	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.10	UG/L	TOXAPHENE	39400
0.10	UG/L	ENDRIN ALDEHYDE	34366
0.0040	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77804
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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THE MINIMUM DETECTION LIMIT.

U U

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01021
100U	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1U	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
5U	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01201
30	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
700	UG/L	ALUMINUM	01105
40	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
0.52	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FHA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: ND1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: DBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
1000	ACETONE
2000	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.1U	UG/L	ALDRIN	39330
0.1U	UG/L	HEPTACHLOR	39410
0.1U	UG/L	HEPTACHLOR EPOXIDE	39420
0.1U	UG/L	ALPHA-BHC	39337
0.1U	UG/L	BETA-BHC	39338
0.1U	UG/L	GAMMA-BHC (LINDANE)	39340
0.1U	UG/L	DELTA-BHC	34259
0.1U	UG/L	ENDOSULFAN I (ALPHA)	34361
0.1U	UG/L	DIELDRIN	39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.1U	UG/L	ENDRIN	39390
0.1U	UG/L	ENDOSULFAN II (BETA)	34356
0.1U	UG/L	ENDOSULFAN SULFATE	34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.1U	UG/L	TOXAPHENE	39400
0.1U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100U	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1U	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
5U	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01004
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
50	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01167
0.2U	UG/L	MERCURY	71900
500	UG/L	ALUMINUM	01105
40	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
0.61	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

U U

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34416
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C2010 SAMPLE TYPE: MONWL

PROJECT NO.: R4-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2464 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.1U	UG/L	ALDRIN	39330
0.1U	UG/L	HEPTACHLOR	39410
0.1U	UG/L	HEPTACHLOR EPOXIDE	39420
0.1U	UG/L	ALPHA-BHC	39337
0.1U	UG/L	BETA-BHC	39338
0.1U	UG/L	GAMMA-BHC (LINDANE)	39340
0.1U	UG/L	DELTA-BHC	34259
0.1U	UG/L	ENDOSULFAN I (ALPHA)	34361
0.1U	UG/L	DIELDRIN	39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.1U	UG/L	ENDRIN	39390
0.1U	UG/L	ENDOSULFAN II (BETA)	34356
0.1U	UG/L	ENDOSULFAN SULFATE	34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.1U	UG/L	TOXAPHENE	39400
0.1U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77844
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39610
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

U U

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
8	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
56	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01201
160	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
28000	UG/L	ALUMINUM	01105
610	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
21	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	346[illegible]
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE
200JN	SIMAZINE
40JN	ATRAZINE
2000JN	DUAL

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONAL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

U U

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2U	UG/L	ALDRIN	39330
2U	UG/L	HEPTACHLOR	39410
2U	UG/L	HEPTACHLOR EPOXIDE	39420
2U	UG/L	ALPHA-BHC	39337
2U	UG/L	BETA-BHC	39338
2U	UG/L	GAMMA-BHC (LINDANE)	39340
2U	UG/L	DELTA-BHC	34259
2U	UG/L	ENDOSULFAN I (ALPHA)	34361
2U	UG/L	DIELDRIN	39380
2U	UG/L	4,4'-DDT (P,P'-DDT)	39300
2U	UG/L	4,4'-DDE (P,P'-DDE)	39320
2U	UG/L	4,4'-DDD (P,P'-DDD)	39310
2U	UG/L	ENDRIN	39390
2U	UG/L	ENDOSULFAN II (BETA)	34356
2U	UG/L	ENDOSULFAN SULFATE	34351
2U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
2U	UG/L	PCB-1242 (AROCLOR 1242)	39496
2U	UG/L	PCB-1254 (AROCLOR 1254)	39504
2U	UG/L	PCB-1221 (AROCLOR 1221)	39488
2U	UG/L	PCB-1232 (AROCLOR 1232)	39492
2U	UG/L	PCB-1248 (AROCLOR 1248)	39500
2U	UG/L	PCB-1260 (AROCLOR 1260)	39508
2U	UG/L	PCB-1016 (AROCLOR 1016)	34671
2U	UG/L	TOXAPHENE	39400
2U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
SOIL SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD, REG IV
ATHENS GEORGIA

07/03/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-18
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.1U	MG/KG	CYANIDE	00721

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIN-US-18
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: MAW
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS*
ATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.5U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01022
40	MG/KG	BARIUM	01000
1	MG/KG	BERILLIUM	01013
0.2	MG/KG	CADMIUM	01028
5	MG/KG	COBALT	01037
28	MG/KG	CHROMIUM	01029
8	MG/KG	COPPER	01042
NA	MG/KG	MOLYBDENUM	01062
9	MG/KG	NICKEL	01065
10	MG/KG	LEAD	01082
1U	MG/KG	ANTIMONY	01097
0.1U	MG/KG	SELENIUM	01145
10	MG/KG	TIN	01119
NA	MG/KG	STRONTIUM	01081
NA	MG/KG	TELLURIUM	40011
NA	MG/KG	TITANIUM	01152
0.5U	MG/KG	THALLIUM	34400
30	MG/KG	VANADIUM	01086
NA	MG/KG	YTTRIUM	40014
62	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01095
0.05U	MG/KG	MERCURY	71921
3000	MG/KG	ALUMINUM	01105
870	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00916
NA	MG/KG	MAGNESIUM	00927
54000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00929
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES*
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

6/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-US-18
OREY STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
ONTRACT LABORATORY(ORGANIC): HEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
INITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	[illegible]
5000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	[illegible]
NA	UG/KG	BENZIDINE	[illegible]
5000U	UG/KG	1,3-DICHLOROBENZENE	[illegible]
5000U	UG/KG	1,4-DICHLOROBENZENE	[illegible]
5000U	UG/KG	1,2-DICHLOROBENZENE	[illegible]
5000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	[illegible]
5000U	UG/KG	HEXACHLOROETHANE	[illegible]
5000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	[illegible]
5000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	[illegible]
5000U	UG/KG	NITROBENZENE	[illegible]
5000U	UG/KG	HEXACHLOROBUTADIENE	[illegible]
5000U	UG/KG	1,2,4-TRICHLOROBENZENE	[illegible]
5000U	UG/KG	NAPHTHALENE	[illegible]
5000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	[illegible]
5000U	UG/KG	ISOPHORONE	[illegible]
5000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	[illegible]
5000U	UG/KG	2-CHLORONAPHTHALENE	[illegible]
5000U	UG/KG	ACENAPHTHYLENE	[illegible]
5000U	UG/KG	ACENAPHTHENE	[illegible]
5000U	UG/KG	DIMETHYL PHTHALATE	[illegible]
5000U	UG/KG	2,4-DINITROTOLUENE	[illegible]
5000U	UG/KG	2,6-DINITROTOLUENE	[illegible]
5000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	[illegible]
5000U	UG/KG	FLUORENE	[illegible]
5000U	UG/KG	DIETHYL PHTHALATE	[illegible]
5000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	[illegible]
5000U	UG/KG	HEXACHLOROBENZENE (HCB)	[illegible]
5000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	[illegible]
5000U	UG/KG	PHENANTHRENE	[illegible]
5000U	UG/KG	ANTHRACENE	[illegible]
5000U	UG/KG	DI-N-BUTYLPHTHALATE	[illegible]
5000U	UG/KG	FLUORANTHENE	[illegible]
5000U	UG/KG	PYRENE	[illegible]
5000U	UG/KG	BENZYL BUTYL PHTHALATE	[illegible]
5000U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	[illegible]
5000U	UG/KG	BENZO(A)ANTHRACENE	[illegible]
5000U	UG/KG	CHRYSENE	[illegible]
NA	UG/KG	3,3'-DICHLOROBENZIDINE	[illegible]
5000U	UG/KG	DI-N-OCTYLPHTHALATE	[illegible]
5000U	UG/KG	BENZO(B)FLUORANTHENE	
5000U	UG/KG	BENZO(K)FLUORANTHENE	
5000U	UG/KG	BENZO-A-PYRENE	[illegible]
5000U	UG/KG	INDENO (1,2,3-CD) PYRENE	[illegible]
5000U	UG/KG	DIBENZO(A,H)ANTHRACENE	[illegible]
5000U	UG/KG	BENZO(GHI)PERYLENE	[illegible]
5000U	UG/KG	2-CHLOROPHENOL	[illegible]
5000U	UG/KG	2-NITROPHENOL	[illegible]
5000U	UG/KG	PHENOL	[illegible]
5000U	UG/KG	2,4-DIMETHYLPHENOL	[illegible]
5000U	UG/KG	2,4-DICHLOROPHENOL	[illegible]
5000U	UG/KG	2,4,6-TRICHLOROPHENOL	[illegible]
5000U	UG/KG	4-CHLORO-3-METHYLPHENOL	[illegible]
5000U	UG/KG	2,4-DINITROPHENOL	[illegible]
5000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	[illegible]
5000U	UG/KG	PENTACHLOROPHENOL	[illegible]
5600U	UG/KG	4-NITROPHENOL	[illegible]
26	%	MOISTURE	[illegible]

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT,
TY: IRON CITY STATE: TN

ATION I.D.: SIM-US-13
ORET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
ALED:

EMIST:
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILFSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
MITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
5600U	BENZOIC ACID
5000U	2-METHYLPHENOL
5000U	4-METHYLPHENOL
5600U	2,4,5-TRICHLOROPHENOL
5000U	ANILINE
5000U	BENZYL ALCOHOL
5000U	4-CHLOROANILINE
5000U	DIBENZOFURAN
5000U	2-METHYL NAPHTHALENE
5600U	2-NITROANILINE
5600U	3-NITROANILINE
5600U	4-NITROANILINE

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD.REG IV
ATHENS GEORGIA

/26/84 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY #1)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

JJECT NO.: 84-109 PROGRAM ELEMENT: USF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-US-15
ONET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST: FRA
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
NTRACT LABORATORY(ORGANIC): HEAD
NTRACT LABORATORY(INORGANIC): WILESON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TRR SAMPLE DATA VERIFIED BY: FRA

*REMARKS***
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

**********ANALYTICAL RESULTS******

RESULTS	UNITS	COMPOUND	STORET
1000	UG/KG	ACROLEIN	34213
1000	UG/KG	ACRYLONITRILE	34218
100	UG/KG	CHLOROMETHANE	34421
100	UG/KG	BROMOMETHANE	34416
100	UG/KG	VINYL CHLORIDE	34495
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34426
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34499
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
100	UG/KG	CHLOROFORM	34318
100	UG/KG	1,2-DICHLOROETHANE	34534
100	UG/KG	1,1,1-TRICHLOROETHANE	34509
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34544
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
100	UG/KG	TRICHLOROETHENE	34487
100	UG/KG	BENZENE	34237
100	UG/KG	DIBROMOCHLOROMETHANE	34309
100	UG/KG	1,1,2-TRICHLOROETHANE	34514
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34290
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
100	UG/KG	TETRACHLOROETHENE	34478
100	UG/KG	TOLUENE	34483
100	UG/KG	CHLOROBENZENE	34304
100	UG/KG	ETHYL BENZENE	34374
NA	UG/KG	O-XYLENE	
100	UG/KG	O&P-XYLENE(MIXED)	
26	%	MOISTURE	70320

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

5/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-US-1S
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
TALED:

HENIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): FILESOF LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBW DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
10U	STYRENE
20U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
FPA-FSD,REG IV
ATHENS GEORGIA

6/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOOTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-US-18
OREST STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
6U	UG/KG	ALDRIN	39333
6U	UG/KG	HEPTACHLOR	39413
6U	UG/KG	HEPTACHLOR EPOXIDE	39423
6U	UG/KG	ALPHA-BHC	39076
6U	UG/KG	BETA-BHC	34257
6U	UG/KG	GAMMA-BHC (LINDANE)	39343
6U	UG/KG	DELTA-BHC	34262
6U	UG/KG	ENDOSULFAN I (ALPHA)	34364
6U	UG/KG	DIELDRIN	39383
6U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
6U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
6U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
6U	UG/KG	ENDRIN	39393
6U	UG/KG	ENDOSULFAN II (BETA)	34359
6U	UG/KG	ENDOSULFAN SULFATE	34354
6U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
6U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
6U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
6U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
6U	UG/KG	PCB-1232 (AROCLOR 1232)	39496
6U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
6U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
6U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
6U	UG/KG	TOXAPHENE	39403
6U	UG/KG	ENDRIN ALDEHYDE	34369
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34678
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
26	%	MOISTURE	70320

****

FOOTNOTES*
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.1	MG/KG	CYANIDE	00721

/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-DS-28
ORET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST: MAW CHEMIST:
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

*REMARKS***
TA REPORTED ON WET WEIGHT BASIS

****

*FOOTNOTES***
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/08/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-DS-28
ART STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST: MAW
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

*REMARKS***
TA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.8U	MG/KG	ARSENIC	01002
NA	MG/KG	BORON	01022
110	MG/KG	BARIUM	01008
0.2U	MG/KG	BERYLLIUM	01013
0.2	MG/KG	CADMIUM	01028
6	MG/KG	COBALT	01038
23	MG/KG	CHROMIUM	01029
7	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01062
7	MG/KG	NICKEL	01065
14	MG/KG	LEAD	01082
1U	MG/KG	ANTIMONY	01097
0.1U	MG/KG	SELENIUM	01145
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01081
NA	MG/KG	TELLURIUM	01013
NA	MG/KG	TITANIUM	01152
0.5U	MG/KG	THALLIUM	01059
30	MG/KG	VANADIUM	01086
NA	MG/KG	YTTRIUM	01014
35	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.05U	MG/KG	MERCURY	71921
3500	MG/KG	ALUMINUM	01084
870	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00916
NA	MG/KG	MAGNESIUM	00927
54000	MG/KG	IRON	01170
22000	MG/KG	SODIUM	00929
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70220

****

*FOOTNOTES***
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/26/84 EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-DS-25
ORET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST: FRA
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILFSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TSB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34444
5000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/KG	BENZIDINE	39121
5000U	UG/KG	1,3-DICHLOROBENZENE	34566
5000U	UG/KG	1,4-DICHLOROBENZENE	34574
5000U	UG/KG	1,2-DICHLOROBENZENE	34536
5000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34273
5000U	UG/KG	HEXACHLOROETHANE	34399
5000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
5000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34311
5000U	UG/KG	NITROBENZENE	34580
5000U	UG/KG	HEXACHLOROBUTADIENE	39702
5000U	UG/KG	1,2,4-TRICHLOROBENZENE	34551
5000U	UG/KG	NAPHTHALENE	34696
5000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34278
5000U	UG/KG	ISOPHORONE	34411
5000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
5000U	UG/KG	2-CHLORONAPHTHALENE	34584
5000U	UG/KG	ACENAPHTHYLENE	34700
5000U	UG/KG	ACENAPHTHENE	34709
5000U	UG/KG	DIMETHYL PHTHALATE	34344
5000U	UG/KG	2,4-DINITROTOLUENE	34611
5000U	UG/KG	2,6-DINITROTOLUENE	34620
5000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
5000U	UG/KG	FLUORENE	34664
5000U	UG/KG	DIETHYL PHTHALATE	34336
5000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34436
5000U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
5000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34636
5000U	UG/KG	PHENANTHRENE	34460
5000U	UG/KG	ANTHRACENE	34221
5000U	UG/KG	DI-N-BUTYLPHTHALATE	39111
800J	UG/KG	FLUORANTHENE	34377
600J	UG/KG	PYRENE	34477
5000U	UG/KG	BENZYL BUTYL PHTHALATE	34292
300J	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39100
400J	UG/KG	BENZO(A)ANTHRACENE	34526
400J	UG/KG	CHRYSENE	34321
NA	UG/KG	3,3'-DICHLOROBENZIDINE	34631
5000U	UG/KG	DI-N-OCTYLPHTHALATE	34596
5000U	UG/KG	BENZO(B)FLUORANTHENE	
5000U	UG/KG	BENZO(K)FLUORANTHENE	
5000U	UG/KG	BENZO-A-PYRENE	34250
5000U	UG/KG	INDENO (1,2,3-CD) PYRENE	34403
5000U	UG/KG	DIBENZO(A,H)ANTHRACENE	34556
5000U	UG/KG	BENZO(GHI)PERYLENE	34524
5000U	UG/KG	2-CHLOROPHENOL	34586
5000U	UG/KG	2-NITROPHENOL	34594
5000U	UG/KG	PHENOL	34337
5000U	UG/KG	2,4-DIMETHYLPHENOL	34601
5000U	UG/KG	2,4-DICHLOROPHENOL	34604
5000U	UG/KG	2,4,6-TRICHLOROPHENOL	34474
5000U	UG/KG	4-CHLORO-3-METHYLPHENOL	34452
5000U	UG/KG	2,4-DINITROPHENOL	34616
5000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
5000U	UG/KG	PENTACHLOROPHENOL	39032
5600U	UG/KG	4-NITROPHENOL	34646
30	%	MOISTURE	70330

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

6/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-DS-25
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
EALED:

HEMIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
5600U	BENZOIC ACID
5000U	2-METHYLPHENOL
5000U	4-METHYLPHENOL
5600U	2,4,5-TRICHLOROPHENOL
5000U	ANILINE
5000U	BENZYL ALCOHOL
5000U	4-CHLOROANILINE
5000U	DIBENZOFURAN
5000U	2-METHYL NAPHTHALENE
5600U	2-NITROANILINE
5600U	3-NITROANILINE
5600U	4-NITROANILINE
N	PETROLEUM PRODUCT

****

FOOTNOTES*
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATLANTA GEORGIA

26/04 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/BIOUDGE(DAY -1)

SAMPLE NO.: SAC2017 SAMPLE TYPE: SOIL

JECT NO.: 34-109 PROGRAM ELEMENT: 45
HCES: SOUTHERN IMD MAINT.
VI: INDIAN CITY STATE: PA

TION I.D.: SIO-DS-25
MPT STATION NO:

PLE COLLECTION: START DATE/TIME 03/28/84
PLE COLLECTION: STOP DATE/TIME 00/00/00

LECTED BY: S LEVIN RECEIVED FROM:
PLE RECD: DATE/TIME 00/00/00 REC'D BY:
LEDS:

MISTS: EPA
LYTICAL METHODS:

NO.: 2484 ORG SAMPLE NO: D1236 LOORG SAMPLE NO.: SD1438
TRACT LABORATORY(ORGANIC): MEAD
TRACT LABORATORY(INORGANIC): WILFORD LAB

ANK:
ANK:

PLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: EPA

REMARKS***
ITED DATA REVIEW---USE DATA FOR SITE SCREENING ONLY!!!

**********ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
1000	UG/KG	ACROLEIN	34211
1000	UG/KG	ACRYLONITRILE	34210
100	UG/KG	CHLOROMETHANE	34041
100	UG/KG	BROMOMETHANE	34416
100	UG/KG	VINYL CHLORIDE	34475
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34420
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34496
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34699
100	UG/KG	CHLOROFORM	34311
100	UG/KG	1,2-DICHLOROETHANE	34534
100	UG/KG	1,1,1-TRICHLOROETHANE	34509
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34541
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34699
100	UG/KG	TRICHLOROETHENE	34487
100	UG/KG	BENZENE	34217
100	UG/KG	DIBROMOCHLOROMETHANE	34399
100	UG/KG	1,1,2-TRICHLOROETHANE	34511
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34299
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34516
100	UG/KG	TETRACHLOROETHENE	34475
100	UG/KG	TOLUENE	34488
100	UG/KG	CHLOROBENZENE	34301
100	UG/KG	ETHYL BENZENE	34371
1A	UG/KG	O-XYLENE	
100	UG/KG	M&P-XYLENE(P-XYLENE)	
30	%	MOISTURE	70320

****

FOOTNOTES***
*A=AVERAGE VALUE *DA=NOT ANALYZED *DAI=INTERFERENCES
*E=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

ECT NO.: 84-109 PROGRAM ELEMENT: MSF
CF: SOUTHERN IND MAINT.
: IRON CITY STATE: TN

ION I.D.: SIM-DS-25
ET STATION NO:

LE COLLECTION: START DATE/TIME 03/28/84
LE COLLECTION: STOP DATE/TIME 00/00/00

ECTED BY: S LEVIN RECEIVED FROM:
LE REC'D: DATE,/TIME 00/00/00 REC'D BY:
ED:

IST:
YTICAL METHOD:

NO.: 2484 ORG SAMPLE NO: 03236 INORG SAMPLE NO.: MD1438
TRACT LABORATORY(ORGANIC): MEAD
TRACT LABORATORY(INORGANIC): WILSON LAB

ARK:
ARK:

PLE LOG VERIFIED BY: TRW DATA VERIFIED BY: FRA

REMARKS***
ITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

*FOOTNOTES***
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
1000	ACETONE
2000	METHYL ETHYL KETONE
200	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
100	STYRENE
200	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
FPA-ESD,REG IV
ATHENS GEORGIA

6/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-DS-28
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
6U	UG/KG	ALDRIN	39333
6U	UG/KG	HEPTACHLOR	39341
6U	UG/KG	HEPTACHLOR EPOXIDE	39423
6U	UG/KG	ALPHA-BHC	39076
6U	UG/KG	BETA-BHC	34257
6U	UG/KG	GAMMA-BHC (LINDANE)	39341
6U	UG/KG	DELTA-BHC	34261
6U	UG/KG	ENDOSULFAN I (ALPHA)	34356
6U	UG/KG	DIELDRIN	39383
6U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
6U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
6U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
6U	UG/KG	ENDRIN	39389
6U	UG/KG	ENDOSULFAN II (BETA)	34359
6U	UG/KG	ENDOSULFAN SULFATE	34354
6U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
6U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
6U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
6U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
6U	UG/KG	PCB-1232 (AROCLOR 1232)	39498
6U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
6U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
6U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
6U	UG/KG	TOXAPHENE	39403
6U	UG/KG	ENDRIN ALDEHYDE	34366
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	81768
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39411
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
30	%	MOISTURE	70320

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ERD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.7	MG/KG	CYANIDE	00721

)7/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

'ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-CS-01
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: MAW CHEMIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
ATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): HEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.5U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01022
110	MG/KG	BARIUM	01008
0.5	MG/KG	BERYLLIUM	01013
0.6	MG/KG	CADMIUM	01028
11	MG/KG	COBALT	01038
13	MG/KG	CHROMIUM	01029
17	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
17	MG/KG	NICKEL	01068
65	MG/KG	LEAD	01082
1U	MG/KG	ANTIMONY	01098
0.1U	MG/KG	SELENIUM	01148
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
30	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
93	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.06	MG/KG	MERCURY	71921
8900	MG/KG	ALUMINUM	01108
1100	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
20000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

6/26/84 EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-CS-01
OREST STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILPSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	[illegible]
5000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	[illegible]
NA	UG/KG	BENZIDINE	[illegible]
5000U	UG/KG	1,3-DICHLOROBENZENE	[illegible]
5000U	UG/KG	1,4-DICHLOROBENZENE	[illegible]
5000U	UG/KG	1,2-DICHLOROBENZENE	[illegible]
5000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	[illegible]
5000U	UG/KG	HEXACHLOROETHANE	[illegible]
5000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	[illegible]
5000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	[illegible]
5000U	UG/KG	NITROBENZENE	[illegible]
5000U	UG/KG	HEXACHLOROBUTADIENE	[illegible]
5000U	UG/KG	1,2,4-TRICHLOROBENZENE	[illegible]
5000U	UG/KG	NAPHTHALENE	[illegible]
5000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	[illegible]
5000U	UG/KG	ISOPHORONE	[illegible]
5000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	[illegible]
5000U	UG/KG	2-CHLORONAPHTHALENE	[illegible]
5000U	UG/KG	ACENAPHTHYLENE	[illegible]
5000U	UG/KG	ACENAPHTHENE	[illegible]
5000U	UG/KG	DIMETHYL PHTHALATE	[illegible]
5000U	UG/KG	2,4-DINITROTOLUENE	[illegible]
5000U	UG/KG	2,6-DINITROTOLUENE	[illegible]
5000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	[illegible]
5000U	UG/KG	FLUORENE	[illegible]
5000U	UG/KG	DIETHYL PHTHALATE	[illegible]
5000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	[illegible]
5000U	UG/KG	HEXACHLOROBENZENE (HCB)	[illegible]
5000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	[illegible]
5000U	UG/KG	PHENANTHRENE	[illegible]
5000U	UG/KG	ANTHRACENE	[illegible]
5000U	UG/KG	DI-N-BUTYLPHTHALATE	[illegible]
5000U	UG/KG	FLUORANTHENE	[illegible]
5000U	UG/KG	PYRENE	[illegible]
5000U	UG/KG	BENZYL BUTYL PHTHALATE	[illegible]
5000U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	[illegible]
5000U	UG/KG	BENZO(A)ANTHRACENE	[illegible]
5000U	UG/KG	CHRYSENE	[illegible]
NA	UG/KG	3,3'-DICHLOROBENZIDINE	[illegible]
5000U	UG/KG	DI-N-OCTYLPHTHALATE	[illegible]
5000U	UG/KG	BENZO(B)FLUORANTHENE	
5000U	UG/KG	BENZO(K)FLUORANTHENE	
5000U	UG/KG	BENZO-A-PYRENE	
5000U	UG/KG	INDENO (1,2,3-CD) PYRENE	[illegible]
5000U	UG/KG	DIBENZO(A,H)ANTHRACENE	[illegible]
5000U	UG/KG	BENZO(GHI)PERYLENE	[illegible]
5000U	UG/KG	2-CHLOROPHENOL	[illegible]
5000U	UG/KG	2-NITROPHENOL	[illegible]
5000U	UG/KG	PHENOL	[illegible]
5000U	UG/KG	2,4-DIMETHYLPHENOL	[illegible]
5000U	UG/KG	2,4-DICHLOROPHENOL	[illegible]
5000U	UG/KG	2,4,6-TRICHLOROPHENOL	[illegible]
5000U	UG/KG	4-CHLORO-3-METHYLPHENOL	[illegible]
5000U	UG/KG	2,4-DINITROPHENOL	[illegible]
5000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	[illegible]
5000U	UG/KG	PENTACHLOROPHENOL	[illegible]
5000U	UG/KG	4-NITROPHENOL	[illegible]
31	%	MOISTURE	[illegible]

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

6/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-CS-01
OREST STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
CALED:

HEMIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILPSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
5800U	BENZOIC ACID
5000U	2-METHYLPHENOL
5000U	4-METHYLPHENOL
5800U	2,4,5-TRICHLOROPHENOL
5000U	ANILINE
5000U	BENZYL ALCOHOL
5000U	4-CHLOROANILINE
5000U	DIBENZOFURAN
5000U	2-METHYL NAPHTHALENE
5800U	2-NITROANILINE
5800U	3-NITROANILINE
5800U	4-NITROANILINE
8000JN	SIMAZINE
10000JN	DUAL

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-USD,REG IV
ATHENS GEORGIA

6/26/84 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

SUBJECT NO.: 84-109 PROGRAM ELEMENT: CSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIB-CS-01
TUBE STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/24/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

MENIST: ERA
ANALYTICAL METHOD:

CASE NO.: 2184 ORG SAMPLE NO: 03247 INORG SAMPLE NO.: N01439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILESOP LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: ERA

REMARKS*
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NI-1 TERFERENCES
*J-ESTIMATED VALUE *M-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
1000	UG/KG	ACROLEIN	34213
1000	UG/KG	ACRYLONITRILE	34218
100	UG/KG	CHLOROMETHANE	34421
100	UG/KG	BROMOMETHANE	34416
100	UG/KG	VINYL CHLORIDE	34495
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34426
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34499
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
100	UG/KG	CHLOROFORM	34318
100	UG/KG	1,2-DICHLOROETHANE	34534
100	UG/KG	1,1,1-TRICHLOROETHANE	34509
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34544
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
100	UG/KG	TRICHLOROETHENE	34447
100	UG/KG	BENZENE	34437
100	UG/KG	DIBROMOCHLOROMETHANE	34309
100	UG/KG	1,1,2-TRICHLOROETHANE	34514
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34704
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34290
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
100	UG/KG	TETRACHLOROETHENE	34476
100	UG/KG	TOLUENE	34483
100	UG/KG	CHLOROBENZENE	34304
100	UG/KG	ETHYL BENZENE	34374
NA	UG/KG	M-XYLENE	
100	UG/KG	O&P-XYLENE(MIXED)	
31	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD, REG IV
ATHENS GEORGIA

6/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: USF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: 810-CS-01
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/20/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3217 INORG SAMPLE NO.: MD1439
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TMH DATA VERIFIED BY: FMA

REMARKS
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

******ANALYTICAL RESULTS******

RESULTS IN UG/KG	COMPOUND NAME
1000	ACETONE
2000	METHYL ETHYL KETONE
100	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
100	STYRENE
100	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REC IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
6U	UG/KG	ALDRIN	39333
6U	UG/KG	HEPTACHLOR	39413
6U	UG/KG	HEPTACHLOR EPOXIDE	39423
6U	UG/KG	ALPHA-BHC	39076
6U	UG/KG	BETA-BHC	34257
6U	UG/KG	GAMMA-BHC (LINDANE)	39343
6U	UG/KG	DELTA-BHC	34262
6U	UG/KG	ENDOSULFAN I (ALPHA)	34364
6U	UG/KG	DIELDRIN	39383
6U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
6U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
6U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
6U	UG/KG	ENDRIN	39393
6U	UG/KG	ENDOSULFAN II (BETA)	34359
6U	UG/KG	ENDOSULFAN SULFATE	34354
6U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
6U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
6U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
6U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
6U	UG/KG	PCB-1232 (AROCLOR 1232)	39495
6U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
6U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
6U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
6U	UG/KG	TOXAPHENE	39403
6U	UG/KG	ENDRIN ALDEHYDE	34369
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34678
--	UG/KG	CHLORDENE /2	81766
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
31	%	MOISTURE	70320

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.1U	MG/KG	CYANIDE	00721

/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-CS-02
ORET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST: MAW CHEMIST:
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS*
TA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/05/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-CS-02
ORET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

ENIST: NAW
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: NAW

*REMARKS***
TA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.5U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
250	MG/KG	BARIUM	01008
0.2U	MG/KG	BERYLLIUM	01013
0.4	MG/KG	CADMIUM	01028
8	MG/KG	COBALT	01038
39	MG/KG	CHROMIUM	01029
15	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
27	MG/KG	NICKEL	01068
130	MG/KG	LEAD	01052
10	MG/KG	ANTIMONY	01098
0.1U	MG/KG	SELENIUM	01148
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	49013
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
10	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	49014
470	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.05U	MG/KG	MERCURY	71921
2700	MG/KG	ALUMINUM	01105
660	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
9200	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

*FOOTNOTES***
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-CS-02
OREY STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST: FRA
ALYTICAL METHOD:

SE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILFSON LAB

MARK:
MARK:

MPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES*
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
25000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/KG	BENZIDINE	39120
25000U	UG/KG	1,3-DICHLOROBENZENE	34566
25000U	UG/KG	1,4-DICHLOROBENZENE	34571
25000U	UG/KG	1,2-DICHLOROBENZENE	34536
25000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
25000U	UG/KG	HEXACHLOROETHANE	34396
25000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
25000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
25000U	UG/KG	NITROBENZENE	34447
25000U	UG/KG	HEXACHLOROBUTADIENE	39702
25000U	UG/KG	1,2,4-TRICHLOROBENZENE	34551
25000U	UG/KG	NAPHTHALENE	34696
25000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34278
25000U	UG/KG	ISOPHORONE	34411
25000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
25000U	UG/KG	2-CHLORONAPHTHALENE	34581
25000U	UG/KG	ACENAPHTHYLENE	34200
25000U	UG/KG	ACENAPHTHENE	34206
25000U	UG/KG	DIMETHYL PHTHALATE	34344
25000U	UG/KG	2,4-DINITROTOLUENE	34611
25000U	UG/KG	2,6-DINITROTOLUENE	34620
25000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34641
25000U	UG/KG	FLUORENE	34386
25000U	UG/KG	DIETHYL PHTHALATE	34336
25000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
25000U	UG/KG	HEXACHLOROBENZENE (HCB)	39700
25000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34636
25000U	UG/KG	PHENANTHRENE	34461
25000U	UG/KG	ANTHRACENE	34712
25000U	UG/KG	DI-N-BUTYLPHTHALATE	39110
25000U	UG/KG	FLUORANTHENE	34376
25000U	UG/KG	PYRENE	34477
25000U	UG/KG	BENZYL BUTYL PHTHALATE	34292
25000U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39100
25000U	UG/KG	BENZO(A)ANTHRACENE	34526
25000U	UG/KG	CHRYSENE	34321
NA	UG/KG	3,3'-DICHLOROBENZIDINE	34631
25000U	UG/KG	DI-N-OCTYLPHTHALATE	34596
25000U	UG/KG	BENZO(B)FLUORANTHENE	
25000U	UG/KG	BENZO(K)FLUORANTHENE	
25000U	UG/KG	BENZO-A-PYRENE	34250
25000U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
25000U	UG/KG	DIBENZO(A,H)ANTHRACENE	34556
25000U	UG/KG	BENZO(GHI)PERYLENE	34524
25000U	UG/KG	2-CHLOROPHENOL	34586
25000U	UG/KG	2-NITROPHENOL	34591
25000U	UG/KG	PHENOL	34597
25000U	UG/KG	2,4-DIMETHYLPHENOL	34606
25000U	UG/KG	2,4-DICHLOROPHENOL	34601
25000U	UG/KG	2,4,6-TRICHLOROPHENOL	34621
25000U	UG/KG	4-CHLORO-3-METHYLPHENOL	34452
25000U	UG/KG	2,4-DINITROPHENOL	34616
25000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
25000U	UG/KG	PENTACHLOROPHENOL	39032
50000U	UG/KG	4-NITROPHENOL	34646
20	%	MOISTURE	39356

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

5/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-CS-02
ORET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
EALED:

IENIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

MPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
50000U	BENZOIC ACID
25000U	2-METHYLPHENOL
25000U	4-METHYLPHENOL
50000U	2,4,5-TRICHLOROPHENOL
25000U	ANILINE
25000U	BENZYL ALCOHOL
25000U	4-CHLOROANILINE
25000U	DIBENZOFURAN
25000U	2-METHYL NAPHTHALENE
50000U	2-NITROANILINE
50000U	3-NITROANILINE
50000U	4-NITROANILINE
N	PETROLEUM PRODUCT

****

FOOTNOTES*
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 VOLATILE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: M4C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D123M INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFRON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TMB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
1000	UG/KG	ACROLEIN	34215
1000	UG/KG	ACRYLONITRILE	34215
100	UG/KG	CHLOROMETHANE	34421
100	UG/KG	BROMOMETHANE	34413
100	UG/KG	VINYL CHLORIDE	34495
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34420
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34499
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
100	UG/KG	CHLOROFORM	34313
100	UG/KG	1,2-DICHLOROETHANE	34530
100	UG/KG	1,1,1-TRICHLOROETHANE	34506
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34541
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34699
100	UG/KG	TRICHLOROETHENE	34487
100	UG/KG	BENZENE	34237
100	UG/KG	DIBROMOCHLOROMETHANE	34306
100	UG/KG	1,1,2-TRICHLOROETHANE	34511
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34704
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34299
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34516
100	UG/KG	TETRACHLOROETHENE	34475
100	UG/KG	TOLUENE	34483
100	UG/KG	CHLOROBENZENE	34301
100	UG/KG	ETHYL BENZENE	34371
NA	UG/KG	M-XYLENE	
100	UG/KG	O&P-XYLENE(MIXED)	
20	%	MOISTURE	70320

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NI=INTERFERENCES
*J=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD, REG IV
ATHENS GEORGIA

5/20/84   PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019   SAMPLE TYPE: SOIL

PROJECT NO.: 84-109   PROGRAM ELEMENT: HSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY   STATE: TN

STATION I.D.: SI-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B GEWIN   RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00   REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2444 ORG SAMPLE NO: D3236   INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): EPAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THH   DATA VERIFIED BY: ERA

****REMARKS****
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
1000	ACETONE
200	METHYL ETHYL KETONE
100	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
100	STYRENE
100	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE   *NA=NOT ANALYZED   *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
50U	UG/KG	ALDRIN	39333
50U	UG/KG	HEPTACHLOR	39413
50U	UG/KG	HEPTACHLOR EPOXIDE	39423
50U	UG/KG	ALPHA-BHC	39076
50U	UG/KG	BETA-BHC	34257
50U	UG/KG	GAMMA-BHC (LINDANE)	39343
50U	UG/KG	DELTA-BHC	34262
50U	UG/KG	ENDOSULFAN I (ALPHA)	34364
50U	UG/KG	DIELDRIN	39381
50U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
50U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
50U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
50U	UG/KG	ENDRIN	39393
50U	UG/KG	ENDOSULFAN II (BETA)	34359
50U	UG/KG	ENDOSULFAN SULFATE	34354
50U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
50U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
50U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
50U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
50U	UG/KG	PCB-1232 (AROCLOR 1232)	39498
50U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
50U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
50U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
50U	UG/KG	TOXAPHENE	39403
50U	UG/KG	ENDRIN ALDEHYDE	34369
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34676
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39011
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
20	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

EPA

Potential Hazardous Waste Site

Site Inspection Report

Site Inspection Report

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Southern Industrial Maintenance Company	S. Walnut Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Iron City	TN	38463	Lawrence		

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
— — — — — . —	— — — — — — . —	☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 28 84 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1964 (BEGINNING YEAR) 1979 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☒ B. EPA CONTRACTOR NUS CORPORATION (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ___ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR ___ (Name of firm) ☐ G. OTHER ___ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
SUSAN LEVIN	ENVIRONMENTAL SCIENTIST	NUS CORP	404 938 7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
CARLOS RIANO		NUS CORP	404 938 7710
ARNIE OSTROFSKY		NUS CORP	404 938 7710
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1000	CLOUDY/OVERCAST 65°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
DAN BREWER	TN DEPT OF Health + Environment	901 424 9200

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
SUSAN LEVIN		NUS CORP	(404) 938 7710	7 12 84 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND 980559041

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [x] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [x] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [x] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [x] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			Spills on ground
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			Spills on ground
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site inspection conducted 3/28/84

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980589042

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☒ POTENTIAL ☐ ALLEGED

monitoring wells sampled

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☒ POTENTIAL ☐ ALLEGED

creek west of site sampled

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED _____
02 ☒ OBSERVED (DATE 3/28/84)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

tar spills on the ground
red paint spills on the ground

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED _____ (ACRES)
02 ☐ OBSERVED (DATE 3/28/84)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

noticeable stained soil on ground.

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

surrounding homes on public water supply

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED _____
02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION
☐ POTENTIAL ☐ ALLEGED

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: TN | 02 SITE NUMBER: TND 980559041

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
none observed

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
none observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
not observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids/Leaking drums) — 02 ☒ OBSERVED (DATE 3/28/84) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
standing liquids, drums with tar, stained soil

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
Tank car on property with unknown contents

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS
Abandoned facility, 2 tank cars still on property, lots of empty cans, drums scattered around shed

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sampling analysis, reports)
Site visit 3/28 - 3/29/84

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND 980559041

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A NPDES				
☐ B UIC				
☐ C AIR				
☐ D RCRA				
☐ E RCRA INTERIM STATUS				
☐ F SPCC PLAN				
☐ G STATE (Specify)				
☐ H LOCAL (Specify)				
☐ I OTHER (Specify)				
☐ J NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
X A SURFACE IMPOUNDMENT		
☐ B PILES		
☐ C DRUMS, ABOVE GROUND		
☐ D TANK, ABOVE GROUND		
☐ E TANK, BELOW GROUND		
☐ F LANDFILL		
☐ G LANDFARM		
☐ H OPEN DUMP		
X I OTHER pit (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A INCENERATION
- ☐ B UNDERGROUND INJECTION
- ☐ C CHEMICAL/PHYSICAL
- ☐ D BIOLOGICAL
- ☐ E WASTE OIL PROCESSING
- ☐ F SOLVENT RECOVERY
- ☐ G OTHER RECYCLING/RECOVERY
- ☐ H OTHER _____ (Specify)

05 OTHER

X A BUILDINGS ON SITE

06 AREA OF SITE

2 (Acres)

07 COMMENTS

The two lagoons and waste pit that were utilized for waste disposal were closed and covered over during late 1980 and 1981

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

X A ADEQUATE, SECURE ☐ B. MODERATE ☐ C INADEQUATE, POOR ☐ D INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

wastes have been covered over

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES X NO

02 COMMENTS

stained soil around facility easily accessible

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

site visit 3/28-3/29/84

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A ☒	B ☐
NON-COMMUNITY	C ☐	D ☐

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A ☐	B ☐	C ☐
D ☐	E ☐	F ☐

03 DISTANCE TO SITE

A <1/8 (mi)

B _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one) not known

☐ A ONLY SOURCE FOR DRINKING ☐ B DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER _____

03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (mi)

04 DEPTH TO GROUNDWATER _____ (ft)

05 DIRECTION OF GROUNDWATER FLOW _____

06 DEPTH TO AQUIFER OF CONCERN _____ (ft)

07 POTENTIAL YIELD OF AQUIFER _____ (gpd)

08 SOLE SOURCE AQUIFER ☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

10 RECHARGE AREA ☐ YES ☐ NO COMMENTS

11 DISCHARGE AREA ☐ YES ☐ NO COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR, RECREATION, DRINKING WATER SOURCE ☐ B IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C COMMERCIAL, INDUSTRIAL ☐ D NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
Buck Branch Creek	☐	forms northern boundary (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A 8 NO. OF PERSONS	B _____ NO. OF PERSONS	C _____ NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION <1/8 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE _____

04 DISTANCE TO NEAREST OFF-SITE BUILDING <1/8 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site (e.g., rural, village, densely populated urban area))

There are 2 houses directly across the street from the site. Other houses are located up a hill east of the abandoned facility.

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: IN
02 SITE NUMBER: IND 980559047

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A $10^{-6} - 10^{-8}$ cm/sec ☐ B $10^{-4} - 10^{-6}$ cm/sec ☐ C $10^{-4} - 10^{-3}$ cm/sec ☐ D GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
_____ (ft)	_____ (ft)	_____

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
_____ (in)	_____ (in)	_____ %		_____ %

09 FLOOD POTENTIAL
SITE IS IN _____ YEAR FLOODPLAIN

10
☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A _____ (mi)
OTHER: B _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)
ENDANGERED SPECIES _____

13 LAND USE IN VICINITY

DISTANCE TO

COMMERCIAL INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A < 1/2 (mi)	B _____ (mi)	C _____ (mi)	D _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is downgradient of an old casket company and general store/gas station. The north end of the site slopes down to Buck Branch Creek.

VII SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site visit 3/28-3/29/84

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION
01 STATE: TN
02 SITE NUMBER: TND 980559014

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	2	organic Mead Technology inorganic Wolfson Labs	7/84
SURFACE WATER	3	organic Mead Technology inorganic Wolfson Labs	7/84
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	4	organic Mead Technology inorganic Wolfson Labs	7/84
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
pH	upstream (6.87) MW 1A (6.48) downstream (6.86)
temp	upstream (9.2°C) MW 1A (11.7°C) downstream (12.7°C)

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS Corporation
(Name of organization or individual)

03 MAPS ☐ YES ☐ NO

04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sampling equipment, site files)

Site inspection conducted 3/28 - 3/29/84

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	04 SIC CODE
Arnold Stutts		

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE
PO Box 135	Iron City	TN	38463

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

PARENT COMPANY (if applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

TN Div of Solid Waste Management, Nashville, TN (files)

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980559041

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME: none		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER				

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND980539041

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
None	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980559

II. PAST RESPONSE ACTIVITIES none

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____

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EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE TN 02 SITE NUMBER TND 980559041

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

The area where the pits and lagoons had been were covered over. A metal shed now sits atop the former disposal site.
NUS conducted a site inspection at the facility on October 13, 1983.
In 1980 a consulting firm (AWARE) performed a hydrogeological investigation at this site.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS files (Atlanta, GA)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND055904

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION X YES _ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

The two lagoons and waste pit were closed under state supervision during late 1980 and 1981

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS files (Atlanta, GA)

EPA FORM 2070-13 (7-81)

Reference 2

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #1
LI USING CUSTOM RULER OR COORDINATOR™

SITE NAME: Southern Ind CERCLIS #: TND 980559641

AKA: _____ SSID: _____

ADDRESS: _____

CITY: Iron City STATE: TN ZIP CODE: _____

SITE REFERENCE POINT: _____

USGS QUAD MAP NAME: St. Joseph, TN TOWNSHIP: ___ N/S RANGE: ___ E/W

SCALE: 1:24,000 MAP DATE: 150 SECTION: ___1/4 ___1/4 ___1/4

MAP DATUM: 1927 1983 (CIRCLE ONE) MERIDIAN: _____

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 7.5' MAP (attach photocopy):

LONGITUDE: 87 ° 30 ' ___ " LATITUDE: 35 ° 00 ' ___ "

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5' GRID CELL:

LONGITUDE: ___ ° ___ ' ___ " LATITUDE: ___ ° ___ ' ___ "

CALCULATIONS: LATITUDE (7.5' QUADRANGLE MAP)

A) ALIGN THE BOTTOM OF THE SCALE WITH BOTTOM OF GRID. ALIGN THE TOP OF THE SCALE WITH THE TOP OF GRID. POSITION EDGE OF RULER OVER SITE REFERENCE POINT WHILE KEEPING TOP AND BOTTOM ALIGNED.

B) READ TICS ON RULER AT 1- OR 0.5-SECOND INTERVALS (INTERPOLATE).

C) EXPRESS IN MINUTES AND SECONDS (1'= 60"): ___ ' ___ . ___ "

D) ADD TO STARTING LATITUDE: 35 ° 00 ' ___ . ___ " + 01 ' 10 . ___ =

SITE LATITUDE: 35 ° 01 ' 10 . ___ "

CALCULATIONS: LONGITUDE (7.5' QUADRANGLE MAP)

A) ALIGN THE BOTTOM OF THE SCALE WITH RIGHT SIDE OF GRID. ALIGN THE TOP OF THE SCALE WITH THE LEFT SIDE OF GRID. POSITION EDGE OF RULER OVER SITE REFERENCE POINT WHILE KEEPING TOP AND BOTTOM ALIGNED.

B) READ TICS ON RULER AT 1- or 0.5-SECOND INTERVALS. (INTERPOLATE)

C) EXPRESS IN MINUTES AND SECONDS (1'= 60"): ___ ' ___ . ___ "

D) ADD TO STARTING LONGITUDE: 87 ° 30 ' ___ . ___ " + 4 ' 48 . ___ =

SITE LONGITUDE: 87 ° 34 ' 48 . ___ "

INVESTIGATOR: Judy Roberts DATE: 6-15-94

Reference 3

OVERSIZED

DOCUMENT

Reference 4

HALLIBURTON NUS ENVIRONMENTAL CORPORATION — **TELECON NOTE**

CONTROL NO. MK63AH	**DATE:** 6/22/94	**TIME:** 1310

DISTRIBUTION:

Southern Industrial Maintenance

BETWEEN: Kim Gobble	**OF:** Lawrence County Tax Assessor's Clerk	**PHONE:** (615) 762-7700

AND: Judy Rakestraw, Halliburton NUS Corporation

DISCUSSION:

The property, once owned by Southern Industrial Maintenance, is now owned by Marion Bates. The property has been divided into three tracks.

Reference 5

HALLIBURTON NUS ENVIRONMENTAL CORPORATION ***TELECON NOTE***

CONTROL NO. MK63AH	**DATE:** 6/8/94	**TIME:** 0930

DISTRIBUTION:

Southern Industrial Maintenance

BETWEEN: Delphine Looney	**OF:** Bookkeeper, Iron City Water Dept.	**PHONE:** (615) 845-4413

AND: Judy Rakestraw, Halliburton NUS Corporation

DISCUSSION:

The Iron City Water Utility Dept., which serves approximately 225 customers, draws water from one spring.

225 customers x 2.62, 1990 Census of Population and Housing = 590 persons served by this sytem.

N 5 067 REVISED 0685

Reference 6

HALLIBURTON NUS ENVIRONMENTAL CORPORATION		*TELECON NOTE*
CONTROL NO. MK63AH	DATE: 6/13/94	TIME: 1150
DISTRIBUTION: Southern Industrial Maintenance		
BETWEEN: Robert Russ	OF: St. Joseph Water Dept.	PHONE: (615) 845-4141
AND: Judy Rakestraw, Halliburton NUS Corporation		

DISCUSSION:

St. Joseph obtains water from one spring located just inside the Tenn-Alabama line; and to the east, near LIttle Bluewater Creek. They have approximately 450 customers and serve the city area only.

Reference 7

1990 CPH-1-44

1990 Census of Population and Housing

Summary Population and Housing Characteristics

Tennessee

Issued August 1991

U.S. Department of Commerce
Robert A. Mosbacher, Secretary
Rockwell A. Schnabel, Deputy Secretary

Economics and Statistics Administration
Michael R. Darby, Under Secretary
for Economic Affairs and Administrator

BUREAU OF THE CENSUS
Barbara Everitt Bryant, Director

For definitions of terms and meanings of symbols, see text

State County Place and [In Selected States] County Subdivision	Persons in households	All households	Family households: Total	Family households: Married-couple family	Family households: Female householder no husband present	Nonfamily households: Total	Nonfamily households: Householder living alone: Total	Nonfamily households: Householder living alone: 65 years and over: Total	Nonfamily households: Householder living alone: 65 years and over: Female	Persons per – household	Persons per – family	Persons in group quarters: Total	Persons in group quarters: Institutionalized persons	Persons in group quarters: Other persons in group quarters
The State	4 748 056	1 853 775	1 348 019	1 059 569	232 699	505 706	442 129	178 077	143 185	2.56	3.85	129 129	65 389	63 740
COUNTY														
Anderson County	67 595	27 384	19 846	16 181	2 958	7 538	6 91[illegible]	3 117	2 547	2.47	2.96	655	578	[illegible]
Bedford County	30 031	11 608	8 768	7 082	1 289	2 840	2 534	1 290	1 017	2.59	3.01	380	343	37
Benton County	14 255	5 784	4 333	3 732	465	1 451	1 349	751	603	2.46	2.90	269	228	[illegible]
Bledsoe County	8 608	3 261	2 522	2 104	300	739	670	320	240	2.64	3.36	361	351	[illegible]
Blount County	84 463	33 624	25 344	21 284	3 237	8 280	7 400	3 267	2 661	2.51	2.94	1 506	1 044	462
Bradley County	72 043	27 604	21 157	7 518	2 841	6 447	5 714	2 277	1 826	2.61	3.22	669	539	30
Campbell County	34 783	13 150	10 158	8 036	1 702	2 992	2 789	496	1 192	2.65	3.07	296	285	[illegible]
Cannon County	10 356	3 980	3 035	2 574	351	945	872	470	375	2.60	3.03	[illegible]	[illegible]	[illegible]
Carroll County	26 560	10 727	8 013	6 612	1 092	2 714	2 531	1 435	1 148	2.50	2.95	654	388	266
Carter County	50 225	20 189	14 979	12 283	2 114	5 210	4 779	2 314	1 839	2.49	2.94	280	749	53
Cheatham County	26 840	9 515	7 748	6 679	776	1 767	1 524	587	436	2.82	3.15	300	180	[illegible]
Chester County	11 791	4 558	3 505	2 933	446	1 053	963	514	422	2.59	3.01	128	187	54
Claiborne County	25 533	9 629	7 579	6 266	1 307	2 050	1 910	935	772	2.65	3.05	604	210	394
Clay County	7 158	2 855	2 144	1 748	301	711	649	318	214	2.51	2.93	80	71	[illegible]
Cocke County	28 840	11 191	8 483	6 551	1 500	2 708	2 470	1 138	882	2.58	3.00	30	270	[illegible]
Coffee County	39 855	5 500	11 727	9 693	1 556	3 773	3 431	1 588	1 264	2.57	3.01	484	452	32
Crockett County	13 103	5 183	3 856	3 141	567	1 327	1 257	766	623	2.53	3.00	275	275	[illegible]
Cumberland County	34 207	13 426	10 451	8 842	1 265	2 975	2 688	1 299	1 026	2.55	2.92	529	529	[illegible]
Davidson County	489 689	207 530	131 395	95 592	29 555	76 135	62 830	18 268	14 969	2.36	2.97	21 395	10 317	10 778
Decatur County	10 330	4 216	3 109	2 603	391	1 107	1 032	607	461	2.45	2.91	142	142	[illegible]
DeKalb County	14 237	5 696	4 316	3 574	584	1 380	1 293	692	563	2.50	2.93	173	106	7
Dickson County	34 532	13 019	10 399	8 188	1 510	2 920	2 648	1 285	1 007	2.65	3.36	529	389	40
Dyer County	34 343	13 617	9 973	7 869	1 643	3 694	3 360	1 773	1 435	2.52	3.01	511	474	37
Fayette County	25 110	8 453	6 717	5 038	1 334	1 736	1 576	765	556	2.97	3.40	449	436	13
Fentress County	14 559	5 511	4 258	3 415	665	1 253	1 165	585	439	2.64	3.07	110	110	[illegible]
Franklin County	33 429	12 660	9 883	8 412	1 135	2 777	2 530	1 312	1 061	2.64	3.04	1 296	314	982
Gibson County	45 568	18 361	13 472	10 708	2 248	4 889	4 573	2 560	2 114	2.48	2.96	747	644	103
Giles County	25 336	9 832	7 454	6 038	1 114	2 378	2 218	1 166	891	2.58	3.02	405	205	200
Grainger County	16 912	6 394	5 076	4 281	591	1 318	1 217	590	459	2.64	3.02	83	146	37
Greene County	54 175	21 482	16 280	13 290	2 295	5 202	4 747	2 120	1 687	2.52	2.94	1 678	727	951
Grundy County	13 157	4 784	3 743	3 048	534	1 041	976	522	412	2.75	3.18	205	193	12
Hamblen County	49 750	19 429	14 795	11 895	2 314	4 634	4 138	1 629	1 313	2.56	2.97	730	525	205
Hamilton County	279 044	111 799	78 964	60 790	15 042	32 835	29 025	11 581	9 488	2.50	3.02	6 492	3 622	2 870
Hancock County	6 571	2 484	1 924	1 505	121	560	532	269	212	2.65	3.07	168	168	-
Hardeman County	22 589	8 276	6 190	4 534	1 356	2 086	1 887	948	751	2.73	3.22	788	770	18
Hardin County	22 350	8 726	6 633	5 490	382	2 093	1 940	978	764	2.56	3.00	283	263	20
Hawkins County	44 232	17 167	13 223	11 100	1 524	3 944	3 639	1 671	1 334	2.58	2.99	333	299	34
Haywood County	19 240	7 014	5 150	3 566	1 320	1 864	1 708	905	703	2.74	3.29	197	59	138
Henderson County	21 630	8 527	6 466	5 393	820	2 061	1 922	975	765	2.54	2.97	214	212	2
Henry County	27 456	11 362	8 216	6 743	1 126	3 146	2 902	1 619	1 282	2.42	2.89	432	388	44
Hickman County	15 715	5 976	4 608	3 883	526	1 368	1 229	619	505	2.63	3.04	1 039	1 039	-
Houston County	6 842	2 683	2 039	1 705	261	644	604	335	248	2.55	2.98	176	163	3
Humphreys County	15 551	6 063	4 593	3 844	561	1 470	1 373	665	514	2.56	3.01	244	110	134
Jackson County	9 176	3 642	2 782	2 303	334	860	806	475	358	2.52	2.94	121	119	2
Jefferson County	31 415	12 329	9 510	8 018	1 144	2 819	2 530	1 192	940	2.55	2.94	1 601	445	1 156
Johnson County	13 609	5 406	4 081	3 260	599	1 325	1 230	618	464	2.52	2.95	157	145	12
Knox County	322 400	133 639	90 561	71 679	15 478	43 078	36 661	12 962	10 642	2.42	2.97	12 349	3 288	9 061
Lake County	6 057	2 418	1 735	1 328	323	683	625	343	262	2.50	3.00	1 072	1 051	21
Lauderdale County	22 598	8 423	6 351	4 946	1 259	2 072	1 898	1 059	842	2.68	3.15	893	884	9
Lawrence County	34 992	13 338	10 265	8 665	1 291	3 073	2 884	1 596	1 317	2.62	3.06	311	302	9
Lewis County	9 098	3 533	2 606	2 179	328	927	859	451	353	2.58	3.06	149	136	3
Lincoln County	27 910	10 881	8 230	6 312	1 097	2 651	2 455	1 376	1 090	2.57	3.01	247	239	8
Loudon County	30 926	12 155	9 289	7 687	1 301	2 866	2 635	1 237	1 005	2.54	2.96	329	329	-
McMinn County	41 710	16 351	12 458	10 275	1 751	3 893	3 600	1 755	1 425	2.55	2.98	673	446	227
McNairy County	22 180	8 834	6 678	5 592	824	2 156	2 014	1 073	863	2.51	2.95	242	242	-
Macon County	15 817	6 159	4 711	4 027	522	1 448	1 356	707	577	2.57	3.00	89	56	33
Madison County	75 515	29 609	21 301	15 950	4 504	8 308	7 397	3 206	2 554	2.55	3.06	2 467	841	1 626
Marion County	24 645	9 215	7 171	5 838	1 332	2 044	1 873	963	761	2.67	3.08	215	205	10
Marshall County	21 248	8 268	6 120	4 950	581	2 148	1 954	989	779	2.57	3.04	291	229	62
Maury County	54 073	20 608	15 552	12 280	2 622	5 056	4 554	2 052	1 680	2.62	3.07	739	688	51
Meigs County	7 921	2 996	2 333	1 958	261	663	592	255	194	2.64	3.03	112	112	-
Monroe County	29 940	11 363	8 781	7 231	1 163	2 582	2 385	1 167	917	2.63	3.06	601	317	284
Montgomery County	93 516	34 345	26 914	22 284	3 712	7 431	6 208	2 071	1 628	2.72	3.09	6 982	472	6 510
Moore County	4 714	1 734	1 391	1 222	112	343	327	169	136	2.72	3.11	7	7	-
Morgan County	16 011	5 841	4 621	3 745	680	1 220	1 119	558	432	2.74	3.13	1 289	1 289	-
Obion County	31 399	12 412	9 219	7 624	1 279	3 193	2 950	1 598	1 290	2.53	3.00	318	298	20
Overton County	17 435	6 734	5 266	4 404	645	1 468	1 368	745	581	2.59	2.99	201	192	9
Perry County	6 460	2 512	1 905	1 650	186	607	568	300	232	2.57	3.02	152	152	-
Pickett County	4 494	1 786	1 330	1 105	169	456	430	239	184	2.52	2.98	54	49	5
Polk County	13 538	5 092	4 010	3 373	455	1 082	990	519	418	2.66	3.05	105	105	-
Putnam County	48 419	19 753	13 994	11 578	1 913	5 759	4 757	1 945	1 593	2.45	2.93	2 954	534	2 420
Rhea County	23 638	9 185	6 985	5 606	1 088	2 200	2 022	984	779	2.57	3.00	706	410	296
Roane County	46 747	18 453	13 967	11 612	1 831	4 486	4 126	1 970	1 592	2.53	2.96	480	434	46
Robertson County	41 045	14 801	11 886	9 903	1 537	2 915	2 623	1 283	990	2.77	3.14	449	449	-
Rutherford County	113 372	42 118	31 225	25 678	4 272	10 893	8 545	2 671	2 136	2.69	3.14	5 198	1 455	3 743
Scott County	18 189	6 534	5 128	4 150	765	1 406	1 311	684	553	2.78	3.21	169	169	-
Sequatchie County	8 778	3 287	2 555	2 087	353	732	656	322	252	2.67	3.06	85	85	-
Sevier County	50 394	19 520	15 091	12 706	1 853	4 429	3 858	1 561	1 239	2.58	2.96	649	582	67
Shelby County	803 085	303 571	212 076	144 773	56 404	91 495	77 999	25 382	20 245	2.65	3.22	23 245	12 180	11 065
Smith County	13 998	5 358	4 151	3 579	447	1 207	1 127	643	512	2.61	3.03	145	134	11
Stewart County	9 295	3 678	2 812	2 452	251	866	793	444	344	2.53	2.93	184	95	89
Sullivan County	141 449	56 729	42 516	35 372	5 632	14 213	13 048	5 674	4 669	2.49	2.93	2 147	1 351	796
Sumner County	102 065	36 850	29 511	24 907	3 545	7 339	6 384	2 579	2 093	2.77	3.13	1 216	637	579
Tipton County	37 301	13 033	10 345	8 119	1 780	2 688	2 410	1 198	924	2.86	3.27	267	267	-
Trousdale County	5 795	2 261	1 715	1 402	241	546	512	265	207	2.56	3.01	125	100	25
Unicoi County	16 318	6 621	4 938	4 074	653	1 683	1 565	868	703	2.46	2.91	231	220	11
Union County	13 573	4 932	3 992	3 325	508	940	841	385	300	2.75	3.10	121	90	31
Van Buren County	4 841	1 799	1 451	1 199	190	348	322	149	105	2.69	3.05	5	5	-
Warren County	32 597	12 681	9 601	7 861	1 365	3 080	2 834	1 404	1 152	2.57	3.01	395	381	14
Washington County	87 891	35 823	25 375	20 537	3 798	10 448	9 004	3 632	2 945	2.45	2.95	4 424	2 017	2 407
Wayne County	13 709	5 174	4 079	3 448	482	1 095	1 011	551	448	2.65	3.03	226	204	22
Weakley County	29 569	11 992	8 589	7 194	1 076	3 403	2 928	1 475	1 203	2.47	2.95	2 403	479	1 924
White County	19 880	7 722	5 986	4 989	765	1 736	1 622	915	725	2.57	2.98	210	192	18
Williamson County	80 308	27 928	23 096	20 255	2 228	4 832	4 146	1 389	1 317	2.88	3.20	713	699	14
Wilson County	67 110	24 070	19 610	16 710	2 249	4 460	3 910	1 688	1 335	2.79	3.13	565	271	294

Reference 8

1990 CPH-1-2

1990 Census of Population and Housing

Summary Population and Housing Characteristics

Alabama

Issued August 1991

U.S. Department of Commerce
Robert A. Mosbacher, Secretary
Rockwell A. Schnabel, Deputy Secretary

Economics and Statistics Administration
Michael R. Darby, Under Secretary
for Economic Affairs and Administrator

BUREAU OF THE CENSUS
Barbara Everitt Bryant, Director

Table 6. Household, Family, and Group Quarters Characteristics: 1990

(For definitions of terms and meanings of symbols, see text)

State / County / Place and (In Selected States) County Subdivision	Persons in households	All households	Family households: Total	Family households: Married-couple family	Family households: Female householder, no husband present	Nonfamily households: Total	Nonfamily households: Householder living alone: Total	Nonfamily households: Householder living alone: 65 years and over: Total	Nonfamily households: Householder living alone: 65 years and over: Female	Persons per — Household	Persons per — Family	Persons in group quarters: Total	Persons in group quarters: Institutionalized persons	Persons in group quarters: Other persons in group quarters
The State	3 948 183	1 506 790	1 103 835	858 327	201 230	402 955	358 078	154 191	123 608	2.62	3.13	92 402	51 583	40 819
COUNTY														
Autauga County	34 028	11 826	9 501	7 706	1 437	2 325	2 093	933	746	2 88	3 27	194	173	21
Baldwin County	97 144	37 044	28 142	23 512	3 716	8 902	7 923	3 717	2 874	2 62	3 06	1 136	759	377
Barbour County	24 844	9 218	6 687	4 869	1 518	2 531	2 340	1 218	961	2 70	3 26	573	539	34
Bibb County	16 333	5 745	4 478	3 626	650	1 267	1 164	628	518	2 84	3 29	243	225	18
Blount County	39 047	14 644	11 654	10 139	1 160	2 990	2 788	1 500	1 242	2 67	3 05	201	182	19
Bullock County	10 369	3 787	2 712	1 590	979	1 075	1 021	592	458	2 74	3 35	673	673	-
Butler County	21 687	7 935	5 825	4 261	1 289	2 110	1 987	1 174	925	2 73	3 29	205	205	-
Calhoun County	111 127	42 983	31 718	25 111	5 346	11 265	9 965	4 215	3 477	2 59	3 36	4 907	954	3 953
Chambers County	36 502	13 786	10 219	7 564	2 169	3 567	3 289	1 794	1 429	2 65	3 15	374	363	11
Cherokee County	19 444	7 446	5 860	4 984	666	1 606	1 523	828	653	2 61	3 07	77	76	1
Chilton County	32 278	12 114	9 352	7 773	1 218	2 762	2 552	1 358	1 073	2 66	3 09	230	212	18
Choctaw County	15 941	5 747	4 313	3 291	831	1 434	1 370	705	528	2 77	3 32	77	77	-
Clarke County	26 935	9 506	7 192	5 498	1 404	2 314	2 184	1 136	888	2 83	3 37	305	303	2
Clay County	13 084	5 003	3 794	3 169	495	1 209	1 153	646	525	2 62	3 09	168	168	-
Cleburne County	12 662	4 776	3 748	3 212	386	1 028	955	499	406	2 65	3 05	68	67	1
Coffee County	39 788	15 260	11 570	9 546	1 639	3 690	3 315	1 525	1 236	2 61	3 05	452	384	68
Colbert County	51 379	20 096	15 174	12 410	2 276	4 922	4 592	2 291	1 873	2 56	3 01	287	239	48
Conecuh County	13 948	5 259	3 898	2 926	808	1 361	1 302	750	596	2 65	3 18	106	92	14
Coosa County	10 907	4 017	3 095	2 469	476	922	855	419	306	2 72	3 17	156	156	-
Covington County	36 141	14 444	10 474	8 440	1 629	3 970	3 707	2 078	1 684	2 50	3 01	337	284	53
Crenshaw County	13 495	5 262	3 786	2 870	747	1 476	1 407	831	640	2 56	3 12	140	140	-
Cullman County	66 715	25 605	19 915	17 165	2 093	5 690	5 284	2 729	2 237	2 61	3 02	898	717	181
Dale County	47 225	17 574	13 334	10 818	2 052	4 240	3 709	1 428	1 127	2 69	3 15	2 408	306	2 102
Dallas County	47 196	17 033	12 402	7 770	4 038	4 631	4 322	2 163	1 693	2.77	3 36	934	566	368
DeKalb County	54 175	20 968	16 094	13 593	1 921	4 874	4 571	2 420	1 995	2 58	3 02	476	476	-
Elmore County	45 836	16 532	13 000	10 628	1 859	3 532	3 212	1 515	1 194	2 77	3 19	3 374	3 363	11
Escambia County	34 154	12 899	9 507	7 258	1 841	3 392	3 128	1 586	1 283	2 65	3 16	1 364	1 364	-
Etowah County	98 568	38 675	28 585	22 956	4 573	10 090	9 411	4 763	3 953	2 55	3 04	1 272	980	292
Fayette County	17 785	6 859	5 165	4 306	665	1 694	1 583	932	754	2 59	3 06	177	126	51
Franklin County	27 504	10 850	8 164	6 930	975	2 686	2 528	1 396	1 119	2 53	3 00	310	306	4
Geneva County	23 523	9 231	6 870	5 696	911	2 361	2 234	1 213	1 008	2 55	3 03	124	124	-
Greene County	10 083	3 512	2 532	1 475	894	980	917	488	353	2 87	3 50	70	70	-
Hale County	15 232	5 397	3 983	2 679	1 094	1 414	1 319	744	538	2 82	3 40	266	264	2
Henry County	15 260	5 769	4 320	3 336	779	1 449	1 345	767	609	2 65	3 13	114	103	11
Houston County	80 450	30 844	22 628	17 692	4 097	8 216	7 429	3 222	2 616	2 61	3 12	881	738	143
Jackson County	47 460	18 020	14 041	11 849	1 676	3 979	3 726	1 833	1 496	2 63	3 05	336	170	166
Jefferson County	638 382	251 479	176 573	129 641	39 530	74 906	66 633	26 851	21 781	2 54	3 10	13 143	8 463	4 680
Lamar County	15 536	6 005	4 512	3 777	571	1 493	1 416	814	653	2 59	3 07	179	162	17
Lauderdale County	78 134	30 905	22 966	19 144	3 113	7 939	7 235	3 414	2 807	2 53	3 00	1 527	633	894
Lawrence County	31 346	11 410	9 032	7 514	1 189	2 378	2 225	1 146	871	2 75	3 16	167	167	-
Lee County	82 724	33 097	20 115	15 336	3 675	12 982	8 635	2 001	1 539	2 50	3 11	4 422	703	3 719
Limestone County	52 404	19 685	15 277	12 794	1 935	4 408	4 077	1 791	1 456	2 66	3 09	1 731	1 589	142
Lowndes County	12 630	4 056	3 143	1 892	1 065	913	850	460	344	3 11	3 65	28	28	-
Macon County	22 611	8 483	5 535	3 119	2 056	2 948	2 482	1 137	855	2 67	3 36	2 317	563	1 754
Madison County	233 149	91 208	65 475	53 195	9 599	25 733	21 923	5 866	4 758	2 56	3 06	5 763	1 408	4 355
Marengo County	22 889	8 156	6 088	4 326	1 455	2 068	1 973	1 067	834	2 81	3 37	195	189	6
Marion County	29 219	11 521	8 700	7 391	1 013	2 821	2 650	1 432	1 174	2 54	2 99	611	570	41
Marshall County	70 119	27 761	20 927	17 403	2 790	6 834	6 332	3 136	2 594	2 53	2 97	713	574	139
Mobile County	371 562	136 899	100 814	73 628	22 877	36 085	31 851	12 548	9 841	2 71	3 23	7 081	3 951	3 130
Monroe County	23 801	8 412	6 355	4 845	1 261	2 057	1 915	972	756	2 83	3 35	167	160	7
Montgomery County	201 578	77 173	53 573	37 973	13 254	23 600	20 578	7 609	6 186	2 61	3 21	7 507	4 276	3 231
Morgan County	98 295	37 799	28 651	23 679	3 893	9 148	8 370	3 384	2 706	2 60	3 05	1 748	1 600	148
Perry County	12 145	4 201	3 102	1 994	945	1 099	1 049	605	468	2 89	3 50	614	138	476
Pickens County	20 456	7 568	5 658	4 179	1 236	1 910	1 822	1 039	787	2 70	3 21	243	222	21
Pike County	25 824	10 314	6 949	5 052	1 606	3 365	2 892	1 432	1 163	2 50	3 11	1 771	214	1 557
Randolph County	19 671	7 553	5 640	4 532	874	1 913	1 814	1 006	800	2 60	3 09	210	204	6
Russell County	46 286	17 499	12 736	9 045	3 053	4 763	4 286	1 825	1 392	2 65	3 17	574	406	168
St Clair County	48 453	17 666	14 094	12 032	1 597	3 572	3 265	1 486	1 194	2 74	3 13	1 556	1 530	26
Shelby County	97 539	35 985	27 767	24 095	2 862	8 218	7 034	1 886	1 483	2 71	3 14	1 819	582	1 237
Sumter County	15 434	5 545	3 914	2 417	1 286	1 631	1 475	778	590	2 78	3 42	740	142	598
Talladega County	71 728	26 448	20 195	15 589	3 752	6 253	5 782	2 810	2 252	2 71	3 18	2 379	1 854	525
Tallapoosa County	38 237	14 700	10 992	8 507	2 046	3 708	3 445	1 827	1 454	2 60	3 08	589	575	14
Tuscaloosa County	141 179	55 354	37 355	28 653	7 194	17 999	14 272	4 795	3 813	2 55	3 13	9 343	3 574	5 769
Walker County	66 859	25 554	19 534	16 072	2 723	6 020	5 608	2 957	2 402	2 62	3 06	811	651	160
Washington County	16 604	5 709	4 548	3 648	725	1 161	1 096	556	431	2 91	3 35	90	90	-
Wilcox County	13 355	4 415	3 289	2 080	1 033	1 126	1 055	588	463	3 02	3 64	213	210	3
Winston County	21 815	8 544	6 594	5 658	705	1 950	1 835	937	748	2 55	2 97	238	211	27
PLACE AND COUNTY SUBDIVISION														
Abbeville city, Henry County	3 081	1 214	852	609	199	362	341	206	177	2 54	3 13	92	90	2
Adamsville city, Jefferson County	4 142	1 484	1 219	1 013	155	265	245	123	101	2.79	3 13	19	-	19
Addison town, Winston County	626	263	194	152	36	69	61	30	27	2 38	2 80	-	-	-
Akron town, Hale County	468	182	120	63	51	62	60	42	30	2 57	3 31	-	-	-
Alabaster city, Shelby County	14 455	4 921	4 154	3 556	486	767	665	214	185	2 94	3 23	277	244	33
Alberville city, Marshall County	14 356	5 838	4 248	3 430	681	1 590	1 486	751	648	2 46	2 95	151	142	9
Alexander City city, Tallapoosa County	14 630	5 745	4 152	3 093	913	1 593	1 488	824	683	2 55	3 08	287	287	-
Alicevile city, Pickens County	2 933	1 200	763	488	246	437	423	283	233	2 44	3 20	76	76	-
Allgood town, Blount County	464	163	138	110	20	25	22	14	13	2 85	3 09	-	-	-
Altoona town	910	380	264	202	48	116	114	64	50	2 39	2 98	50	50	-
Blount County	3	1	1	1	-	-	-	-	-	3 00	3 00	-	-	-
Etowah County	907	379	263	201	48	116	114	64	50	2 39	2 98	50	50	-
Andalusia city, Covington County	9 120	3 812	2 556	1 902	551	1 256	1 167	603	513	2 39	3 00	149	109	40
Anderson town, Lauderdale County	339	144	105	89	15	39	38	22	17	2 35	2 84	-	-	-
Anniston city, Calhoun County	26 160	10 807	7 250	4 916	2 009	3 557	3 298	1 589	1 312	2 42	3 03	463	404	59
Arab city	6 256	2 592	1 909	1 575	275	683	645	320	281	2 41	2 88	65	65	-
Cullman County	22	10	9	7	1	1	1	1	1	2 20	2 33	-	-	-
Marshall County	6 234	2 582	1 900	1 568	274	682	644	319	280	2 41	2 89	65	65	-
Ardmore town, Limestone County	1 090	439	315	236	64	124	118	64	60	2 48	3 02	-	-	-
Argo town	930	332	270	242	23	62	56	27	17	2 80	3 15	-	-	-
Jefferson County	59	21	15	15	-	6	6	4	2	2 81	3 53	-	-	-
St Clair County	871	311	255	227	23	56	50	23	15	2 80	3 13	-	-	-
Arlton town, Dale County	743	285	200	151	42	85	84	47	41	2 61	3 24	-	-	-
Arley town, Winston County	338	123	102	84	14	21	19	13	9	2 75	3 07	-	-	-

Reference 9

HALLIBURTON NUS ENVIRONMENTAL CORPORATION	***TELECON NOTE***

CONTROL NO. MK63AH	**DATE:** 6/8/94	**TIME:** 0915

DISTRIBUTION:

Southern Industrial Maintenance

BETWEEN: Tim Lamprecht	**OF:** Iron City Mayor	**PHONE:** (615) 845-4467

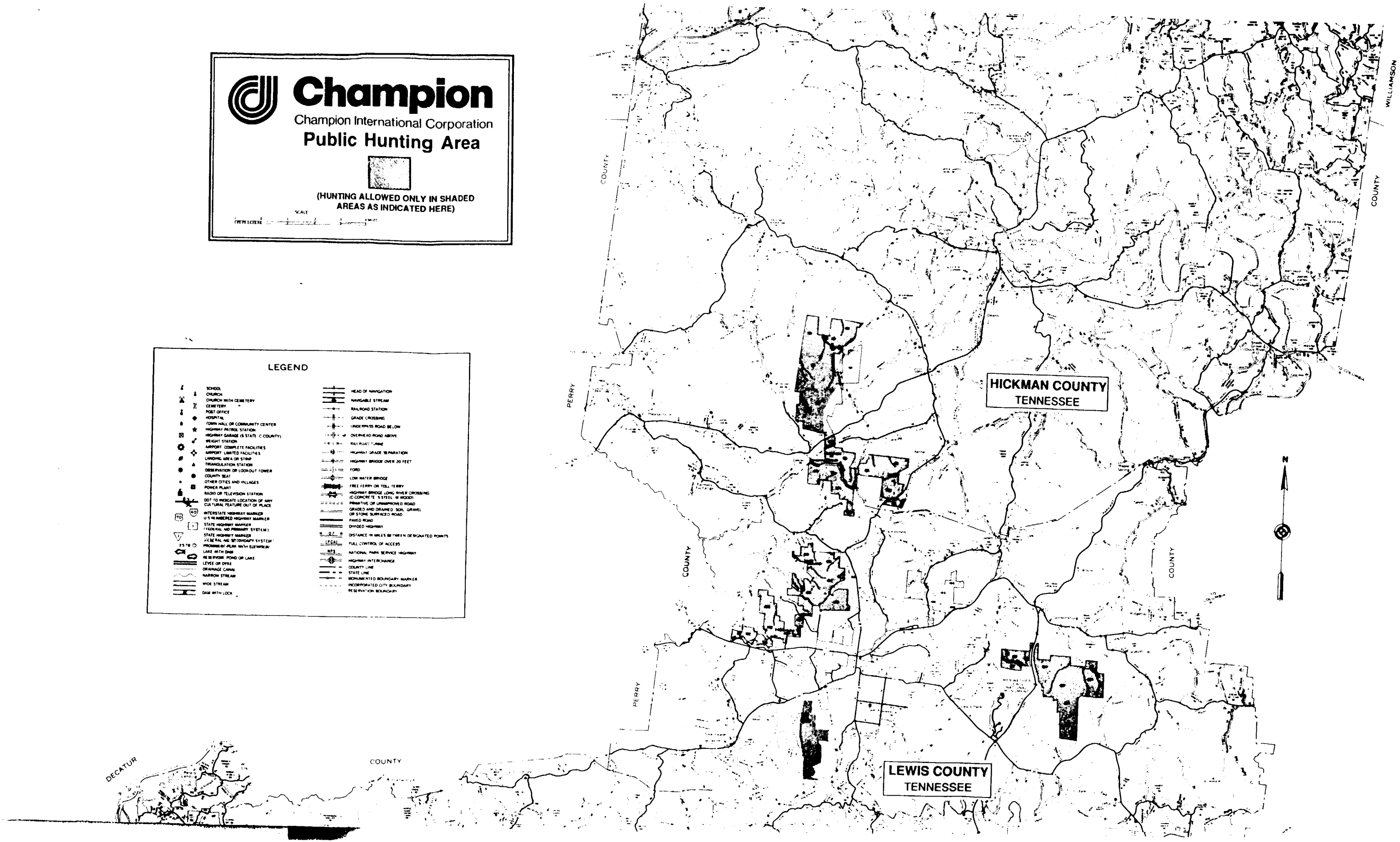
AND: Judy Rakestraw, Halliburton NUS Corporation

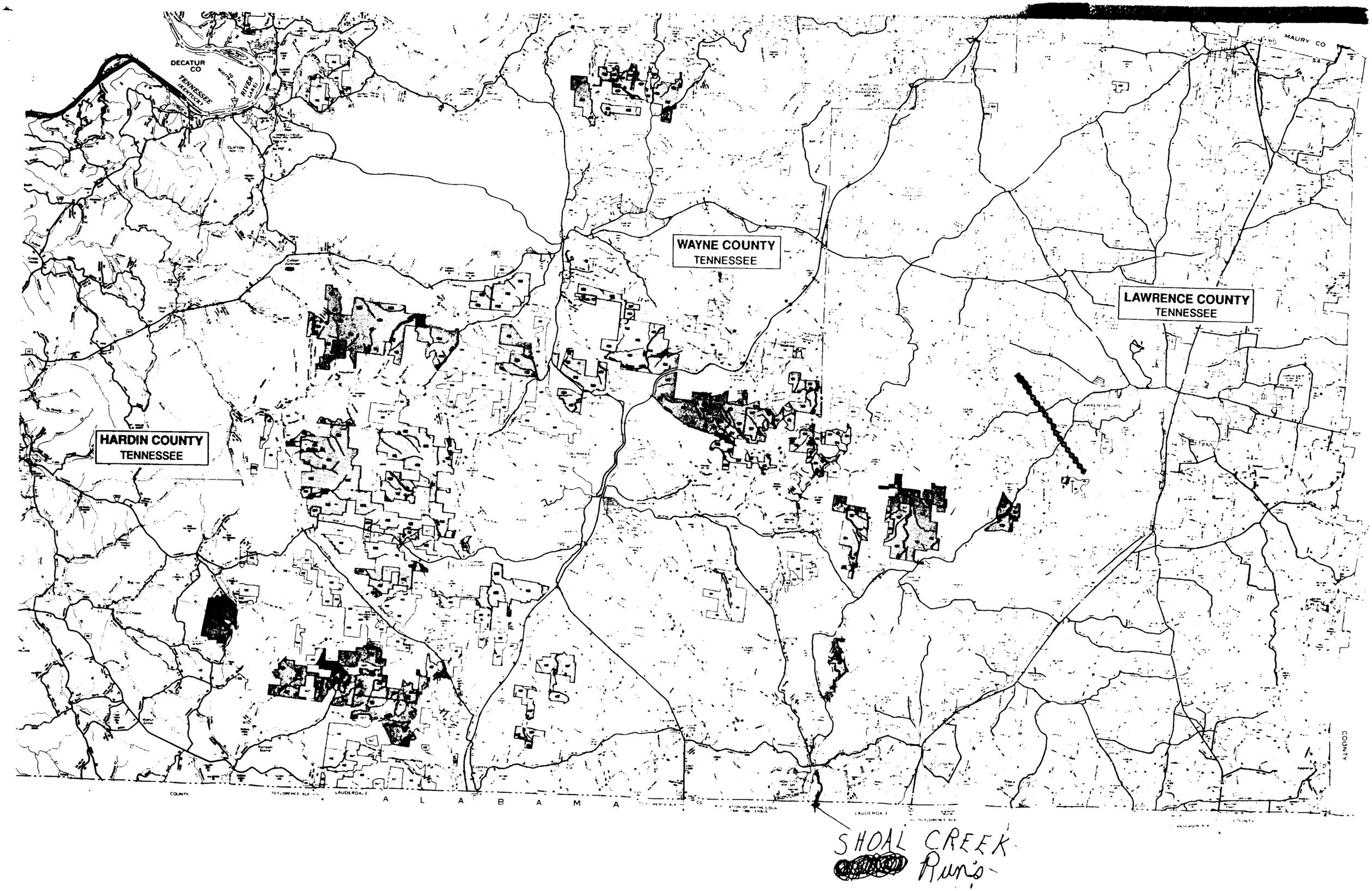
DISCUSSION:

All the water for the Iron City Utility District comes from one spring (gravity fed with a cover on it), located in the southwest corner of the service district. They used an intake from Shoals Creek for many years, but found that it was leaking up to 900,000 gallons of water per day. It is no longer in use.

There is fishing and boating on the Shoal Creek.

Reference 10




DECATUR CO
TENNESSEE
KENTUCKY
RIVER
LAND
CLIFTON
MAURY CO
WAYNE COUNTY
TENNESSEE
LAWRENCE COUNTY
TENNESSEE
HARDIN COUNTY
TENNESSEE
COUNTY
TO FLORENCE ALA
LAUDERDALE
A L A B A M A
LAUDERDALE
TO FLORENCE ALA
COUNTY
SHOAL CREEK
Runs

Reference 11

HALLIBURTON NUS ENVIRONMENTAL CORPORATION — **TELECON NOTE**

CONTROL NO. MK63AH	**DATE:** 6/13/94	**TIME:** 1600

DISTRIBUTION:

Southern Industrial Maintenance

BETWEEN: Randall Armstrong	**OF:** Lawrence County Agent	**PHONE:** (205) 760-5860

AND: Judy Rakestraw, Halliburton NUS Corporation

DISCUSSION:

There is no known use of groundwater or surface water for irrigation of commercial crops or watering livestock.

Reference 12

HALLIBURTON NUS ENVIRONMENTAL CORPORATION ***TELECON NOTE***

CONTROL NO. MK63AH	**DATE:** 6/13/94	**TIME:** 1220

DISTRIBUTION:

Southern Industrial Maintenance

BETWEEN: Doug Darr	**OF:** District Fisheries Biologist	**PHONE:** (205) 353-2634

AND: Judy Rakestraw, Halliburton NUS Corporation

DISCUSSION:

Shoal Creek is fished for suckers and bream. There are camp sites along the creek. Buck Branch Creek is very small, and there is no fishing along that creek as far as he knows.

Reference 13

HALLIBURTON NUS ENVIRONMENTAL CORPORATION — **TELECON NOTE**

CONTROL NO. MK63AH	**DATE:** 6/10/94	**TIME:** 0900

DISTRIBUTION:

Southern Industrial Maintenance

BETWEEN: Donna Flohr	**OF:** U.S. Geological Survey	**PHONE:** (615) 736-5424

AND: Judy Rakestraw, Halliburton NUS Corporation

DISCUSSION:

There is no flow rate information for Cedar Creek, Buck Branch Creek, but Shoal Creek annual mean flow rate is 574 cubic feet per second (cfs).

Reference 14

OVERSIZED

DOCUMENT

rence 15

ZONE A	No base flood elevations determined.
ZONE AE	Base flood elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flood-

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

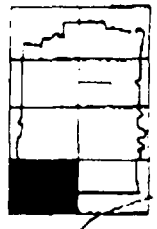
LAWRENCE COUNTY, TENNESSEE AND INCORPORATED AREAS

PANEL 175 OF 200

CONTAINS:

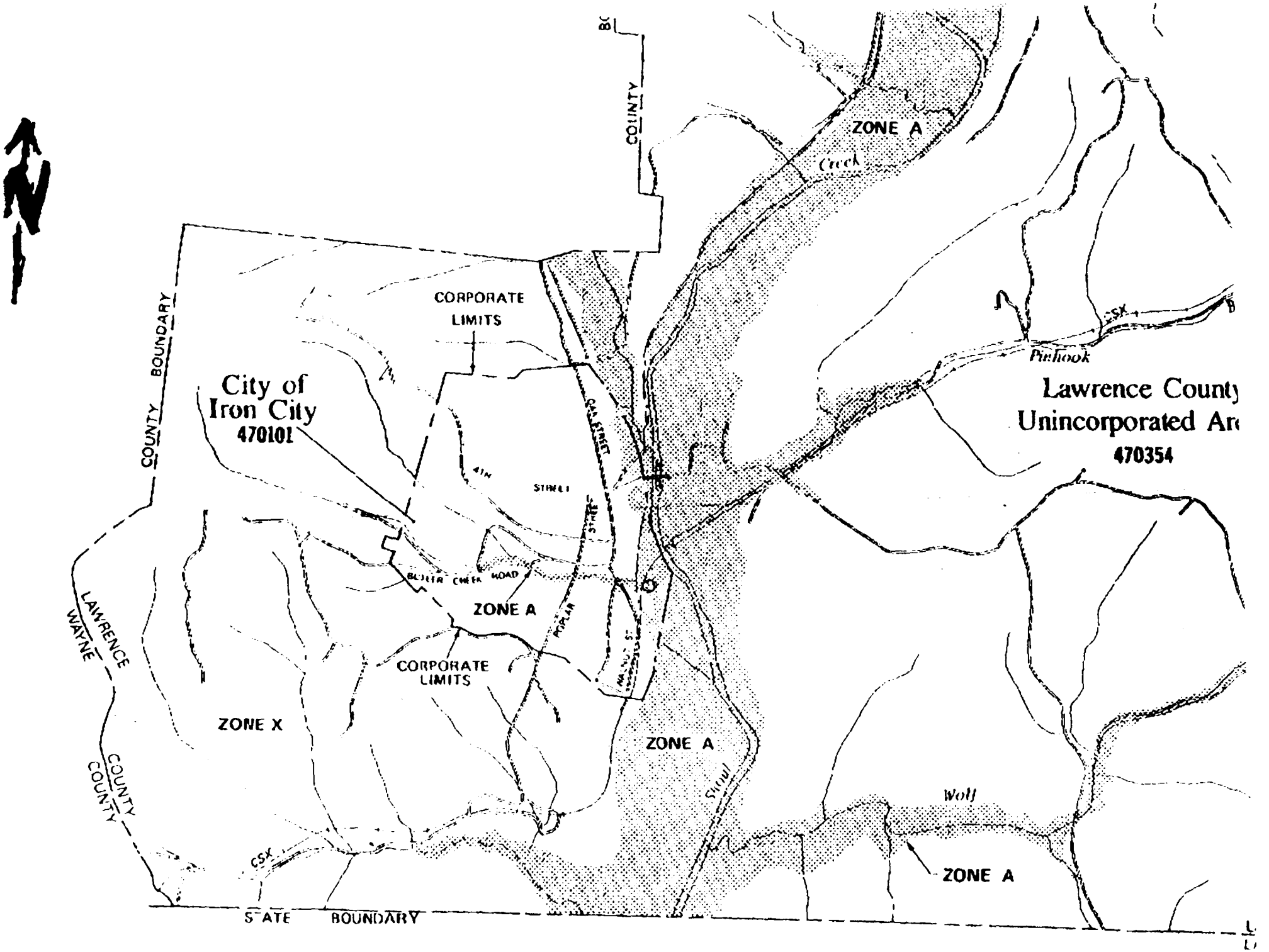
COMMUNITY	NUMBER	PANEL	SUFFIX
IRON CITY, CITY OF	470101	0175	B
LORETTO, CITY OF	470306	0175	B
ST. JOSEPH, CITY OF	470327	0175	B
UNINCORPORATED AREAS	470354	0175	B

PANEL LOCATION



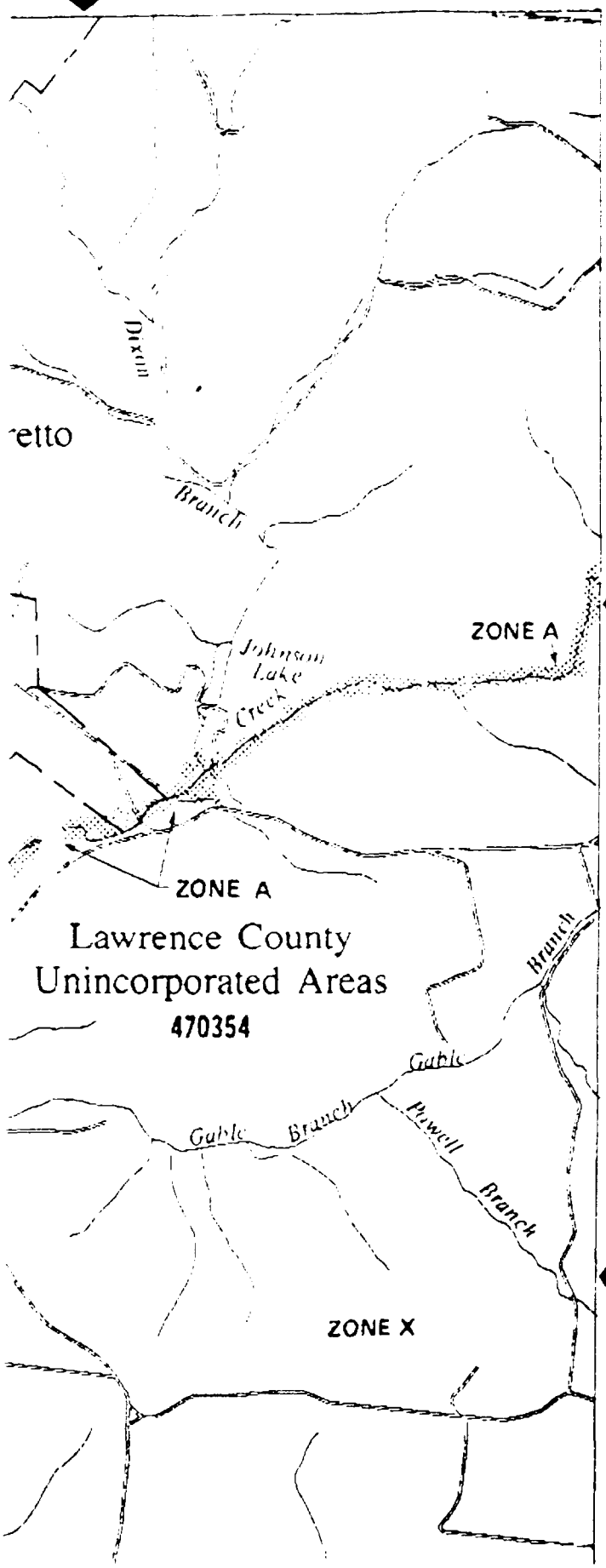
MAP NUMBER:
47099C0175 B

EFFECTIVE DATE:
DECEMBER 16, 1988



COUNTY
ZONE A
Creek
CORPORATE
LIMITS
COUNTY BOUNDARY
City of
Iron City
470101
4TH
STREET
CAN STREET
Pinhook
CSX
Lawrence County
Unincorporated Ar
470354
BUTLER CREEK ROAD
ZONE A
POPLAR
CORPORATE
LIMITS
LAWRENCE
WAYNE
ZONE X
ZONE A
Shoal
Wolf
COUNTY
COUNTY
CSX
ZONE A
STATE BOUNDARY

J



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100 YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside the 500-year flood plain.

ZONE D Areas in which flood hazards are undetermined.

Flood Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet*

D — D Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone

RM7 X Elevation Reference Mark

•M1.5 River Mile

*Referenced to the National Geodetic Vertical Datum of 1929

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

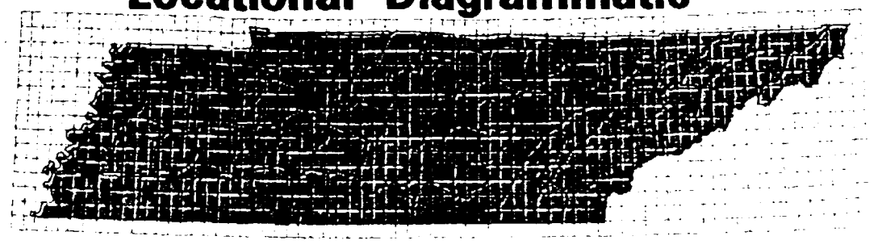
Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is less than 1/20 inch.

Coastal base flood elevations apply only landward of the shoreline.

Elevation reference marks are described in the Flood Insurance Study.

Reference 16

Locational Diagrammatic



Quadrangle Section Index

TL	TR
ML	MR
BL	BR

The area of each 1/6 quadrangle section is approx. 10.3 square miles or 6583.3 acres.

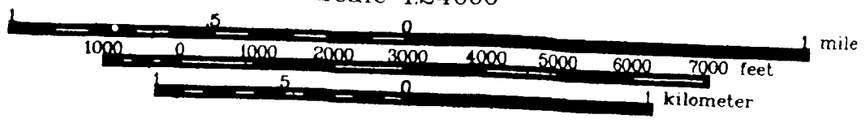
- 1/6 QUADRANGLE GRID
- HYDROLOGY, LINEAR
- POWER TRANSMISSION LINES
- RAILROADS
- INTERSTATE HIGHWAYS
- FEDERAL and STATE HIGHWAYS
- OTHER ROADS
- 7.5 MINUTE QUADRANGLE EXTENT
- URBAN
- TWRA WILDLIFE MANAGEMENT AREAS
- HYDROLOGY, DISCREET
- WILDLIFE REFUGES

The following table represents the rate of occurre endangered, or threatened species in each quadrai map. Data on these species has been provided b Environment and Conservation, Division of Ecologi

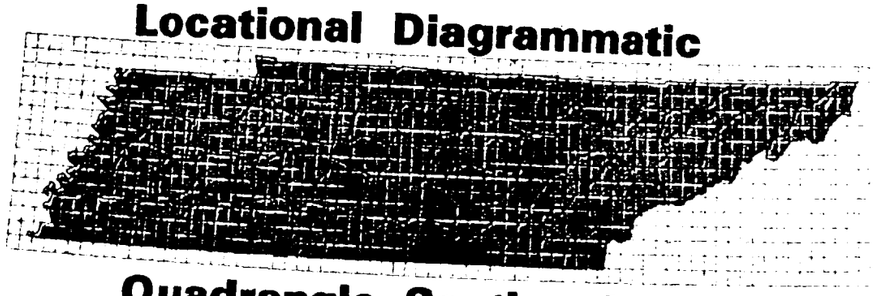
SECTION	SCIENTIFIC NAME	COMMON NAME
ML	ETHEOSTOMA BOSCHUNGI	SLACKWATER DARTER
ML	HEMITREMIA FLAMMEA	FLAME CHUB
ML	ICHTHYOMYZON GAGEI	SOUTHERN BROOK LAMPR
BL	ETHEOSTOMA BOSCHUNGI	SLACKWATER DARTER
BL	HEMITREMIA FLAMMEA	FLAME CHUB
MR	HEMITREMIA FLAMMEA	~~FLAME CHUB~~ R
MR	ICHTHYOMYZON GAGEI	~~SOUTHERN BROOK LAMPR~~
BR	HEMITREMIA FLAMMEA	~~FLAME CHUB~~ R

GENERATED BY THE TWRA GEOGRAPHIC INFORMATION S

Scale 1:24000



Locational Diagrammatic



Quadrangle Section Index

TL	TR
ML	MR
BL	BR

The area of each 1/6 quadrangle section is approx. 10.3 square miles or 6583.3 acres.

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- URBAN
- TWRA WILDLIFE MANAGEMENT AREAS
- HYDROLOGY, DISCREET

WHIT

The following table represents the rate of occurrence (
endangered, or threatened species in each quadrangle s
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Environment and Conservation, Division of Ecological Se

SECTION	SCIENTIFIC NAME	COMMON NAME
ML	ETHEOSTOMA BOSCHUNGI	SLACKWATER DARTER
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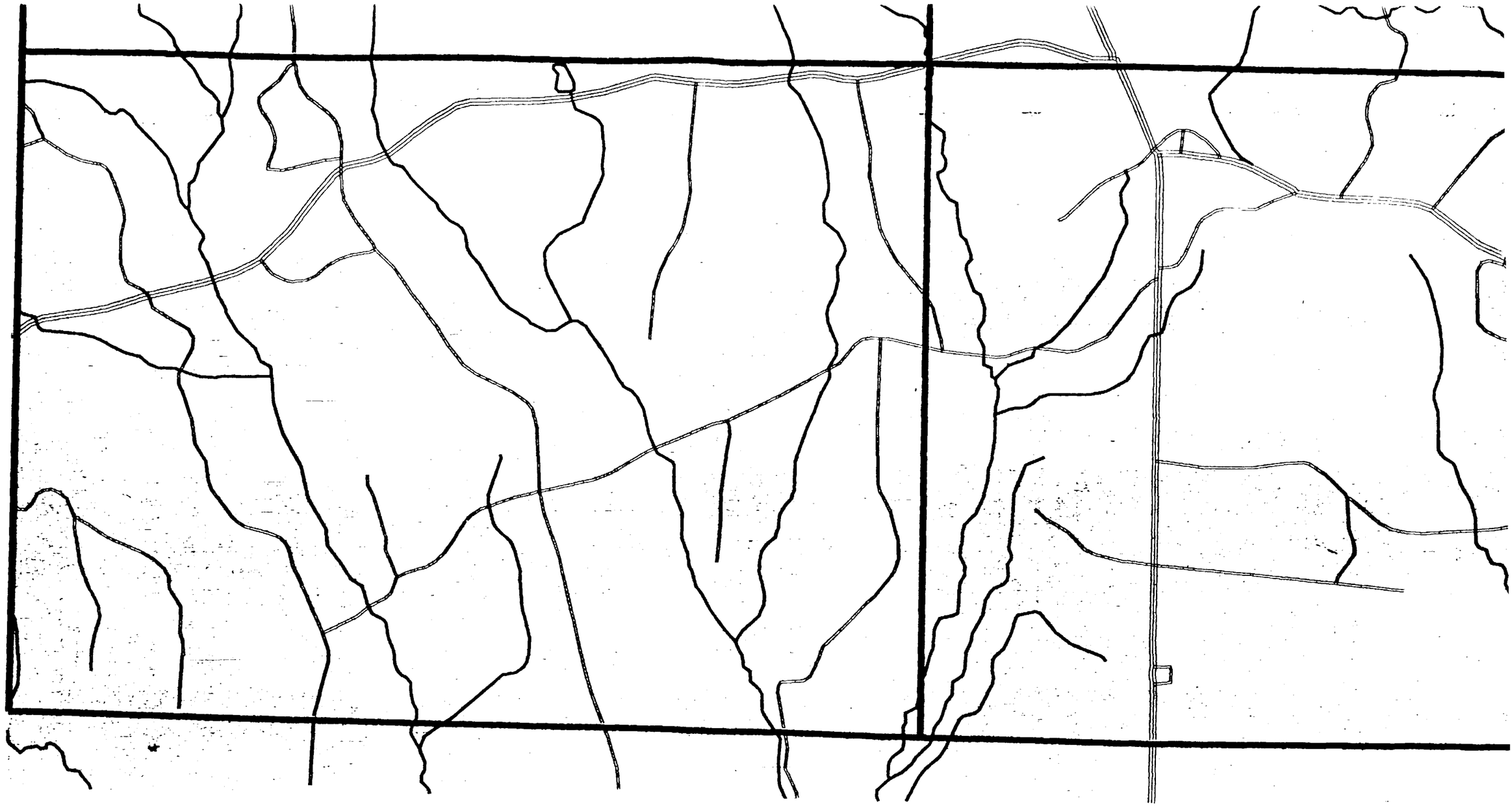
MR	HEMITREMIA FLAMMEA	FLAME CHUB
MR	ICHTHYOMYZON GAGEI	SOUTHERN BROOK LAMPREY
BR	HEMITREMIA FLAMMEA	FLAME CHUB

WHITTEN

ing table represents the rate of occurrence (frequency) of rare,
, or threatened species in each quadrangle section of the above
on these species has been provided by the Tennessee Dept. of
ıt and Conservation, Division of Ecological Services.

: NAME	COMMON NAME	FREQUENCY
ıOSCHUNGI	SLACKWATER DARTER	1
.AMMEA	FLAME CHUB	2
I GAGEI	SOUTHERN BROOK LAMPREY	1
ıOSCHUNGI	SLACKWATER DARTER	3
.AMMEA	FLAME CHUB	3
.AMMEA	FLAME CHUB	1
I GAGEI	SOUTHERN BROOK LAMPREY	1
.AMMEA	FLAME CHUB	1



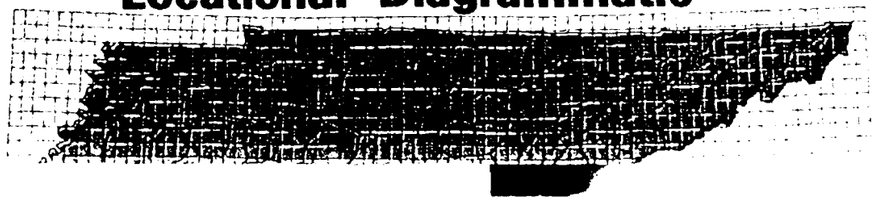
Scale 1:24000

1 .5 0 1 mile

1000 0 1000 2000 3000 4000 5000 6000 7000 feet

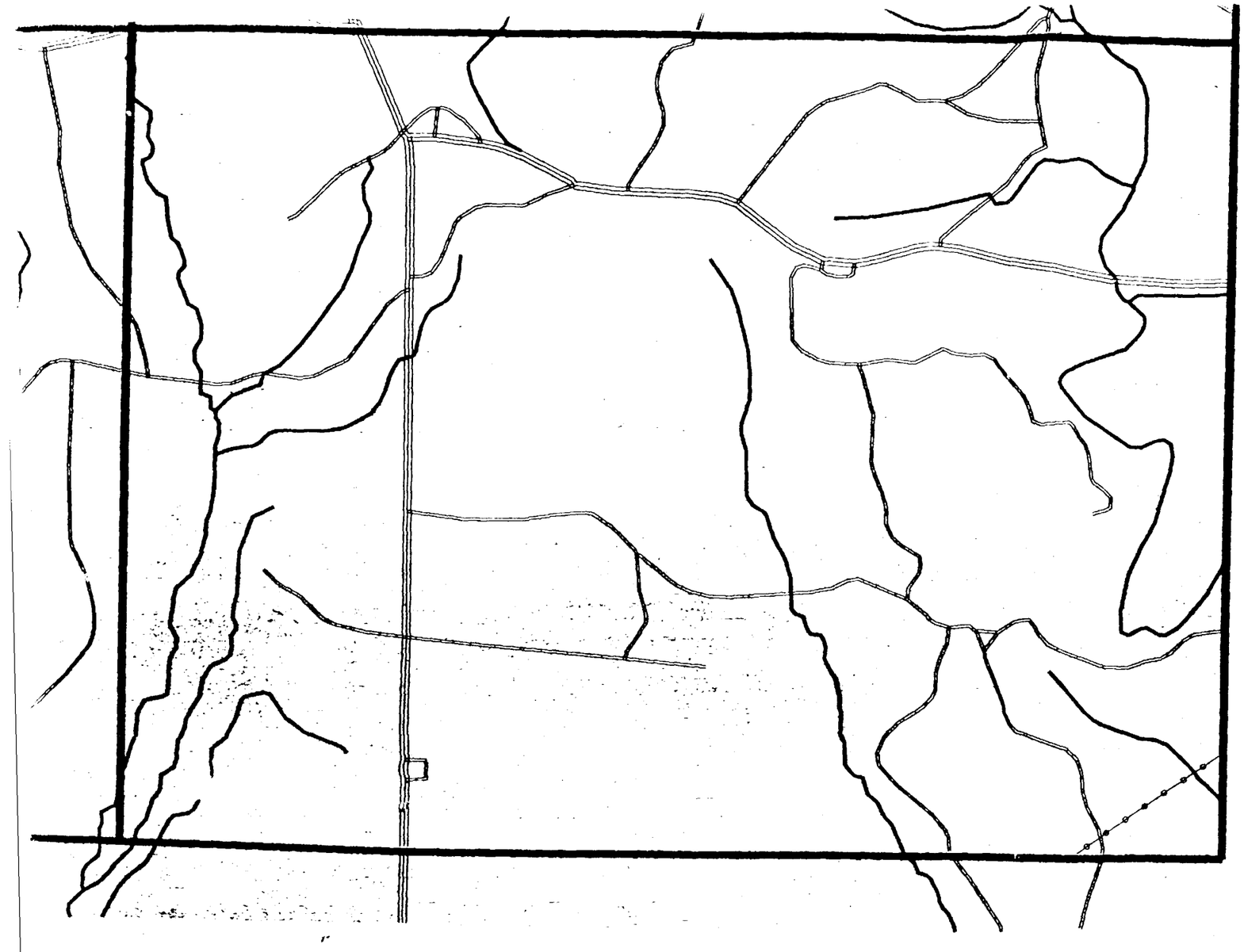
1 .5 0 1 kilometer

Locational Diagrammatic



WHIT

**The following table represents the rate of occurrence (
endangered, or threatened species in each quadrangle
map. Data on these species has been provided by the**



WHITTEN

table represents the rate of occurrence (frequency) of rare,
r threatened species in each quadrangle section of the above
these species has been provided by the Tennessee Dept. of
d Conservation, Division of Ecological Services.

ST-J

presents the rate of occurrence
ned species in each quadrangle
pecies has been provided by the
rvation, Division of Ecological

COMMON NAME

~~HELLBENDER~~ R
~~VARICOSE ROCKSNAIL~~ R
~~SOUTHERN CAVEFISH~~ R
ONYX ROCKSNAIL
TENNESSEE CLUBSHELL

EOGRAPHIC INFORMATION SYST

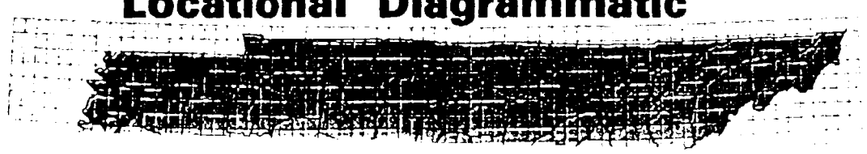
Scale 1:24000

1 .5 0 1 mile

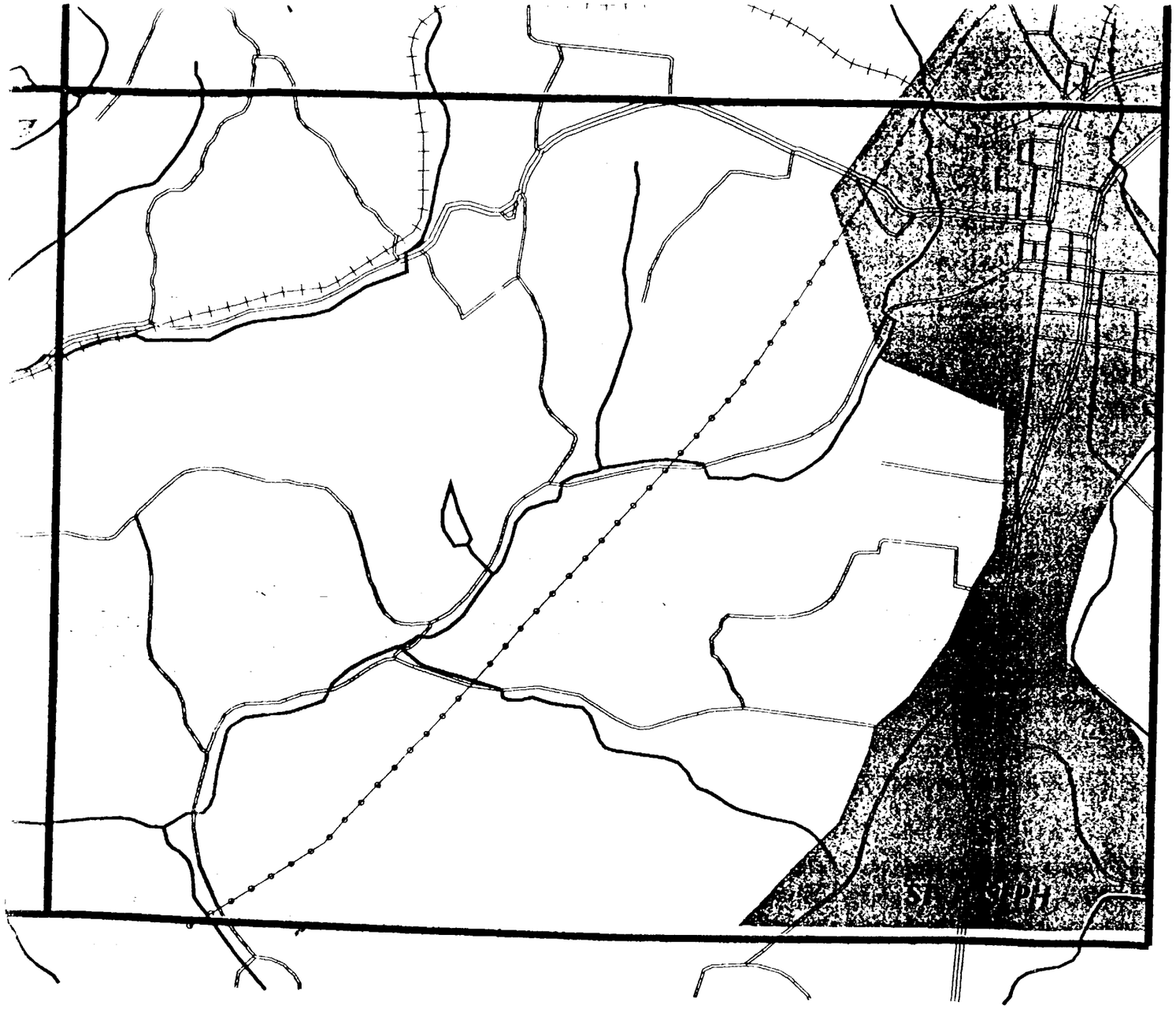
1000 0 1000 2000 3000 4000 5000 6000 7000 feet

1 .5 0 1 kilometer

Locational Diagrammatic

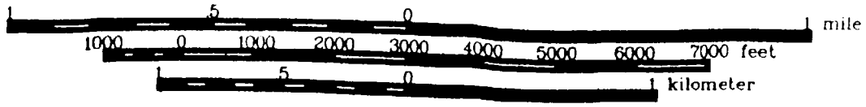


The following table represent[illegible] endangered, or threaten[illegible] man. Data on these sp[illegible]

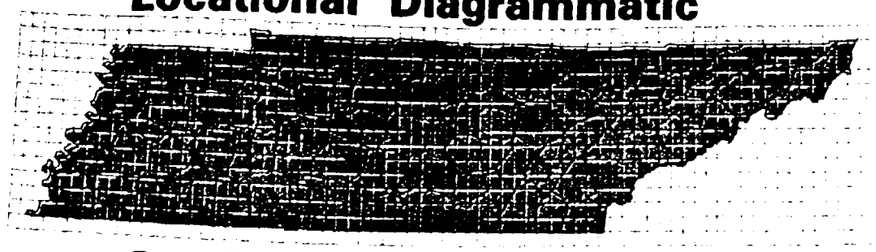


ST-JOSEPH

ıble represents the rate of occurrence (frequency) of rare,
threatened species in each quadrangle section of the above
hese species has been provided by the Tennessee Dept. of



Locational Diagrammatic



Quadrangle Section Index

TL	TR
ML	MR
BL	BR

The area of each 1/6 quadrangle section is approx. 10.3 square miles or 6583.3 acres.

- 1/6 QUADRANGLE GRID
- HYDROLOGY, LINEAR
- POWER TRANSMISSION LINES
- RAILROADS
- INTERSTATE HIGHWAYS
- FEDERAL and STATE HIGHWAYS
- OTHER ROADS
- 7.5 MINUTE QUADRANGLE EXTENT
- URBAN
- TWRA WILDLIFE MANAGEMENT AREAS
- HYDROLOGY, DISCREET
- WILDLIFE REFUGES

ST-JO

The following table represents the rate of occurrence (endangered, or threatened species in each quadrangle s map. Data on these species has been provided by the Environment and Conservation, Division of Ecological S

SECTION	SCIENTIFIC NAME	COMMON NAME
BL	CRYPTOBRANCHUS ALLEGANIENSIS	HELLBENDER R
BL	LITHASIA VERRUCOSA	VARICOSE ROCKSNAIL A
BL	TYPHLICHTHYS SUBTERRANEUS	SOUTHERN CAVEFISH R
TR	LEPTOXIS PRAEROSA	ONYX ROCKSNAIL
TR	PLEUROBEMA OVIFORME	TENNESSEE CLUBSHELL

GENERATED BY THE TWRA GEOGRAPHIC INFORMATION SYSTE

ST-JOSEPH

ing table represents the rate of occurrence (frequency) of rare,
l, or threatened species in each quadrangle section of the above
on these species has been provided by the Tennessee Dept. of
ıt and Conservation, Division of Ecological Services.

IC NAME	COMMON NAME	FREQUENCY
HUS ALLEGANIENSIS	HELLBENDER	1
RUCOSA	VARICOSE ROCKSNAIL	1
SUBTERRANEUS	SOUTHERN CAVEFISH	1
EROSA	ONYX ROCKSNAIL	1
OVIFORME	TENNESSEE CLUBSHELL	1

Reference 17

ENDANGERED AND THREATENED SPECIES

OF THE

SOUTHEASTERN UNITED STATES

(THE RED BOOK)

Introduction Section, Volume 1

Prepared by:

U.S. Fish and Wildlife Service
Southeast Region
Atlanta, Georgia

January 1992

Availability Unlimited
For Sale by Superintendent of Documents
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Federally Listed Species by State

TENNESSEE

(E=Endangered; T=Threatened; CH=Critical Habitat determined)

Mammals	General Distribution
Bat, gray (*Myotis grisescens*) - E	Entire State
Bat, Indiana (*Myotis sodalis*) - E, CH	Central, East
Cougar, eastern (*Felis concolor couguar*) - E	North, East
Panther, Florida (*Felis concolor coryi*) - E	Southwest
Squirrel, Carolina northern flying (*Glaucomys sabrinus coloratus*) - E	Eastern mountains (Carter and Sevier Counties)

Birds	
Eagle, bald (*Haliaeetus leucocephalus*) - E	Entire State
Falcon, American peregrine (*Falco peregrinus anatum*) - E	East, Central, Extreme Northwest
Falcon, Arctic peregrine (*Falco peregrinus tundrius*) - T	Entire State (mostly West)
Tern, least (*Sterna antillarum*) interior population - E	Mississippi River
Warbler, Bachman's (*Vermivora bachmanii*) - E	West
Warbler, Kirtland's (*Dendroica kirtlandii*) - E	Extreme Northeast
Woodpecker, ivory-billed (*Campephilus principalis*) - E	Extreme West
Woodpecker, red-cockaded (*Picoides* [=*Dendrocopos*] *borealis*) - E	East

Fishes	
Chub, slender (*Hybopsis cahni*) - T,CH	Hancock, Claiborne, Grainger Counties
Chub, spotfin (*Hybopsis monacha*) - T,CH	Hawkins, Sullivan, Morgan, Fentress, and Cumberland Counties
Dace, blackside (*Phoxinus cumberlandensis*) - T	Upper Cumberland River System (Scott, Campbell, and Claiborne Counties)
Darter, amber (*Percina antesella*) - E,CH	Conasauga R., Polk County

TENNESSEE (Cont'd)

	General Distribution
Darter, boulder (Etheostoma [Nothonotus] sp.) - E	Lower Elk River System, Giles County
Darter, duskytail (Etheostoma [catonotus] sp. - E	Little River, Blount County; Citico Creek, Monroe County; Big South Fork Cumberland River, Scott County
Darter, slackwater (Etheostoma boschungi) - T,CH	Wayne and Lawrence Counties
Darter, snail (Percina tanasi) - T	Knox, Loudon, Meigs, Polk, Bradley/McMinn, Hamilton, Marion, and Giles Counties
Logperch, Conasauga (Percina jenkinsi) - E,CH	Conasauga River, Polk County
Madtom, pygmy (Noturus stanauli) - E	Duck River, Humphreys County; Clinch River, Hancock County
Madtom, smoky (Noturus bailey) - E,CH	Citico Creek, Monroe County
Madtom, yellowfin (Noturus flavipinnis) - T,CH	Claiborne and Hancock Counties; Monroe County (Citico Creek)
Shiner, blue (Cyprinella caerulea) - T	Conasauga River and Minnewauga Creek
Shiner palezone (Notropis) sp. cf. procne) - E	Clinch River drainage, Campbell County
Mollusks	
Clubshell, southern (Pleurobema decisum) - E	Coosa River and tributaries
Kidneyshell, triangular (Ptychobranchus greeni) - E	Coosa drainage in the Conasauga River
Moccasinshell, Coosa (Medionidus acutissimus) - E	Conasauga River
Mussel, Alabama lamp pearly (Lampsilis virescens) - E	Estill Fork, Franklin County

	General Distribution
Mussel, Appalachian monkeyface pearly (*Quadrula sparsa*) - E	Powell River
Mussel, birdwing pearly (*Conradilla caelata*) - E	Powell, Clinch, Elk and Duck Rivers
Mussel, Cumberland bean pearly (*Villosa trabilis*) - E	Big S. Fork of Cumberland River
Mussel, Cumberland monkeyface pearly (*Quadrula intermedia*) - E	Elk, Powell and Duck Rivers
Mussel, Cumberland pigtoe (*Pleurobema gibberum*) - E	Caney Fork River System
Mussel, dromedary pearly (*Dromus dromas*) - E	Powell, Clinch, Cumberland and Tennessee Rivers
Mussel, fine-rayed pigtoe pearly (*Fusconaia cuneolus*) - E	Powell, Clinch, Elk, Sequatchie, N. Fork Holston and Little Rivers
Mussel, green-blossom pearly (*Epioblasma* [=*Dysnomia*] *torulosa gubernaculum*) - E	Clinch River
Mussel, little-wing pearly (*Pegias fabula*) - E	Cave Creek
Mussel, orange-footed pearly (*Plethobasus cooperianus*) - E	Tennessee and Cumberland Rivers
Mussel, pale lilliput pearly *Toxolasma* [= *Carunculina*] *cylindrella*) - E	Historic; no recent TN records
Mussel, pink mucket pearly (*Lampsilis orbiculata*) - E	Tennessee, Clinch and Cumberland Rivers
Mussel, rough pigtoe pearly (*Pleurobema plenum*) - E	Clinch, Cumberland and Tennessee Rivers
Mussel, shiny pigtoe pearly (*Fusconaia edgariana*) - E	Powell, Clinch and Elk Rivers
Mussel, tan riffle shell (*Epioblasma* [=*Dysnomia*] *walkeri*) - E	Historic; no recent TN records

	General Distribution
Mussel, tuberculed-blossom pearly (*Epioblasma* [=*Dysnomia*] *torulosa torulosa*) - E	Possibly extinct
Mussel, turgid-blossom pearly (*Epioblasma* [=*Dysnomia*] *turgidula*) - E	Possibly extinct
Mussel, white warty-back pearly (*Plethobasus cicatricocus*) - E	Tennessee River
Mussel, yellow-blossom pearly (*Epioblasma* [=*Dysnomia*] *florentina florentina*) - E	Possibly extinct
Pigtoe, southern (*Pleurobema georgianum*) - E	Upper Conasauga River
Pocketbook, fine-lined (*Lampilis altilis*) - T	Conasauga River
Snail, Chittenango ovate amber (*Succinea chittenangoensis*) - T	Monroe County
Snail, painted snake coiled forest (*Anguispira picta*) - T	Franklin County
Arthropods:	
Crayfish, Nashville (*Orconectes shoupi*) - E	Mill Creek, Davidson and Williamson Counties
Plants	
Apios priceana (Price's potato-bean) - T	Marion, Montgomery, and Williamson Counties
Arenaria cumberlandensis (Cumberland sandwort) - E	Cumberland plateau north central (Fentress, Morgan, Pickett, and Scott Counties)
Conradina verticillata (Cumberland rosemary) - T	Big South Fork Cumberland River, Morgan, Scott, and Fentress Counties; Caney Fork River, Cumberland and White Counties; Obed River System, Morgan and Cumberland Counties
Astragalus bibullatus (Guthrie's ground-plum) - E	Rutherford County
Dalea foliosa (=*Petalostanum foliosum*) - (Leafy prairie clover) - E	Rutherford, Wilson, Marshall, Bedford, Davidson, Williamson, and Maury Counties
Echinacea tennesseensis (Tennessee coneflower) - E	Davidson, Rutherford, Wilson Counties

	General Distribution
Isotria medeoloides (small whorled pogonia) - E	Hamilton County
Phyllitis scolopendrium var. *Americana* (American Hart's Tongue Fern) - T	Marion County
Pityopsis ruthii (Ruth's golden aster) - E	Polk County
Scutellaria montana (large-flowered skullcap) - E	Hamilton and Marion Counties
Solidago spithamaea (Blue Ridge goldenrod) - T	Carter County
Spiraea virginiana - T (Virginia spiraea)	Nolichucky River, Unicol County; Abrams Creek and Little River, Blount County; Cane Creek, Van Buren County; White Oak Creek, Scott County; Clifty Creek in Roane County; Daddy's Creek in Cumberland County; and Clear Fork in Morgan and Scott Counties
Xyris Tennesseensis (Tennessee yellow-eyed grass) - E	Lewis County

i

Reference 18

SOUTHERN INDUSTRIAL MAINTE
LATITUDE 35: 1:10 LONGITUDE 87:34:48 1983 POPULATION

KM	0.00-.400	.400-.810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	SECTOR TOTALS
S 1	0	0	0	0	0	0	0
S 2	0	0	0	0	0	0	0
S 3	0	0	0	0	0	0	0
S 4	0	0	0	0	0	0	0
S 5	0	0	0	0	0	0	0
S 6	0	0	0	0	0	0	0
S 7	0	0	0	0	0	0	0
S 8	0	473	0	0	0	0	473
RING TOTALS	0	473	0	0	0	0	473

press RETURN to continue
MENU: Geodata Handling Data List procedures
[illegible] (in parentheses) ([illegible])
or a command: HELP, HELP option, BACK, CLEAR, EXIT, TUTOR
GEMS> exit

Type YES to confirm the EXIT command; type NO to restart GEMS
GEMS> yes
$ logout
HTW logged out at 7-JUN-1994 16:27:24.26
Itemized resource charges, for this session, follow:

NODE: VAXTM1
ACCT: 9040
PROJ: GEMS0001
USER: HTW
UIC: [000710,000012]
BAUD:

START TIME: 7-JUN-1994 16:25:51.51
FINISH TIME: 7-JUN-1994 16:27:24.26
BILLING PERIOD:940601
WEEKDAY: TUESDAY
TERMINAL PORT: VTA9056

DESCRIPTION OF CHARGE		QUANTITY	EXPENDITURE
ALL CHARGE LEVELS			
300 baud	(Seconds)	93	0.0000
CPU TIME	(Seconds)	2	0.4656
TOTAL FOR THIS SESSION			$ 0.4656

** Note: This total reflects the charges for this process only, subprocesses created during this session are accounted for separately

CLR PAD
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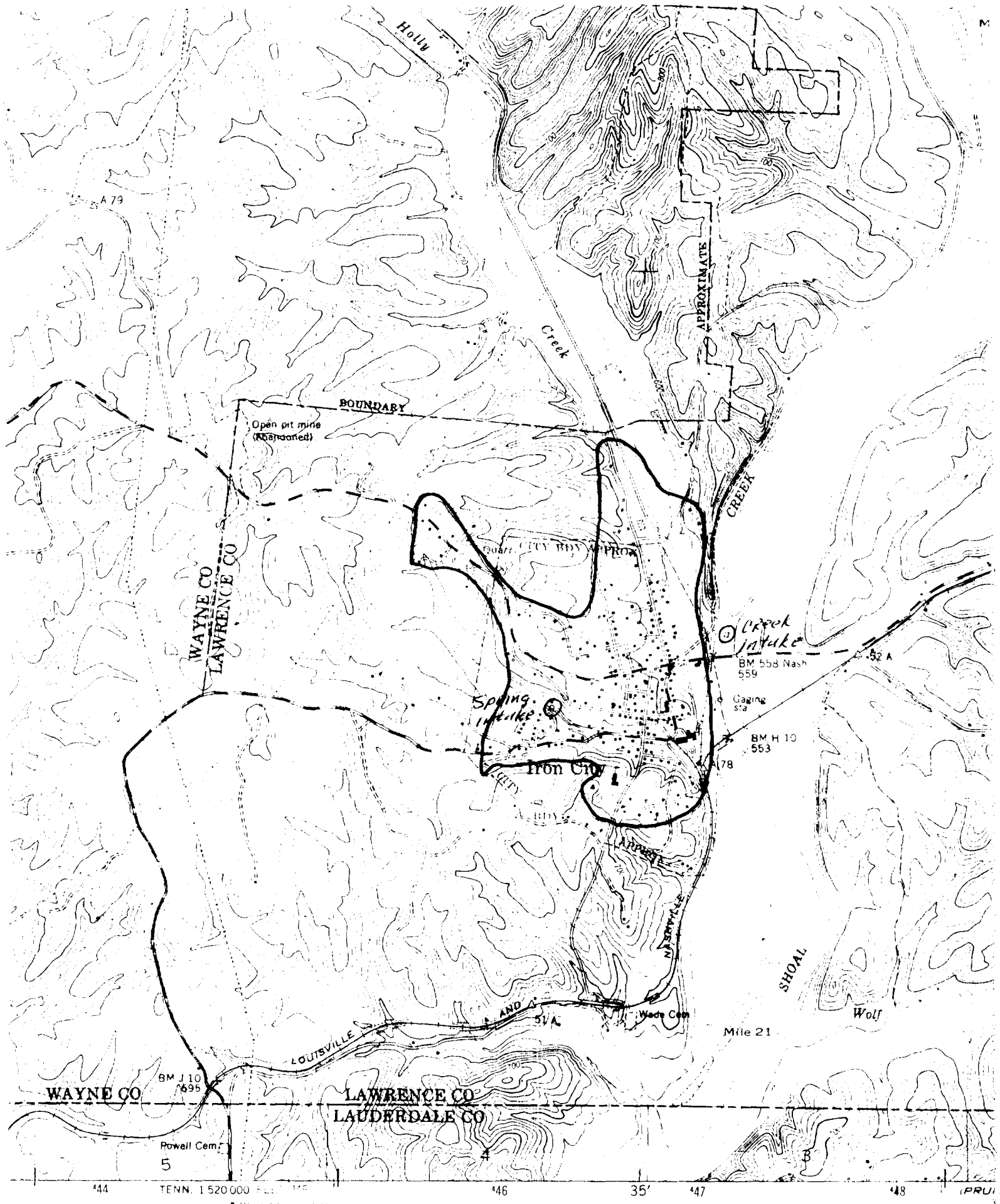
NO CARRIER



d by Tennessee Valley Authority
Geological Survey

A, USGS, CE, and TVA

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Systems
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and recompilation of wood and
Tennessee Valley Authority from aerial
This information is not field checked

MN
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0°19'
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2°00'
36 MILS

UTM GRID AND 1976 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

Fine purple dashed lines indicate selected fence and field lines visible on aerial photography. This information is unchecked

SCAL

CONTOUR IN
DASHED LINES REPRESE
NATIONAL GEODETIC

THIS MAP COMPLIES WITH NA
FOR SALE BY U.S. GEOLOGICAL
TENNESSEE DIVISION OF GE
U.S. TENNESSEE VALLEY AUTHORITY, CHATTA
A FOLDER DESCRIBING TOPOGRAPHIC M

NUS CORPORATION
NORTH LAKE SQUARE OFFICE PARK
1726 MONTREAL CIRCLE
SUITE 20
TUCKER, GEORGIA 30084
(404) 938-7710

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January 24, 1984
C-586-1-4-42

Mr. R. D. Stonebraker, Deputy Chief
Emergency and Remedial Response Branch
Air and Waste Management Division
U. S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Re: Tennessee Site Inspection Reports, TDD F4-8303-06

Dear Mr. Stonebraker:

Attached are two copies each of the following site inspection reports:

- Southern Industrial Maintenance Company
  Iron City, Tennessee
- Heil Quaker Corporation
  Lewisburg, Tennessee
- E. I. DuPont De Nemours & Company, Incorporated
  Old Hickory, Tennessee
- Old Hickory Chemical
  Old Hickory, Tennessee

The following are conclusions and recommendations concerning each of these sites.

Southern Industrial Maintenance Company, Iron City, Tennessee

Available data indicate that this site warrants a medium priority for future site investigation work. The site was used for repair and cleaning of tank rail cars that were used to transport elemental phosphorus and a variety of organic compounds. Dregs and washings from the tank cars were disposed of on site in two lagoons and a landfill. The two surface impoundments and landfill were closed under State supervision in 1980-1981. Prior to closure, a hydrogeologic investigation of the site was commissioned by the five major generators who sent elemental phosphorus tank cars to the site for repair and cleaning. The hydrogeological study revealed the following important site characteristics:

- shallow groundwater (10-15' BLS, dry season);

- the site lies within the 100 yr. flood plain of Buck Branch, a tributary to Shoal Creek which is classified for domestic water supply downstream of the site; and

- smoking and actually burning particles were observed in two of the borings during drilling operations at the site.

Monitoring wells were installed during the hydrogeologic investigation and sampled twice during the dry season (November and January 1980). Elemental phosphorus was found in all of the water wells, however none was found in surface water samples from Buck Branch or Shoal Creek. In addition, TOC levels found in the groundwater on site were 2-100 times levels found in surface water samples indicating a potential for off-site migration of organic contaminants.

Any future site investigation work at SIMCO should include but not necessarily be limited to the following:

1) sample selected monitoring wells during the wet season for phosphorus and priority pollutants,

2) sample surface water, upstream/downstream for phosphorus and indicator organics,

3) establish an up-gradient, background monitoring well and a down-gradient well further off-site

4) FIT was unable to locate and/or obtain a copy of the SIMCO closure plan or locate a State DPH employee with knowledge of the closure. This information should be ferreted out prior to any site investigation.

Heil Quaker Corporation, Lewisburg, Tennessee

This site should be considered a very low priority for future site investigation work. Heil Quaker operates a manufacturing facility for fabrication, cleaning, coating and painting of air conditioning and heating equipment. Wash-water booth paint residues were disposed of in an on-site landfill from 1974 until 1980 when the site was closed under State supervision. The paint residue solidified to a solid mass. Ponded water overlying the residue was analyzed prior to closure and found to be relatively innocuous. The size of the disposal area and the total volume of waste at the site are very low. The potential for off-site contamination and/or contamination of the local drinking water supply are also very low. Contamination of groundwater onsite cannot be totally discounted without the benefit of monitoring well data; however the potential significance of contamination is probably too low to justify installation of monitoring wells at this time.

E. I. DuPont De Nemours and Company, Incorporated, Old Hickory, Tennessee

During the site inspection at DuPont, FIT discussed three different sites. The first site reviewed was their inactive landfill which is the only site reported to EPA by DuPont under the requirements of CERCLA and thus, the subject of the site inspection report. The second site is two adjacent lagoons near the tank farm. FIT

inquired about these lagoons at the request of Jon Johnston. The third site is a contamination problem at the North Cove that the DuPont representatives voluntarily described to the FIT investigator.

The CERCLA site, an inactive landfill, was used for waste disposal from 1925 to 1974. The landfill was divided into two sections based on the types of wastes placed in the fill. The smaller section received drummed waste material while the larger section, known as "The Hill," received shipping cartons, construction debris, etc. DuPont installed monitoring wells around most of the perimeter of the landfill. A groundwater contamination problem was identified and attributed to the drummed waste section of the landfill. DuPont constructed a leachate and surface runoff collection system around this section of the landfill and currently treats the collected liquids in their onsite, biological wastewater treatment plant. The treatment plant discharges into a lagoon which then empties into Old Hickory Lake under an NPDES permit. According to DuPont, the leachate collection system was approved by the State of Tennessee. FIT contacted the State but to date has not been able to verify this with the Tennessee personnel.

Based on the unknowns that remain in the information made available to FIT, FIT recommends that further study of the inactive landfill be assigned medium priority. Further study should evaluate the adequacy of the treatment plant in destroying the hazardous chemical contaminants. Also, the potential for vertical migration of pollutants needs to be evaluated and the hydrological connection between the lake and groundwater should be characterized. In addition, there is a surface water intake used for drinking water about a mile upstream from DuPont's outfall. Since the intake is withdrawing from a lake, further study of DuPont should address the flow characteristics and mixing zones of the lake relative to the wastewater discharge point and the drinking water intake structure.

The FIT investigator inquired about two inactive lagoons near DuPont's tank farm at Jon Johnston's request but evaluation of these lagoons is not in this site inspection report because they are not official CERCLA sites or on ERRIS. These lagoons are shown on the site layout map in the site inspection report. One lagoon was used for DMT (dimethyl terephthalate) waste and the other pond was a flyash settling basin. According to DuPont, neither waste was considered hazardous and thus not reported in their CERCLA notification. DuPont allowed a firm to reclaim the residual copper and chromium in the flyash pond. Both ponds are now inactive and filled. According to DuPont, the State was informed of the ponds' closure and approved their procedures. Surface runoff from this area goes to a basin located beside the tank farm. The water in this pond is pumped to their biological treatment plant, bled into the plant inflow, and discharged to the lake via the NPDES-permitted outfall.

The DuPont representatives also described a contamination problem associated with an area known as the North Cove. Again, this problem was not included in this site inspection report for the same reasons as described above. DuPont once noticed a white material in ponded groundwater at the North Cove. Their analysis indicated that the material was aluminum oxide and iron oxide. DuPont has no idea where this material originated, but to prevent direct flow into the lake they installed a pump which transports this water to the onsite treatment plant.

It may be appropriate to obtain copies of the pertinent material to complete EPA's files on this facility and refer these sites to the State for further investigation under their RCRA 3012 program.

Old Hickory Chemical Company, Old Hickory, Tennessee

The Old Hickory Chemical Company, now defunct, operated as a joint venture between Stauffer Chemical Company and E. I. DuPont De Nemours and Company, Incorporated, from 1937 to 1963. The plant was located near where the DuPont Old Hickory Plant is today. The information gathered by FIT indicates that sodium hydrosulfide filter sludges, a waste product resultant from the operation of the Old Hickory Chemical Company, may have been landfilled on the site. Approximations from retired employees place this old landfill in the same location as part of DuPont's inactive landfill. More specifically, this old landfill is believed to be in the same area as the drummed waste section of the DuPont landfill, which is surrounded by a leachate and surface runoff collection system.

Sodium hydrosulfide was the only waste reported to be possibly disposed of onsite and it is very water soluble and nonpersistent. Assuming that estimates of the landfill location are correct, then DuPont's leachate and surface runoff collection system should significantly reduce the chances of a problem occurring due to the old landfill. To be more certain of the old landfill's location, FIT suggests that a combined geophysical survey and sampling study be implemented at the site. FIT recommends that this study be assigned a low priority because there is no immediate threat and no nearby population that would be directly affected by waste migration.

If you have any questions or comments concerning this report please do not hesitate to call.

Sincerely,

NUS Corporation

Mary Leslie

Mary Leslie, M.S.
Project Manager

Mary Leslie for

Jennifer Scott-Simpson
Project Scientist

hm

Enclosure

M.2 - SITE MAINTENANCE FORM

* ACTION: _

EPA ID : TND980559041

SITE NAME: SOUTHERN INDUSTRIAL MAINTENANCE CO SOURCE: N

STREET : S WALNUT ST CONG DIST: 06

CITY : IRON CITY ZIP: 38463

CNTY NAME: LAWRENCE CNTY CODE : 099

LATITUDE : 35/01/18.0 LONGITUDE : 087/34/54.0

LL-SOURCE: R LL-ACCURACY:

SMSA : HYDRO UNIT: 06030005

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N

NPL IND: N NPL LISTING DATE: NPL DELISTING DATE:

SITE/SPILL IDS:

RPM NAME: RPM PHONE: - -

SITE CLASSIFICATION: SITE APPROACH:

DIOXIN TIER: REG FLD1: REG FLD2:

RESP TERM: PENDING ( ) NO FURTHER ACTION ( )

ENF DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( )
ENFORCED RESPONSE ( ) COST RECOVERY ( )

SITE DESCRIPTION:

PENDING (_) NO FURTHER ACTION (_)

M.2 - PROGRAM MAINTENANCE FORM

ACTION: _

SITE: SOUTHERN INDUSTRIAL MAINTENANCE CO

EPA ID: TND980559041 PROGRAM CODE: H01 PROGRAM TYPE: _

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: SOUTHERN INDUSTRIAL MAINTENANCE CO
PROGRAM: SITE EVALUATION

EPA ID: TND980559041 PROGRAM CODE: H01 EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E * _ ___ _ *

EVENT NAME: DISCOVERY STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 06/01/81	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: SOUTHERN INDUSTRIAL MAINTENANCE CO
PROGRAM: SITE EVALUATION

EPA ID: TND980559041 PROGRAM CODE: H01 EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E * _ ___ _ *

EVENT NAME: PRELIMINARY ASSESSMENT STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 08/01/83	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 01/01/84	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: SOUTHERN INDUSTRIAL MAINTENANCE CO
PROGRAM: SITE EVALUATION

EPA ID: TND980559041 PROGRAM CODE: H01 EVENT TYPE: SI1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E * _ ___ _ *

EVENT NAME: SITE INSPECTION STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 10/01/83	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 06/01/84	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - COMMENT MAINTENANCE FORM

SITE: SOUTHERN INDUSTRIAL MAINTENANCE CO

EPA ID: TND980559041

COM NO	COMMENT	ACTION
001	TNS000001157-THE SIMCO SITE WAS USE	
	D BY HOOKER CHEM. CO TO CLEAN AND	
002	REPAIR APPROX. 30 TO 60 PHOSPHORIC	
	ACID TANK CARS AND 6-8 ELEMENTAL	
003	PHOSPHOUS TANK CARS PER YEAR. SITE	
	WAS ALSO USED BY OTHER TANK CAR	
004	USERS FOR SIMILAR CLEANING AND REPA	
	IRS. SITE WAS CLOSED ACCORDING TO A	
005	TENN. DEPT. OF PUBLIC HEALTH, DIV.	
	OF SOLID WASTE MGT. APPROVED	
006	CLOSURE PLAN IN 1980. FINAL APPROVA	
	L OF THE SITE CLOSURE PLAN WAS	
007	RECEIVED FROM THE STATE ON JAN.22,1	
	981. DATES OF WASTE HANDLING: 1964	
008	TO 1977. CONTACT: DANA C. LOCKWOOD.	
	ENV. PROGRAM. MGR. 716-278-7054.	
009	PA DONE BY EPA 83/01	

R-586-3-5-8

SITE SCREENING REPORT
SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
IRON CITY, TENNESSEE

Prepared Under
TDD NO. F4-8402-22
CONTRACT NO. 68-01-6699

FOR THE

AIR AND WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

MARCH 15, 1985

NUS CORPORATION
SUPERFUND DIVISION

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Regional Project Manager

NOTICE

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SITE SCREENING REPORT
SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
IRON CITY, TENNESSEE

1.0 INTRODUCTION

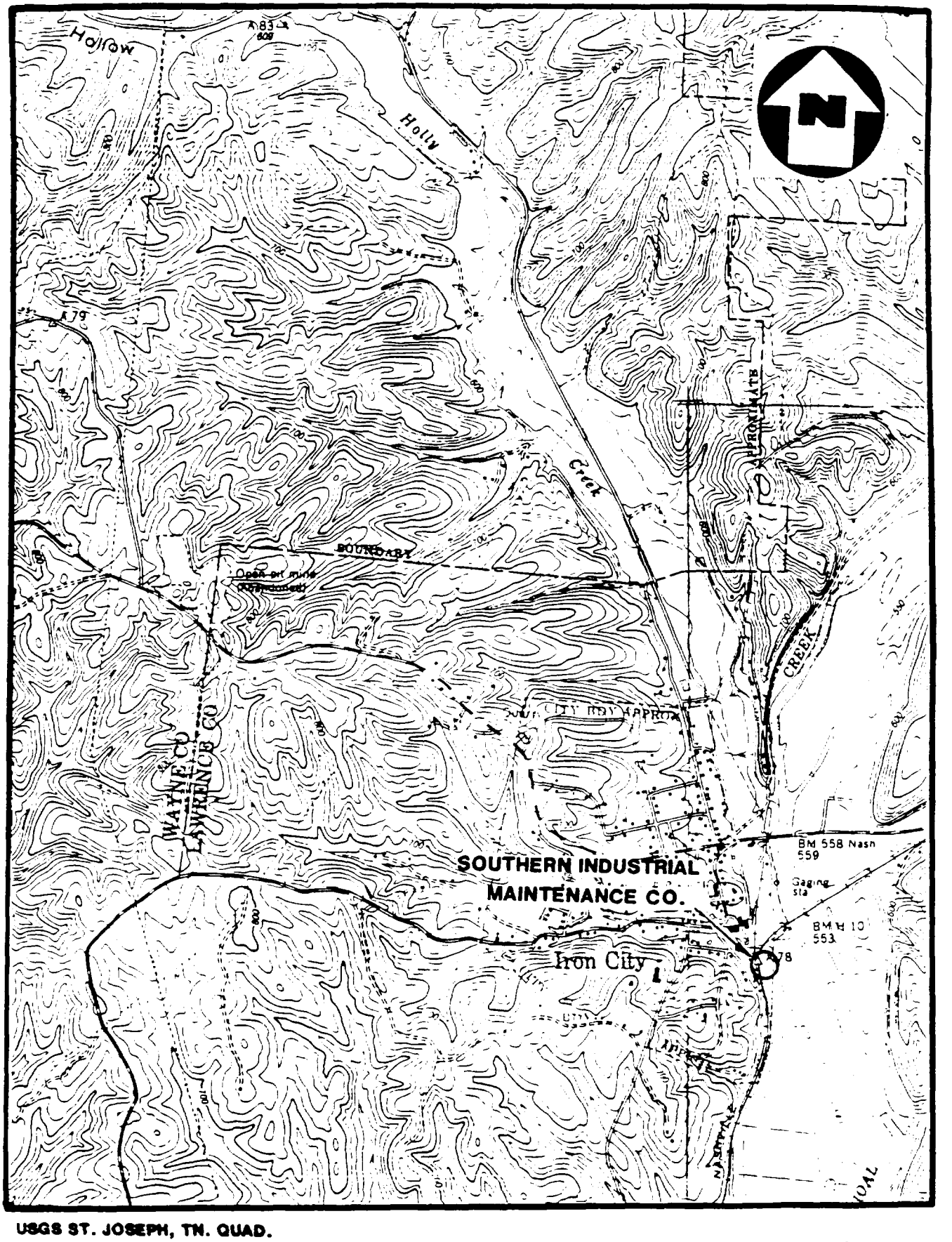
On March 28 and 29, 1984, the Region IV Field Investigation Team (FIT) of the NUS Corporation conducted a site screening study at the Southern Industrial Maintenance Company (SIMCO), located in Iron City, Tennessee. Susan Levin, Carlos Riano and Arnie Ostrofsky conducted the study at the request of the U.S. EPA Region IV Air and Waste Management Division (AWMD) in accordance with the instructions contained in the Technical Directive Document (TDD) F4-8402-22.

The purpose of this site screening study was to collect soil and water samples from on and around the facility and to provide the analytical data needed to determine the presence of organic and inorganic compounds not normally found in this area. The sampling locations were chosen to target the most likely contamination sources. This study did not include a geophysical evaluation of the site.

2.0 SITE CHARACTERIZATION

2.1 Site Description

The Southern Industrial Maintenance Company is located in Iron City, Lawrence County, Tennessee. The two acre site, as shown in Figure 1, is more specifically located at coordinates 35°01'10" N latitude and 87°34'48" W longitude on the St. Joseph Quadrangle, United States Geological Survey Map. The site is bounded to the north by Buck Branch Creek, to the south by trees, to the east by the L & N Railroad, and on the west by South Walnut Street. SIMCO was owned and operated by Ms. Rose Ernst from 1964 to June 1982. The current property owner is Mr. Arnold Stutts.



USGS ST. JOSEPH, TN. QUAD.

GENERAL LOCATION OF SOUTHERN INDUSTRIAL MAINTENANCE CO. IRON CITY, TN.

FIGURE 1

NUS CORPORATION

A Halliburton Company

SCALE

1" = 2000'

2.2 Site History

From 1964 to 1977, SIMCO serviced and cleaned rail tank cars used for elemental phosphorus transport. In 1977, the phosphorus producers discontinued the use of SIMCO's services.

For the next two years (1977 to 1979), SIMCO repaired and cleaned tank cars that transported a variety of organic and inorganic chemicals[1]. Cleaning operations ceased after 1979 and no work has been performed at the site since late 1983.

Cleaning of the phosphorus tank cars involved removal of residual elemental phosphorus sludge and then flushing the inside with water. The sludge was disposed of in an onsite waste disposal pit and the phosphate contaminated water was allowed to settle untreated in two earthen ponds located to the west of the metal maintenance building (Fig. 2). The tank cars containing residual organic or inorganic chemicals were flushed, with the contents draining to the earthen ponds.

In 1979, five major elemental phosophorus producers, FMC Corporation, Philadelphia, Pennsylvania; Hooker Chemicals & Plastics Corporation, Columbia, Tennessee; Mobil Chemical Company, Richmond, Virginia; Monsanto Company, St. Louis, Missouri; and Stauffer Chemical Company, Westport, Connecticut, who had utilized SIMCO's services, contracted with Associated Water and Air Resources Engineers, Inc. (AWARE) of Nashville, Tennessee to perform a hydrogeological investigation at the SIMCO site. The purpose of the study was to determine the extent of surface and ground water contamination caused from SIMCO's cleaning and burial operations.

Results of the subsurface investigation indicated that at the site there are less than 10 feet of clayey to silty soils overlying limestone bedrock interbedded with shale. The depth to the ground water at SIMCO is typically less than eight feet with localized flow to the northeast toward Buck Branch[2].

Analytical results in the AWARE report, demonstrated the presence of elemental phosphorus in soil samples taken from the waste disposal area and in water samples

taken from onsite monitoring wells and a pond. Two organic compounds, methylene chloride and bis(2-ethylhexyl) phthalate were detected in samples taken from the pond[3].

During late 1980 and 1981 the two ponds and waste disposal pit were closed under state supervision[1]. A steel, open-ended building with a concrete floor, presently covers the ponds and a portion of the old disposal area. Four of the seven monitoring wells installed by AWARE still exist. The remaining wells installed in the old disposal area could not be located. Monitoring wells located on the south side of the property near the facility entrance and across Walnut Street were dry, thus they could not be sampled. Two monitoring wells on the north end of the facility had water and were sampled.

3.0 FIELD INVESTIGATION

3.1 Laboratory Analyses

The organic analyses of all water and soil samples collected during this site screening study were performed by Mead Compu/Chem, Research Triangle Park, North Carolina. Inorganic analyses of the samples were performed by Wilson Laboratories, Salinas, Kansas. The analytical laboratory data are attached as Appendix A.

Some of the analyses have limited data review and should be utilized for site-screening purposes only. Included in this category are the purgeable organics, extractable organics and pesticides for both the soil and water samples collected at each sampling location.

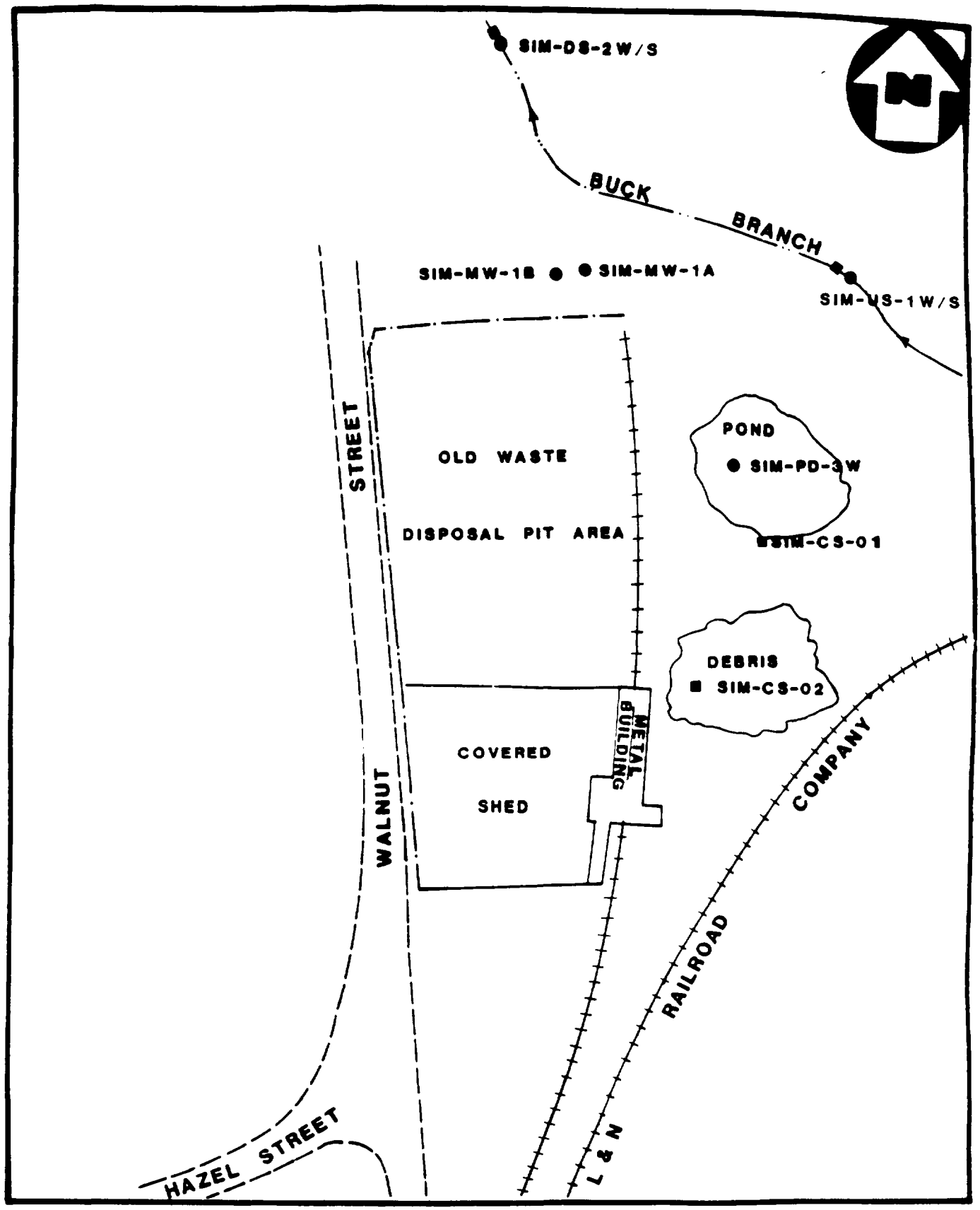
3.2 Sampling Locations

The site screening study at the SIMCO site consisted of the collection of five water samples and four soil/sediment samples. Table I lists the sample codes and descriptions and Figure 2 identifies the sampling locations. Water samples were collected from upstream and downstream locations on Buck Branch Creek, two

TABLE I
SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
SAMPLE CODES AND DESCRIPTIONS

Code	Description
SIM*-US-1W	Buck Branch water sample - upstream, 30 yards east of site boundary.
SIM-DS-2W	Buck Branch water sample - downstream, 60 yards north of facility.
SIM-PD-3W	Pond water sample, 10 yards east of Walnut Street.
SIM-MW-1A	Monitoring well 1A, 10 yards downhill from old waste disposal pit.
SIM-MW-1B	Monitoring well 1B, 15 feet west of monitoring well 14.
SIM-US-1S	Buck Branch sediment sample - upstream
SIM-DS-2S	Buck Branch sediment sample - downstream
SIM-CS-01	Composite soil sample - south edge of pond
SIM-CS-02	Composite soil sample - east of old waste disposal pit area, amongst debris

*SIM - Code short for Southern Industrial Maintenance Company. This designation will not be used in the narrative report or in the tables.



SAMPLE LOCATIONS
SOUTHERN INDUSTRIAL
MAINTENANCE COMPANY
IRON CITY, TENNESSEE

LEGEND

● WATER

■ SOIL

FIGURE 2

NUS CORPORATION
A Halliburton Company

onsite monitoring wells, and a pond, located downhill and to the northeast of the old waste disposal pit. Sediment samples were collected from the upstream and downstream locations on Buck Branch Creek. Soil samples were collected near the pond and from a stained area east of the metal building. This area was full of debris; steel scrap, car parts, a 55-gallon drum, paint cans and trash. Duplicate samples were refused by Mr. Stutts, the current property owner.

4.0 ANALYTICAL RESULTS OF SAMPLES

4.1 Water Samples

Six organic compounds were detected in the five water samples collected during this study; three herbicides, tetrahydrofuran, acetone and an unidentified petroleum product (Table II). The three herbicides; Simazine (6-chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine), Atrazine (6-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine) and Dual (2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide) were only detected in the sample collected from the pond. From this site screening study it cannot be determined whether these particular chemicals had seeped out from the waste pit or had washed down with other rainfall runoff from the surrounding area.

Monitoring wells 1A (14 feet deep, 2 inch PVC casing) and 1B (8 feet deep, 3 inch PVC casing) had detectable levels of tetrahydrofuran (THF), a solvent used to dissolve synthetic resins, particularly polyvinyl chloride. THF is also used as an electrolytic solvent in the production of tetraethyl and tetramethyl lead, gasoline anti-knock compounds. The monitoring well 1B sample also contained a small amount of acetone. Since this organic compound was routinely used to decontaminate sampling equipment; its presence cannot be solely attributed to past disposal practices at this site.

The number of inorganic compounds detected in the water samples ranged from a low of four (Buck Branch Creek samples) to a high of 14 (Monitoring Well 1B). Zinc was the only priority pollutant (as listed in the 1976 EPA/NRDC Consent Decree) detected in all five of the samples (Table III). Seven metals (three priority

TABLE II

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

WATER SAMPLES

ORGANIC COMPOUNDS (ug/l)

Sampled 3/28/84

Compound	Buck Branch Upstream US-1W	Buck Branch Downstream DS-2W	Pond PD-3W	East Monitoring Well MW-1A	West Monitoring Well MW-1B
Acetone	-	-	-	-	2400
Tetrahydrofuran	-	-	-	20(A)(B)	5(A)(B)
Petroleum Product					(B)
Simazine	-	-	200(A)(B)	-	-
Atrazine	-	-	40(A)(B)	-	-
Dual	-	-	2000(A)(B)		

- Material was analyzed for but not detected

(A) Estimated value

(B) Presumptive evidence of presence of material

TABLE III

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

WATER SAMPLES

INORGANIC COMPOUNDS (ug/l)

Sampled 3/28/84

Compound	Buck Branch Upstream US-1W	Buck Branch Downstream DS-2W	Pond PD-3W	East Monitoring Well MW-1A	West Monitoring Well MW-1B
Zinc*	30	50	160	20	1200
Aluminum	700	500	26000	1300	270000
Manganese	40	40	610	550	30000
Iron	520	610	21000	2500	280
Barium	-	-	100	-	1300
Cadmium*	-	-	8	-	5
Lead*	-	-	56	16	660
Cobalt	-	-	-	-	140
Chromium*	-	-	-	-	310
Copper*	-	-	-	-	190
Nickel*	-	-	-	-	250
Tin	-	-	-	-	70
Vanadium	-	-	-	-	600
Mercury*	-	-	-	-	0.9

* Priority pollutant

\- Material was analyzed for but not detected

pollutants) were detected in the sample from the pond, northeast of the old waste disposal pit. The concentration of lead (56 ug/l) exceeded the water quality criteria established for surface waters in the area[4]. Since the pond is situated in a low area slightly upgradient of Buck Branch, the potential exists for runoff from the pond to enter the creek and cause contamination.

4.2 Soil/Sediment Samples

The analysis of the four soil/sediment samples revealed the presence of eight organic compounds; five priority pollutants, two herbicides and a petroleum product (Table IV). Although no organics were detected in the upstream sample, the downstream sample contained five extractable organic compounds and a petroleum product. Four of these organic compounds; fluoranthene, pyrene, benzo(a)anthracene and chrysene are polynuclear aromatic compounds (PNAs) associated with asphalt paving, wood preserving and other processes in which coal tar based materials are used (5) (6) (7) (8). It should be noted that the downstream sampling location was downgradient from the L & N Railroad tracks and within 10 yards of Walnut Street. Buck Branch Creek is the major receptacle for rainfall runoff in the immediate vicinity of the site. The soil sample from the debris area east of the metal building also contained a petroleum product. The analyses of the composite soil sample collected near the pond revealed the presence of the two herbicides, simazine and dual (note that the water sample from the pond also contained these same two herbicides). The levels of all the organic compounds detected in the soil/sediment samples were estimated values.

Fifteen inorganic substances were detected in the four soil/sediment samples. All four of these samples contained 12 metals in common (six priority pollutants). The downstream sample and the sample near the pond also contained low levels of cyanide (Table V). The results of the laboratory analysis of the sample collected from the debris area showed the highest concentrations of five metals, (barium, chromium, nickel, lead and zinc), while the analytical results for cyanide, beryllium, cadmium, cobalt, copper and mercury were highest in the sample nearest the pond.

TABLE IV

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

SOIL SAMPLES

ORGANIC COMPOUNDS (ug/kg)

Sampled 3/28/84

Compound	Buck Branch Upstream US-1S	Buck Branch Downstream DS-2S	Pond CS-01	Debris Area CS-02
Petroleum Product		(B)		(B)
Simazine			8000(A)(B)	
Dual			10000(A)(B)	
Fluoranthene*	-	800(A)	-	-
Pyrene*	-	600(A)	-	-
Bis(2-Ethylhexyl) Phthalate*	-	300(A)	-	-
Benzo(A)Anthracene*	-	400(A)	-	-
Chrysene*	-	400(A)	-	-

* Priority pollutant

\- Material was analyzed for but not detected

(A) Estimated value

(B) Presumptive evidence of presence of material

TABLE V

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

IRON CITY, TN

SOIL SAMPLES

INORGANIC COMPOUNDS (ug/kg)

Sampled 3/28/84

Compound	Buck Branch Upstream US-1S	Buck Branch Downstream DS-2S	Pond CS-01	Debris Area CS-02
Cyanide*	-	0.1	0.7	-
Barium	40	110	110	250
Beryllium*	1	-	0.5	-
Cadmium*	0.2	0.2	0.6	0.4
Cobalt	5	6	11	8
Chromium*	28	23	13	39
Copper*	8	7	17	15
Nickel*	9	7	17	27
Lead*	10	14	55	130
Vanadium	30	30	30	10
Zinc*	62	35	93	470
Aluminum	3000	3500	8900	2700
Manganese	870	970	1100	660
Iron	54000	54000	20000	9200
Mercury*	-	-	0.06	-

* Priority Pollutant

\- Material was analyzed for but not detected

5.0 SUMMARY OF ANALYTICAL RESULTS

With the exception of barium, all concentration values for the parameters detected in the upstream and downstream samples from Buck Branch Creek are similar. The five organic compounds detected in the downstream soil sample cannot be wholly attributed to the past activities performed at SIMCO.

Samples from and near the pond, located to the east of the old waste disposal pit, did contain herbicides and a few metals in concentrations above those found in the stream.

Concentration of five of the chemicals found in the sample from the debris area are higher than those for the other samples. This is an isolated area and any contaminated soil could be removed with little trouble.

The sample collected from Monitoring Well 1B contained 17 chemicals. The presence of tetrahydrofuran could be attributed to its use as a tank car cleaning solvent. The depth of this well was only eight feet below ground level.

6.0 METHODOLOGY

All sample collection, sample preservation and chain-of-custody procedures used during this investigation were in accordance with the standard operating procedures as specified in Sections 3, 4, and 6 of the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual (Draft)(9); United States Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980 and all revisions to the SOP addressed in the following correspondences:

Blackwell, P. (October 21, 1983) Changes in Sampling Procedures.
Wilson, C. (December 14, 1983) Region IV Sampling SOP Revisions.

All laboratory analyses and laboratory quality assurance procedures used during this investigation were in accordance with standard procedures and protocols as

specified in the Analytical Support Branch Operations and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division; April 1982 or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for contract analytical laboratory program (10).

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10. Analytical Support Branch Operations and Quality Assurance Manual; U.S. Environmental Protection Agency, Region IV, Environmental Services Division; April 1982.

APPENDIX A
ANALYTICAL DATA

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY
WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100U	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1U	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
16	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
20	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
1300	UG/L	ALUMINUM	01105
550	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
2.5	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
20JN	TETRAHYDROFURAN

****

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2014 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1A
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3256 INORG SAMPLE NO.: MD1457
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.1U	UG/L	ALDRIN	39330
0.1U	UG/L	HEPTACHLOR	39410
0.1U	UG/L	HEPTACHLOR EPOXIDE	39420
0.1U	UG/L	ALPHA-BHC	39337
0.1U	UG/L	BETA-BHC	39338
0.1U	UG/L	GAMMA-BHC (LINDANE)	39340
0.1U	UG/L	DELTA-BHC	34259
0.1U	UG/L	ENDOSULFAN 1 (ALPHA)	34361
0.1U	UG/L	DIELDRIN	39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.1U	UG/L	ENDRIN	39390
0.1U	UG/L	ENDOSULFAN II (BETA)	34356
0.1U	UG/L	ENDOSULFAN SULFATE	34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.1U	UG/L	TOXAPHENE	39400
0.1U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
1300	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
5	UG/L	CADMIUM	01027
140	UG/L	COBALT	01037
310	UG/L	CHROMIUM	01034
190	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
250	UG/L	NICKEL	01067
660	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
70	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
600	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
1200	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.9	UG/L	MERCURY	71900
270000	UG/L	ALUMINUM	01105
30000	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
280	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FKA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
100U	2-NITROANILINE
100U	3-NITROANILINE
100U	4-NITROANILINE
N	PETROLEUM PRODUCT

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
2400	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
5JN	TETRAHYDROFURAN

****

FOOTNOTES
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2013 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-MW-1B
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3255 INORG SAMPLE NO.: MD1456
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND		STORET
0.1U	UG/L	ALDRIN		39330
0.1U	UG/L	HEPTACHLOR		39410
0.1U	UG/L	HEPTACHLOR EPOXIDE		39420
0.1U	UG/L	ALPHA-BHC		39337
0.1U	UG/L	BETA-BHC		39338
0.1U	UG/L	GAMMA-BHC (LINDANE)		39340
0.1U	UG/L	DELTA-BHC		34259
0.1U	UG/L	ENDOSULFAN 1 (ALPHA)		34361
0.1U	UG/L	DIELDRIN		39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)		39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)		39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)		39310
0.1U	UG/L	ENDRIN		39390
0.1U	UG/L	ENDOSULFAN II (BETA)		34356
0.1U	UG/L	ENDOSULFAN SULFATE		34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE)	/1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)		39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)		39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)		39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)		39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)		39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)		39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)		34671
0.1U	UG/L	TOXAPHENE		39400
0.1U	UG/L	ENDRIN ALDEHYDE		34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)		34675
--	UG/L	CHLORDENE	/2	77884
--	UG/L	ALPHA-CHLORDENE	/2	
--	UG/L	GAMMA-CHLORDENE	/2	
--	UG/L	1-HYDROXYCHLORDENE	/2	
--	UG/L	GAMMA-CHLORDANE	/2	39810
--	UG/L	TRANS-NONACHLOR	/2	39071
--	UG/L	ALPHA-CHLORDANE	/2	39348
--	UG/L	CIS-NONACHLOR	/2	39068
NA	UG/L	METHOXYCHLOR		39480

****

FOOTNOTES
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

****

FOOTNOTES
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100U	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1U	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
5U	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
30	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
700	UG/L	ALUMINUM	01105
40	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
0.52	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: STM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
1000	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
2000	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NA1-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
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CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
1000U	ACETONE
2000U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
1000U	METHYL BUTYL KETONE
1000U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2009 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3233 INORG SAMPLE NO.: MD1435
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.1U	UG/L	ALDRIN	39330
0.1U	UG/L	HEPTACHLOR	39410
0.1U	UG/L	HEPTACHLOR EPOXIDE	39420
0.1U	UG/L	ALPHA-BHC	39337
0.1U	UG/L	BETA-BHC	39338
0.1U	UG/L	GAMMA-BHC (LINDANE)	39340
0.1U	UG/L	DELTA-BHC	34259
0.1U	UG/L	ENDOSULFAN I (ALPHA)	34361
0.1U	UG/L	DIELDRIN	39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.1U	UG/L	ENDRIN	39390
0.1U	UG/L	ENDOSULFAN II (BETA)	34356
0.1U	UG/L	ENDOSULFAN SULFATE	34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.1U	UG/L	TOXAPHENE	39400
0.1U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100U	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1U	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
5U	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01084
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
50	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
500	UG/L	ALUMINUM	01105
40	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
0.61	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MFAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR STTF SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40J	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: ND1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE

****

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
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*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2010 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-2W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3234 INORG SAMPLE NO.: MD1436
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.1U	UG/L	ALDRIN	39330
0.1U	UG/L	HEPTACHLOR	39410
0.1U	UG/L	HEPTACHLOR EPOXIDE	39420
0.1U	UG/L	ALPHA-BHC	39337
0.1U	UG/L	BETA-BHC	39338
0.1U	UG/L	GAMMA-BHC (LINDANE)	39340
0.1U	UG/L	DELTA-BHC	34259
0.1U	UG/L	ENDOSULFAN I (ALPHA)	34361
0.1U	UG/L	DIELDRIN	39380
0.1U	UG/L	4,4'-DDT (P,P'-DDT)	39300
0.1U	UG/L	4,4'-DDE (P,P'-DDE)	39320
0.1U	UG/L	4,4'-DDD (P,P'-DDD)	39310
0.1U	UG/L	ENDRIN	39390
0.1U	UG/L	ENDOSULFAN II (BETA)	34356
0.1U	UG/L	ENDOSULFAN SULFATE	34351
0.1U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
0.1U	UG/L	PCB-1242 (AROCLOR 1242)	39496
0.1U	UG/L	PCB-1254 (AROCLOR 1254)	39504
0.1U	UG/L	PCB-1221 (AROCLOR 1221)	39488
0.1U	UG/L	PCB-1232 (AROCLOR 1232)	39492
0.1U	UG/L	PCB-1248 (AROCLOR 1248)	39500
0.1U	UG/L	PCB-1260 (AROCLOR 1260)	39508
0.1U	UG/L	PCB-1016 (AROCLOR 1016)	34671
0.1U	UG/L	TOXAPHENE	39400
0.1U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.01U	MG/L	CYANIDE	00720

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
2U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
100	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
8	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
56	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
160	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
26000	UG/L	ALUMINUM	01105
610	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
21	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONAL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
40U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/L	BENZIDINE	39120
40U	UG/L	1,3-DICHLOROBENZENE	34566
40U	UG/L	1,4-DICHLOROBENZENE	34571
40U	UG/L	1,2-DICHLOROBENZENE	34536
40U	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
40U	UG/L	HEXACHLOROETHANE	34396
40U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
40U	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
40U	UG/L	NITROBENZENE	34447
40U	UG/L	HEXACHLOROBUTADIENE	39702
40U	UG/L	1,2,4-TRICHLOROBENZENE	34551
40U	UG/L	NAPHTHALENE	34696
40U	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
40U	UG/L	ISOPHORONE	34408
40U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
40U	UG/L	2-CHLORONAPHTHALENE	34581
40U	UG/L	ACENAPHTHYLENE	34200
40U	UG/L	ACENAPHTHENE	34205
40U	UG/L	DIMETHYL PHTHALATE	34341
40U	UG/L	2,4-DINITROTOLUENE	34611
40U	UG/L	2,6-DINITROTOLUENE	34626
40U	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
40U	UG/L	FLUORENE	34381
40U	UG/L	DIETHYL PHTHALATE	34336
40U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
40U	UG/L	HEXACHLOROBENZENE (HCB)	39700
40U	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
40U	UG/L	PHENANTHRENE	34461
40U	UG/L	ANTHRACENE	34220
40U	UG/L	DI-N-BUTYLPHTHALATE	39110
40U	UG/L	FLUORANTHENE	34376
40U	UG/L	PYRENE	34469
40U	UG/L	BENZYL BUTYL PHTHALATE	34292
40U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
40U	UG/L	BENZO(A)ANTHRACENE	34526
40U	UG/L	CHRYSENE	34320
NA	UG/L	3,3'-DICHLOROBENZIDINE	34631
40U	UG/L	DI-N-OCTYLPHTHALATE	34596
40U	UG/L	BENZO(B)FLUORANTHENE	
40U	UG/L	BENZO(K)FLUORANTHENE	
40U	UG/L	BENZO-A-PYRENE	34247
40U	UG/L	INDENO (1,2,3-CD) PYRENE	34403
40U	UG/L	DIBENZO(A,H)ANTHRACENE	34556
40U	UG/L	BENZO(GHI)PERYLENE	34521
40U	UG/L	2-CHLOROPHENOL	34586
40U	UG/L	2-NITROPHENOL	34591
40U	UG/L	PHENOL	34694
40U	UG/L	2,4-DIMETHYLPHENOL	34606
40U	UG/L	2,4-DICHLOROPHENOL	34601
40U	UG/L	2,4,6-TRICHLOROPHENOL	34621
40U	UG/L	4-CHLORO-3-METHYLPHENOL	34452
100U	UG/L	2,4-DINITROPHENOL	34616
40U	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
40U	UG/L	PENTACHLOROPHENOL	39032
200U	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
200U	BENZOIC ACID
40U	2-METHYLPHENOL
40U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
40U	ANILINE
40U	BENZYL ALCOHOL
100U	4-CHLOROANILINE
40U	DIBENZOFURAN
40U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE
200JN	SIMAZINE
40JN	ATRAZINE
2000JN	DUAL

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/L	ACROLEIN	34210
100U	UG/L	ACRYLONITRILE	34215
5U	UG/L	CHLOROMETHANE	34418
5U	UG/L	BROMOMETHANE	34413
5U	UG/L	VINYL CHLORIDE	39175
5U	UG/L	CHLOROETHANE	34311
5U	UG/L	METHYLENE CHLORIDE	34423
5U	UG/L	1,1-DICHLOROETHENE	34501
5U	UG/L	1,1-DICHLOROETHANE	34496
5U	UG/L	TRANS-1,2-DICHLOROETHENE	34546
5U	UG/L	CHLOROFORM	32106
5U	UG/L	1,2-DICHLOROETHANE	32103
5U	UG/L	1,1,1-TRICHLOROETHANE	34506
5U	UG/L	CARBON TETRACHLORIDE	32102
5U	UG/L	BROMODICHLOROMETHANE	32101
5U	UG/L	1,2-DICHLOROPROPANE	34541
5U	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
5U	UG/L	TRICHLOROETHENE	39180
5U	UG/L	BENZENE	78124
5U	UG/L	DIBROMOCHLOROMETHANE	34306
5U	UG/L	1,1,2-TRICHLOROETHANE	34511
10U	UG/L	CIS-1,3-DICHLOROPROPENE	34704
5U	UG/L	2-CHLOROETHYLVINYL ETHER	34576
5U	UG/L	BROMOFORM	32104
5U	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
5U	UG/L	TETRACHLOROETHENE	34475
5U	UG/L	TOLUENE	78131
5U	UG/L	CHLOROBENZENE	34301
5U	UG/L	ETHYL BENZENE	34371
NA	UG/L	M-XYLENE	
5U	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D325R INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
100U	ACETONE
200U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
100U	METHYL BUTYL KETONE
100U	METHYL ISOBUTYL KETONE
5U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C2015 SAMPLE TYPE: MONWL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-PD-3W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3258 INORG SAMPLE NO.: MD1459
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2U	UG/L	ALDRIN	39330
2U	UG/L	HEPTACHLOR	39410
2U	UG/L	HEPTACHLOR EPOXIDE	39420
2U	UG/L	ALPHA-BHC	39337
2U	UG/L	BETA-BHC	39338
2U	UG/L	GAMMA-BHC (LINDANE)	39340
2U	UG/L	DELTA-BHC	34259
2U	UG/L	ENDOSULFAN I (ALPHA)	34361
2U	UG/L	DIELDRIN	39380
2U	UG/L	4,4'-DDT (P,P'-DDT)	39300
2U	UG/L	4,4'-DDE (P,P'-DDE)	39320
2U	UG/L	4,4'-DDD (P,P'-DDD)	39310
2U	UG/L	ENDRIN	39390
2U	UG/L	ENDOSULFAN II (BETA)	34356
2U	UG/L	ENDOSULFAN SULFATE	34351
2U	UG/L	CHLORDANE (TECH. MIXTURE) /1	39350
2U	UG/L	PCB-1242 (AROCLOR 1242)	39496
2U	UG/L	PCB-1254 (AROCLOR 1254)	39504
2U	UG/L	PCB-1221 (AROCLOR 1221)	39488
2U	UG/L	PCB-1232 (AROCLOR 1232)	39492
2U	UG/L	PCB-1248 (AROCLOR 1248)	39500
2U	UG/L	PCB-1260 (AROCLOR 1260)	39508
2U	UG/L	PCB-1016 (AROCLOR 1016)	34671
2U	UG/L	TOXAPHENE	39400
2U	UG/L	ENDRIN ALDEHYDE	34366
0.004U	UG/L	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/L	CHLORDENE /2	77884
--	UG/L	ALPHA-CHLORDENE /2	
--	UG/L	GAMMA-CHLORDENE /2	
--	UG/L	1-HYDROXYCHLORDENE /2	
--	UG/L	GAMMA-CHLORDANE /2	39810
--	UG/L	TRANS-NONACHLOR /2	39071
--	UG/L	ALPHA-CHLORDANE /2	39348
--	UG/L	CIS-NONACHLOR /2	39068
NA	UG/L	METHOXYCHLOR	39480

****

FOOTNOTES
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*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SOUTHERN INDUSTRIAL MAINTENANCE COMPANY

SOIL SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD, REG IV
ATHENS GEORGIA

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.1U	MG/KG	CYANIDE	00721

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIN-US-18
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.5U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01021
40	MG/KG	BARIUM	01008
1	MG/KG	BERYLLIUM	01013
0.2	MG/KG	CADMIUM	01028
5	MG/KG	COBALT	01038
28	MG/KG	CHROMIUM	01029
8	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
9	MG/KG	NICKEL	01068
10	MG/KG	LEAD	01052
1U	MG/KG	ANTIMONY	01098
0.1U	MG/KG	SELENIUM	01146
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	48811
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
30	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	48814
62	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.05U	MG/KG	MERCURY	71921
3000	MG/KG	ALUMINUM	01108
870	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
54000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-18
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
5000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
NA	UG/KG	BENZIDINE	39121
5000U	UG/KG	1,3-DICHLOROBENZENE	34569
5000U	UG/KG	1,4-DICHLOROBENZENE	34574
5000U	UG/KG	1,2-DICHLOROBENZENE	34539
5000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
5000U	UG/KG	HEXACHLOROETHANE	34399
5000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34246
5000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
5000U	UG/KG	NITROBENZENE	34580
5000U	UG/KG	HEXACHLOROBUTADIENE	39702
5000U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
5000U	UG/KG	NAPHTHALENE	34446
5000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
5000U	UG/KG	ISOPHORONE	34411
5000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
5000U	UG/KG	2-CHLORONAPHTHALENE	34584
5000U	UG/KG	ACENAPHTHYLENE	34203
5000U	UG/KG	ACENAPHTHENE	34208
5000U	UG/KG	DIMETHYL PHTHALATE	34344
5000U	UG/KG	2,4-DINITROTOLUENE	34614
5000U	UG/KG	2,6-DINITROTOLUENE	34629
5000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
5000U	UG/KG	FLUORENE	34384
5000U	UG/KG	DIETHYL PHTHALATE	34339
5000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34636
5000U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
5000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34638
5000U	UG/KG	PHENANTHRENE	34464
5000U	UG/KG	ANTHRACENE	34223
5000U	UG/KG	DI-N-BUTYLPHTHALATE	39112
5000U	UG/KG	FLUORANTHENE	34379
5000U	UG/KG	PYRENE	34472
5000U	UG/KG	BENZYL BUTYL PHTHALATE	34292
5000U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
5000U	UG/KG	BENZO(A)ANTHRACENE	34526
5000U	UG/KG	CHRYSENE	34373
NA	UG/KG	3,3'-DICHLOROBENZIDINE	34634
5000U	UG/KG	DI-N-OCTYLPHTHALATE	34899
5000U	UG/KG	BENZO(B)FLUORANTHENE	
5000U	UG/KG	BENZO(K)FLUORANTHENE	
5000U	UG/KG	BENZO-A-PYRENE	34250
5000U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
5000U	UG/KG	DIBENZO(A,H)ANTHRACENE	34889
5000U	UG/KG	BENZO(GHI)PERYLENE	34524
5000U	UG/KG	2-CHLOROPHENOL	34589
5000U	UG/KG	2-NITROPHENOL	34894
5000U	UG/KG	PHENOL	34695
5000U	UG/KG	2,4-DIMETHYLPHENOL	34409
5000U	UG/KG	2,4-DICHLOROPHENOL	34601
5000U	UG/KG	2,4,6-TRICHLOROPHENOL	34621
5000U	UG/KG	4-CHLORO-3-METHYLPHENOL	34452
5000U	UG/KG	2,4-DINITROPHENOL	34616
5000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
5000U	UG/KG	PENTACHLOROPHENOL	39061
5600U	UG/KG	4-NITROPHENOL	34649
26	%	MOISTURE	70330

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-1S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
5600U	BENZOIC ACID
5000U	2-METHYLPHENOL
5000U	4-METHYLPHENOL
5600U	2,4,5-TRICHLOROPHENOL
5000U	ANILINE
5000U	BENZYL ALCOHOL
5000U	4-CHLOROANILINE
5000U	DIBENZOFURAN
5000U	2-METHYL NAPHTHALENE
5600U	2-NITROANILINE
5600U	3-NITROANILINE
5600U	4-NITROANILINE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

/26/84 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H4C2016 SAMPLE TYPE: SOIL

ROJECT NO.: H4-109 PROGRAM ELEMENT: GSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-US-15
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: 401437
ONTRACT LABORATORY(ORGANIC): HEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TRH SAMPLE DATA VERIFIED BY: FRA

REMARKS
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

******ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	#TORET
1000	UG/KG	ACROLEIN	34213
1000	UG/KG	ACRYLONITRILE	34214
100	UG/KG	CHLOROETHANE	34421
100	UG/KG	BROMOETHANE	34416
100	UG/KG	VINYL CHLORIDE	34495
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34426
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34499
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
100	UG/KG	CHLOROFORM	34318
100	UG/KG	1,2-DICHLOROETHANE	34534
100	UG/KG	1,1,1-TRICHLOROETHANE	34509
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34540
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34699
100	UG/KG	TRICHLOROETHENE	34487
100	UG/KG	BENZENE	34237
100	UG/KG	DIBROMOCHLOROMETHANE	34309
100	UG/KG	1,1,2-TRICHLOROETHANE	34514
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34704
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34299
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
100	UG/KG	TETRACHLOROETHENE	34475
100	UG/KG	TOLUENE	34483
100	UG/KG	CHLOROBENZENE	34304
100	UG/KG	ETHYL BENZENE	34371
NA	UG/KG	O-XYLENE	
100	UG/KG	DEP-XYLENE(MIXED)	
26	%	MOISTURE	79320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FAD,REG IV
ATHENS GEORGIA

6/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C2016 SAMPLE TYPE: SOIL

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OUNCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIN-US-18
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMICAL:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
ONTRACT LABORATORY(ORGANIC): FEAD
ONTRACT LABORATORY(INORGANIC): FILESON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FRA

REMARKS
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
1000	ACETONE
2000	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
10U	STYRENE
200	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *RAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
FPA-FSD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2016 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-US-18
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3235 INORG SAMPLE NO.: MD1437
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
6U	UG/KG	ALDRIN	39333
6U	UG/KG	HEPTACHLOR	39413
6U	UG/KG	HEPTACHLOR EPOXIDE	39423
6U	UG/KG	ALPHA-BHC	39076
6U	UG/KG	BETA-BHC	34257
6U	UG/KG	GAMMA-BHC (LINDANE)	39343
6U	UG/KG	DELTA-BHC	34262
6U	UG/KG	ENDOSULFAN I (ALPHA)	34364
6U	UG/KG	DIELDRIN	39383
6U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
6U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
6U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
6U	UG/KG	ENDRIN	39393
6U	UG/KG	ENDOSULFAN II (BETA)	34359
6U	UG/KG	ENDOSULFAN SULFATE	34354
6U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
6U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
6U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
6U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
6U	UG/KG	PCB-1232 (AROCLOR 1232)	39495
6U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
6U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
6U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
6U	UG/KG	TOXAPHENE	39403
6U	UG/KG	ENDRIN ALDEHYDE	34369
0.30	UG/KG	2,3,7,8 TCDD(DIOXIN)	34678
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
26	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.1	MG/KG	CYANIDE	00721

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-28
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2494 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

)7/08/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-DS-28
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: MAW
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.8U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01021
110	MG/KG	BARIUM	01008
0.2U	MG/KG	BERYLLIUM	01013
0.2	MG/KG	CADMIUM	01028
6	MG/KG	COBALT	01038
23	MG/KG	CHROMIUM	01029
7	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
7	MG/KG	NICKEL	01068
14	MG/KG	LEAD	01082
1U	MG/KG	ANTIMONY	01098
0.1U	MG/KG	SELENIUM	01148
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45511
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
30	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
35	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.05U	MG/KG	MERCURY	71921
3500	MG/KG	ALUMINUM	01105
970	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00927
54000	MG/KG	IRON	01170
22000	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	[illegible]
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

6/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

'ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-DS-28
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: FRA
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
5000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/KG	BENZIDINE	39121
5000U	UG/KG	1,3-DICHLOROBENZENE	34469
5000U	UG/KG	1,4-DICHLOROBENZENE	34474
5000U	UG/KG	1,2-DICHLOROBENZENE	34539
5000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
5000U	UG/KG	HEXACHLOROETHANE	34399
5000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
5000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
5000U	UG/KG	NITROBENZENE	34450
5000U	UG/KG	HEXACHLOROBUTADIENE	39705
5000U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
5000U	UG/KG	NAPHTHALENE	34445
5000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
5000U	UG/KG	ISOPHORONE	34411
5000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
5000U	UG/KG	2-CHLORONAPHTHALENE	34584
5000U	UG/KG	ACENAPHTHYLENE	34203
5000U	UG/KG	ACENAPHTHENE	34208
5000U	UG/KG	DIMETHYL PHTHALATE	34344
5000U	UG/KG	2,4-DINITROTOLUENE	34614
5000U	UG/KG	2,6-DINITROTOLUENE	34629
5000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
5000U	UG/KG	FLUORENE	34384
5000U	UG/KG	DIETHYL PHTHALATE	34339
5000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34436
5000U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
5000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34638
5000U	UG/KG	PHENANTHRENE	34464
5000U	UG/KG	ANTHRACENE	34223
5000U	UG/KG	DI-N-BUTYLPHTHALATE	39112
800J	UG/KG	FLUORANTHENE	34379
600J	UG/KG	PYRENE	34472
5000U	UG/KG	BENZYL BUTYL PHTHALATE	34292
300J	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
400J	UG/KG	BENZO(A)ANTHRACENE	34526
400J	UG/KG	CHRYSENE	34323
NA	UG/KG	3,3'-DICHLOROBENZIDINE	34634
5000U	UG/KG	DI-N-OCTYLPHTHALATE	34599
5000U	UG/KG	BENZO(B)FLUORANTHENE	
5000U	UG/KG	BENZO(K)FLUORANTHENE	
5000U	UG/KG	BENZO-A-PYRENE	34250
5000U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
5000U	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
5000U	UG/KG	BENZO(GHI)PERYLENE	34524
5000U	UG/KG	2-CHLOROPHENOL	34589
5000U	UG/KG	2-NITROPHENOL	34594
5000U	UG/KG	PHENOL	34695
5000U	UG/KG	2,4-DIMETHYLPHENOL	34409
5000U	UG/KG	2,4-DICHLOROPHENOL	34604
5000U	UG/KG	2,4,6-TRICHLOROPHENOL	34621
5000U	UG/KG	4-CHLORO-3-METHYLPHENOL	34452
5000U	UG/KG	2,4-DINITROPHENOL	34616
5000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
5000U	UG/KG	PENTACHLOROPHENOL	39081
5600U	UG/KG	4-NITROPHENOL	34649
30	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-28
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
5600U	BENZOIC ACID
5000U	2-METHYLPHENOL
5000U	4-METHYLPHENOL
5600U	2,4,5-TRICHLOROPHENOL
5000U	ANILINE
5000U	BENZYL ALCOHOL
5000U	4-CHLOROANILINE
5000U	DIBENZOFURAN
5000U	2-METHYL NAPHTHALENE
5600U	2-NITROANILINE
5600U	3-NITROANILINE
5600U	4-NITROANILINE
N	PETROLEUM PRODUCT

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
FRA-ESD,REG IV
ATHENS GEORGIA

/26/84 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

OJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-DS-2S
URET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: S LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

HEMIST: FRA
ALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILFSON LAB

EMARK:
EMARK:

MPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS*
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
1000	UG/KG	ACROLEIN	34213
1000	UG/KG	ACRYLONITRILE	34218
100	UG/KG	CHLOROMETHANE	34421
100	UG/KG	BROMOMETHANE	34416
100	UG/KG	VINYL CHLORIDE	34495
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34426
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34499
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
100	UG/KG	CHLOROFORM	34318
100	UG/KG	1,2-DICHLOROETHANE	34534
100	UG/KG	1,1,1-TRICHLOROETHANE	34509
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34544
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
100	UG/KG	TRICHLOROETHENE	34487
100	UG/KG	BENZENE	34237
100	UG/KG	DIBROMOCHLOROMETHANE	34309
100	UG/KG	1,1,2-TRICHLOROETHANE	34514
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34290
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
100	UG/KG	TETRACHLOROETHENE	34476
100	UG/KG	TOLUENE	34483
100	UG/KG	CHLOROBENZENE	34304
100	UG/KG	ETHYL BENZENE	34374
NA	UG/KG	O-XYLENE	
100	UG/KG	O&P-XYLENE(MIXED)	
30	%	MOISTURE	70320

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *MAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H4C2017 SAMPLE TYPE: SOIL

OJECT NO.: H4-109 PROGRAM ELEMENT: NSF
URCE: SOUTHERN IND MAINT.
TY: IRON CITY STATE: TN

ATION I.D.: SIM-DS-25
DRET STATION NO:

MPLE COLLECTION: START DATE/TIME 03/28/84
MPLE COLLECTION: STOP DATE/TIME 00/00/00

LLECTED BY: B LEVIN RECEIVED FROM:
MPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
ALED:

EMIST:
ALYTICAL METHOD:

SF NO.: 2494 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
NTRACT LABORATORY(ORGANIC): MEAD
NTRACT LABORATORY(INORGANIC): WILFORD LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: FKA

REMARKS
IMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *AI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
1000	ACETONE
2000	METHYL ETHYL KETONE
200U	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
100U	STYRENE
200U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2017 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-DS-28
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3236 INORG SAMPLE NO.: MD1438
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
6U	UG/KG	ALDRIN	39333
6U	UG/KG	HEPTACHLOR	39413
6U	UG/KG	HEPTACHLOR EPOXIDE	39423
6U	UG/KG	ALPHA-BHC	39076
6U	UG/KG	BETA-BHC	34257
6U	UG/KG	GAMMA-BHC (LINDANE)	39343
6U	UG/KG	DELTA-BHC	34262
6U	UG/KG	ENDOSULFAN I (ALPHA)	34364
6U	UG/KG	DIELDRIN	39383
6U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
6U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
6U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
6U	UG/KG	ENDRIN	39393
6U	UG/KG	ENDOSULFAN II (BETA)	34359
6U	UG/KG	ENDOSULFAN SULFATE	34354
6U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
6U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
6U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
6U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
6U	UG/KG	PCB-1232 (AROCLOR 1232)	39495
6U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
6U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
6U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
6U	UG/KG	TOXAPHENE	39403
6U	UG/KG	ENDRIN ALDEHYDE	34369
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34678
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
30	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.7	MG/KG	CYANIDE	00721

07/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01074
0.8U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
110	MG/KG	BARIUM	01008
0.5	MG/KG	BERYLLIUM	01013
0.6	MG/KG	CADMIUM	01028
11	MG/KG	COBALT	01038
13	MG/KG	CHROMIUM	01029
17	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
17	MG/KG	NICKEL	01068
65	MG/KG	LEAD	01082
1U	MG/KG	ANTIMONY	01098
0.1U	MG/KG	SELENIUM	01148
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45811
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
30	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
93	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.06	MG/KG	MERCURY	71921
8900	MG/KG	ALUMINUM	01108
1100	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
20000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOOTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILPSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
5000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
NA	UG/KG	BENZIDINE	39121
5000U	UG/KG	1,3-DICHLOROBENZENE	34566
5000U	UG/KG	1,4-DICHLOROBENZENE	34574
5000U	UG/KG	1,2-DICHLOROBENZENE	34539
5000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
5000U	UG/KG	HEXACHLOROETHANE	34399
5000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
5000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
5000U	UG/KG	NITROBENZENE	34580
5000U	UG/KG	HEXACHLOROBUTADIENE	39702
5000U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
5000U	UG/KG	NAPHTHALENE	34445
5000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
5000U	UG/KG	ISOPHORONE	34411
5000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
5000U	UG/KG	2-CHLORONAPHTHALENE	34584
5000U	UG/KG	ACENAPHTHYLENE	34203
5000U	UG/KG	ACENAPHTHENE	34205
5000U	UG/KG	DIMETHYL PHTHALATE	34344
5000U	UG/KG	2,4-DINITROTOLUENE	34614
5000U	UG/KG	2,6-DINITROTOLUENE	34629
5000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
5000U	UG/KG	FLUORENE	34384
5000U	UG/KG	DIETHYL PHTHALATE	34336
5000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34436
5000U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
5000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34636
5000U	UG/KG	PHENANTHRENE	34464
5000U	UG/KG	ANTHRACENE	34221
5000U	UG/KG	DI-N-BUTYLPHTHALATE	39112
5000U	UG/KG	FLUORANTHENE	34376
5000U	UG/KG	PYRENE	34472
5000U	UG/KG	BENZYL BUTYL PHTHALATE	34296
5000U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
5000U	UG/KG	BENZO(A)ANTHRACENE	34526
5000U	UG/KG	CHRYSENE	34321
NA	UG/KG	3,3'-DICHLOROBENZIDINE	34634
5000U	UG/KG	DI-N-OCTYLPHTHALATE	34596
5000U	UG/KG	BENZO(B)FLUORANTHENE	
5000U	UG/KG	BENZO(K)FLUORANTHENE	
5000U	UG/KG	BENZO-A-PYRENE	34250
5000U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
5000U	UG/KG	DIBENZO(A,H)ANTHRACENE	34556
5000U	UG/KG	BENZO(GHI)PERYLENE	34524
5000U	UG/KG	2-CHLOROPHENOL	34589
5000U	UG/KG	2-NITROPHENOL	34594
5000U	UG/KG	PHENOL	34694
5000U	UG/KG	2,4-DIMETHYLPHENOL	34606
5000U	UG/KG	2,4-DICHLOROPHENOL	34604
5000U	UG/KG	2,4,6-TRICHLOROPHENOL	34624
5000U	UG/KG	4-CHLORO-3-METHYLPHENOL	34452
5000U	UG/KG	2,4-DINITROPHENOL	34616
5000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34049
5000U	UG/KG	PENTACHLOROPHENOL	39032
5000U	UG/KG	4-NITROPHENOL	34646
31	%	MOISTURE	70334

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
5800U	BENZOIC ACID
5000U	2-METHYLPHENOL
5000U	4-METHYLPHENOL
5800U	2,4,5-TRICHLOROPHENOL
5000U	ANILINE
5000U	BENZYL ALCOHOL
5000U	4-CHLOROANILINE
5000U	DIBENZOFURAN
5000U	2-METHYL NAPHTHALENE
5800U	2-NITROANILINE
5800U	3-NITROANILINE
5800U	4-NITROANILINE
8000JN	SIMAZINE
10000JN	DUAL

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: MSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2384 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: M01439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
1000	UG/KG	ACROLEIN	34213
1000	UG/KG	ACRYLONITRILE	34218
100	UG/KG	CHLOROMETHANE	34421
100	UG/KG	BROMOMETHANE	34416
100	UG/KG	VINYL CHLORIDE	34495
100	UG/KG	CHLOROETHANE	34314
100	UG/KG	METHYLENE CHLORIDE	34426
100	UG/KG	1,1-DICHLOROETHENE	34504
100	UG/KG	1,1-DICHLOROETHANE	34499
100	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
100	UG/KG	CHLOROFORM	34318
100	UG/KG	1,2-DICHLOROETHANE	34534
100	UG/KG	1,1,1-TRICHLOROETHANE	34509
100	UG/KG	CARBON TETRACHLORIDE	34299
100	UG/KG	BROMODICHLOROMETHANE	34330
100	UG/KG	1,2-DICHLOROPROPANE	34544
100	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
100	UG/KG	TRICHLOROETHENE	34487
100	UG/KG	BENZENE	34237
100	UG/KG	DIBROMOCHLOROMETHANE	34309
100	UG/KG	1,1,2-TRICHLOROETHANE	34514
100	UG/KG	CIS-1,3-DICHLOROPROPENE	34704
100	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
100	UG/KG	BROMOFORM	34290
100	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
100	UG/KG	TETRACHLOROETHENE	34476
100	UG/KG	TOLUENE	34483
100	UG/KG	CHLOROBENZENE	34304
100	UG/KG	ETHYL BENZENE	34374
NA	UG/KG	M-XYLENE	
100	UG/KG	O&P-XYLENE(MIXED)	
31	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-1 TEMPERENCES
*J-ESTIMATED VALUE *M-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,PEG IV
ATHENS GEORGIA

06/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C2018 SAMPLE TYPE: SOIL

PROJECT NO.: R4-109 PROGRAM ELEMENT: USF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIR-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALITICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: 001439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFORD LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRH DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
1000	ACETONE
2000	METHYL ETHYL KETONE
100	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
100	STYRENE
100	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*R=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2018 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3237 INORG SAMPLE NO.: MD1439
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
6U	UG/KG	ALDRIN	39333
6U	UG/KG	HEPTACHLOR	39413
6U	UG/KG	HEPTACHLOR EPOXIDE	39423
6U	UG/KG	ALPHA-BHC	39076
6U	UG/KG	BETA-BHC	34257
6U	UG/KG	GAMMA-BHC (LINDANE)	39343
6U	UG/KG	DELTA-BHC	34262
6U	UG/KG	ENDOSULFAN I (ALPHA)	34364
6U	UG/KG	DIELDRIN	39383
6U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
6U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
6U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
6U	UG/KG	ENDRIN	39393
6U	UG/KG	ENDOSULFAN II (BETA)	34359
6U	UG/KG	ENDOSULFAN SULFATE	34354
6U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
6U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
6U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
6U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
6U	UG/KG	PCB-1232 (AROCLOR 1232)	39495
6U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
6U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
6U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
6U	UG/KG	TOXAPHENE	39403
6U	UG/KG	ENDRIN ALDEHYDE	34369
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34678
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
31	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-F&D,REG IV
ATHENS GEORGIA

7/05/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.1U	MG/KG	CYANIDE	00721

ROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
OURCE: SOUTHERN IND MAINT.
ITY: IRON CITY STATE: TN

TATION I.D.: SIM-CS-02
TORET STATION NO:

AMPLE COLLECTION: START DATE/TIME 03/28/84
AMPLE COLLECTION: STOP DATE/TIME 00/00/00

OLLECTED BY: S LEVIN RECEIVED FROM:
AMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
EALED:

HEMIST: MAW CHEMIST:
NALYTICAL METHOD:

ASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
ONTRACT LABORATORY(ORGANIC): MEAD
ONTRACT LABORATORY(INORGANIC): WILSON LAB

EMARK:
EMARK:

AMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS*
ATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES*
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

07/05/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
0.5U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01021
250	MG/KG	BARIUM	01008
0.2U	MG/KG	BERYLLIUM	01013
0.4	MG/KG	CADMIUM	01028
8	MG/KG	COBALT	01038
39	MG/KG	CHROMIUM	01029
15	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
27	MG/KG	NICKEL	01068
130	MG/KG	LEAD	01052
1U	MG/KG	ANTIMONY	01098
0.1U	MG/KG	SELENIUM	01146
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	48813
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
10	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
470	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.05U	MG/KG	MERCURY	71921
2700	MG/KG	ALUMINUM	01108
660	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
9200	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-C8-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
25000U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
NA	UG/KG	BENZIDINE	39121
25000U	UG/KG	1,3-DICHLOROBENZENE	34569
25000U	UG/KG	1,4-DICHLOROBENZENE	34574
25000U	UG/KG	1,2-DICHLOROBENZENE	34539
25000U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
25000U	UG/KG	HEXACHLOROETHANE	34399
25000U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
25000U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
25000U	UG/KG	NITROBENZENE	34450
25000U	UG/KG	HEXACHLOROBUTADIENE	39702
25000U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
25000U	UG/KG	NAPHTHALENE	34445
25000U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34391
25000U	UG/KG	ISOPHORONE	34411
25000U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
25000U	UG/KG	2-CHLORONAPHTHALENE	34584
25000U	UG/KG	ACENAPHTHYLENE	34203
25000U	UG/KG	ACENAPHTHENE	34205
25000U	UG/KG	DIMETHYL PHTHALATE	34344
25000U	UG/KG	2,4-DINITROTOLUENE	34614
25000U	UG/KG	2,6-DINITROTOLUENE	34629
25000U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
25000U	UG/KG	FLUORENE	34384
25000U	UG/KG	DIETHYL PHTHALATE	34336
25000U	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34436
25000U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
25000U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34638
25000U	UG/KG	PHENANTHRENE	34464
25000U	UG/KG	ANTHRACENE	34221
25000U	UG/KG	DI-N-BUTYLPHTHALATE	39112
25000U	UG/KG	FLUORANTHENE	34379
25000U	UG/KG	PYRENE	34472
25000U	UG/KG	BENZYL BUTYL PHTHALATE	34298
25000U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
25000U	UG/KG	BENZO(A)ANTHRACENE	34526
25000U	UG/KG	CHRYSENE	34323
NA	UG/KG	3,3'-DICHLOROBENZIDINE	34634
25000U	UG/KG	DI-N-OCTYLPHTHALATE	34596
25000U	UG/KG	BENZO(B)FLUORANTHENE	
25000U	UG/KG	BENZO(K)FLUORANTHENE	
25000U	UG/KG	BENZO-A-PYRENE	34250
25000U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
25000U	UG/KG	DIBENZO(A,H)ANTHRACENE	34556
25000U	UG/KG	BENZO(GHI)PERYLENE	34524
25000U	UG/KG	2-CHLOROPHENOL	34589
25000U	UG/KG	2-NITROPHENOL	34594
25000U	UG/KG	PHENOL	34695
25000U	UG/KG	2,4-DIMETHYLPHENOL	34606
25000U	UG/KG	2,4-DICHLOROPHENOL	34604
25000U	UG/KG	2,4,6-TRICHLOROPHENOL	34424
25000U	UG/KG	4-CHLORO-3-METHYLPHENOL	34452
25000U	UG/KG	2,4-DINITROPHENOL	34619
25000U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34640
25000U	UG/KG	PENTACHLOROPHENOL	39064
50000U	UG/KG	4-NITROPHENOL	34646
20	%	MOISTURE	70370

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
50000U	BENZOIC ACID
25000U	2-METHYLPHENOL
25000U	4-METHYLPHENOL
50000U	2,4,5-TRICHLOROPHENOL
25000U	ANILINE
25000U	BENZYL ALCOHOL
25000U	4-CHLOROANILINE
25000U	DIBENZOFURAN
25000U	2-METHYL NAPHTHALENE
50000U	2-NITROANILINE
50000U	3-NITROANILINE
50000U	4-NITROANILINE
N	PETROLEUM PRODUCT

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D323M INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THB SAMPLE DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100U	UG/KG	ACROLEIN	34213
100U	UG/KG	ACRYLONITRILE	34215
10U	UG/KG	CHLOROMETHANE	34421
10U	UG/KG	BROMOMETHANE	34413
10U	UG/KG	VINYL CHLORIDE	34495
10U	UG/KG	CHLOROETHANE	34314
10U	UG/KG	METHYLENE CHLORIDE	34423
10U	UG/KG	1,1-DICHLOROETHENE	34504
10U	UG/KG	1,1-DICHLOROETHANE	34499
10U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
10U	UG/KG	CHLOROFORM	34318
10U	UG/KG	1,2-DICHLOROETHANE	34534
10U	UG/KG	1,1,1-TRICHLOROETHANE	34509
10U	UG/KG	CARBON TETRACHLORIDE	34249
10U	UG/KG	BROMODICHLOROMETHANE	34330
10U	UG/KG	1,2-DICHLOROPROPANE	34544
10U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
10U	UG/KG	TRICHLOROETHENE	34487
10U	UG/KG	BENZENE	34237
10U	UG/KG	DIBROMOCHLOROMETHANE	34306
10U	UG/KG	1,1,2-TRICHLOROETHANE	34514
10U	UG/KG	CIS-1,3-DICHLOROPROPENE	34704
10U	UG/KG	2-CHLOROETHYLVINYL ETHER	34578
10U	UG/KG	BROMOFORM	34299
10U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
10U	UG/KG	TETRACHLOROETHENE	34475
10U	UG/KG	TOLUENE	34483
10U	UG/KG	CHLOROBENZENE	34301
10U	UG/KG	ETHYL BENZENE	34371
NA	UG/KG	M-XYLENE	
10U	UG/KG	O&P-XYLENE(MIXED)	
20	%	MOISTURE	70320

****

FOOTNOTES
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*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

6/26/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: N4C2019 SAMPLE TYPE: SOIL

PROJECT NO.: N4-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND PAINT.
CITY: INDO CITY STATE: IN

STATION I.D.: SL1-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S DEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2444 ORG SAMPLE NO: D3216 INORG SAMPLE NO.: 01440
CONTRACT LABORATORY(ORGANIC): KEAD
CONTRACT LABORATORY(INORGANIC): WILSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THA DATA VERIFIED BY: FRA

WARNING
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
1000	ACETONE
200	METHYL ETHYL KETONE
100	CARBON DISULFIDE
1000	METHYL BUTYL KETONE
1000	METHYL ISOBUTYL KETONE
100	STYRENE
100	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

06/26/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C2019 SAMPLE TYPE: SOIL

PROJECT NO.: 84-109 PROGRAM ELEMENT: NSF
SOURCE: SOUTHERN IND MAINT.
CITY: IRON CITY STATE: TN

STATION I.D.: SIM-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 03/28/84
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: S LEVIN RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: FRA
ANALYTICAL METHOD:

CASE NO.: 2484 ORG SAMPLE NO: D3238 INORG SAMPLE NO.: MD1440
CONTRACT LABORATORY(ORGANIC): MEAD
CONTRACT LABORATORY(INORGANIC): WILFSON LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: FRA

REMARKS
LIMITED DATA REVIEW--USE DATA FOR SITE SCREENING ONLY!!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
50U	UG/KG	ALDRIN	39333
50U	UG/KG	HEPTACHLOR	39413
50U	UG/KG	HEPTACHLOR EPOXIDE	39423
50U	UG/KG	ALPHA-BHC	39076
50U	UG/KG	BETA-BHC	34267
50U	UG/KG	GAMMA-BHC (LINDANE)	39343
50U	UG/KG	DELTA-BHC	34262
50U	UG/KG	ENDOSULFAN I (ALPHA)	34364
50U	UG/KG	DIELDRIN	39383
50U	UG/KG	4,4'-DDT (P,P'-DDT)	39301
50U	UG/KG	4,4'-DDE (P,P'-DDE)	39321
50U	UG/KG	4,4'-DDD (P,P'-DDD)	39311
50U	UG/KG	ENDRIN	39393
50U	UG/KG	ENDOSULFAN II (BETA)	34359
50U	UG/KG	ENDOSULFAN SULFATE	34354
50U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
50U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
50U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
50U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
50U	UG/KG	PCB-1232 (AROCLOR 1232)	39495
50U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
50U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
50U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
50U	UG/KG	TOXAPHENE	39403
50U	UG/KG	ENDRIN ALDEHYDE	34369
0.3U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	61765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
20	%	MOISTURE	70320

****

FOOTNOTES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

United States
Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

EPA Form 2070-13
July 1981

EPA

Potential Hazardous Waste Site

Site Inspection Report

Site Inspection Report

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Southern Industrial Maintenance Company	S. Walnut Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Iron City	TN	38463	Lawrence		

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
__ __ __ __ . __	__ __ __ __ __ . __	☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 28 84 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1964 (BEGINNING YEAR) 1979 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☒ B. EPA CONTRACTOR NUS CORPORATION (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
SUSAN LEVIN	ENVIRONMENTAL SCIENTIST	NUS CORP	404 938 7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
CARLOS RIANO		NUS CORP	(404) 938 7710
ARNIE OSTROFSKY		NUS CORP	(404) 938 7710
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1000	CLOUDY/OVERCAST 65°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
DAN BREWER	TN DEPT OF Health + Environment	(901) 424 9200

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
SUSAN LEVIN		NUS CORP	(404) 938 7710	7 12 84 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND980559041

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [x] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [x] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [x] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [x] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			Spills on ground
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			Spills on ground
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site inspection conducted 3/28/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980584041

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

monitoring wells sampled

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Creek west of site sampled

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☒ OBSERVED (DATE 3/28/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

tar spills on the ground
red paint spills on the ground

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: _____ (Acres)
02 ☐ OBSERVED (DATE 3/28/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

noticeable stained soil on ground.

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

surrounding homes on public water supply

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980559041

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none observed

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

none observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

not observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☒ OBSERVED (DATE: 3/28/84) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

standing liquids, drums with tar, stained soil

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Tank car on property with unknown contents

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Abandoned facility, 2 tank cars still on property, lots of empty cans, drums scattered around shed

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site visit 3/28 - 3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
X A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
X I. OTHER pit (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER _____ (Specify)

05 OTHER
- X A. BUILDINGS ON SITE

06 AREA OF SITE: 2 (Acres)

07 COMMENTS

The two lagoons and waste pit that were utilized for waste disposal were closed and covered over during late 1980 and 1981

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

X A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC

wastes have been covered over

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES X NO

02 COMMENTS

stained soil around facility easily accessible

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

site visit 3/28-3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559040

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A ☒	B. ☐
NON-COMMUNITY	C ☐	D. ☐

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F ☐

03 DISTANCE TO SITE

A <1/8 (mi)

B _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one) not known

☐ A ONLY SOURCE FOR DRINKING

☐ B DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

☐ C COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)

☐ D NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER _____

03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
_____ (ft)	_____	_____ (ft)	_____ (gpd)	☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

10 RECHARGE AREA

☐ YES ☐ NO

COMMENTS

11 DISCHARGE AREA

☐ YES ☐ NO

COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR, RECREATION DRINKING WATER SOURCE

☐ B IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES

☐ C COMMERCIAL, INDUSTRIAL

☐ D NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
Buck Branch Creek	☐	forms northern boundary (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A 8 NO. OF PERSONS	B. _____ NO. OF PERSONS	C _____ NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

<1/8 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

_____

04 DISTANCE TO NEAREST OFF-SITE BUILDING

<1/8 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

There are 2 houses directly across the street from the site. Other houses are located up a hill east of the abandoned facility.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND 980559041

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
_____ (ft)	_____ (ft)	_____

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
_____ (in)	_____ (in)	_____ %		_____ %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A _____ (mi)

OTHER: B _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

ENDANGERED SPECIES _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A < 1/2 (mi)	B _____ (mi)	C _____ (mi)	D _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is downgradient of an old casket company and general store/gas station. The north end of the site slopes down to Buck Branch Creek.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site visit 3/26-3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559044

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	2	organic Mead Technology inorganic Wolfson Labs	7/84
SURFACE WATER	3	organic Mead Technology inorganic Wolfson Labs	7/84
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	4	organic Mead Technology inorganic Wolfson Labs	7/84
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
pH	upstream (6.87) MW 1A (6.48) downstream (6.86)
temp	upstream (9.2°C) MW 1A (11.7°C) downstream (12.7°C)

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS Corporation (Name of organization or individual)

03 MAPS ☐ YES ☐ NO

04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

site inspection conducted 3/28 - 3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Arnold Stutts			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**11 SIC CODE**
PO Box 135			
05 CITY / **06 STATE**	**07 ZIP CODE**	**12 CITY** / **13 STATE**	**14 ZIP CODE**
Iron City / TN	38463		

PARENT COMPANY (if applicable)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**11 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**12 CITY** / **13 STATE**	**14 ZIP CODE**

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**11 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**12 CITY** / **13 STATE**	**14 ZIP CODE**

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**11 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**12 CITY** / **13 STATE**	**14 ZIP CODE**

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**10 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**11 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**12 CITY** / **13 STATE**	**14 ZIP CODE**

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**05 CITY** / **06 STATE**	**07 ZIP CODE**

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**05 CITY** / **06 STATE**	**07 ZIP CODE**

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS** (P.O. Box, RFD #, etc.)	**04 SIC CODE**
05 CITY / **06 STATE**	**07 ZIP CODE**	**05 CITY** / **06 STATE**	**07 ZIP CODE**

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

TN Dept of Solid Waste Management, Nashville, TN (files)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980559041

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME: none	02 D+B NUMBER		10 NAME	11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER				

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 NAME	02 D+B NUMBER		10 NAME	11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME	02 D+B NUMBER		10 NAME	11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME	02 D+B NUMBER		10 NAME	11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND980539041

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
none	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 98055 9241

II. PAST RESPONSE ACTIVITIES none

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: TN 02 SITE NUMBER: TND 980359041

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

The area where the pits and lagoons had been were covered over. A metal shed now sits atop the former disposal site.
NUS conducted a site inspection at the facility on October 13, 1983.
In 1980 a consulting firm (AWARE) performed a hydrogeological investigation at this site.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS files (Atlanta, GA)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND980559041

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION [X] YES [ ] NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

The two lagoons and waste pit were closed under state supervision during late 1980 and 1981

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS files (Atlanta, GA)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Southern Industrial Maintenance Company	S. Walnut Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Iron City	TN	38463	Lawrence		

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
— — — — — . —	— — — — — . —	☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 28 84 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1964 (BEGINNING YEAR) 1979 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☒ B. EPA CONTRACTOR NUS CORPORATION (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ___ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR ___ (Name of firm) ☐ G. OTHER ___ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
SUSAN LEVIN	ENVIRONMENTAL SCIENTIST	NUS CORP	(404) 938 7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
CARLOS [illegible]		NUS CORP	(404) 938 7710
FRANK [illegible]		NUS CORP	(404) 938 7710
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1000	CLOUDY/SUNRISE 65°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
DAN BREWER	TN DEPT OF HEALTH + ENVIRONMENT	(901) 424 4200

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
SUSAN LEVIN		NUS CORP	(404) 938 7710	7 12 84 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND 980559641

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			spills on ground
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			spills on ground
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site inspection conducted 3/23/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980594541

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

many wells sampled

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

creek west of site sampled

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT — 02 ☒ OBSERVED (DATE 3/25/87) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

tire piles on the ground
red paint spills on the ground

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE 3/25/87) — ☐ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED _____ (Acres) — 04 NARRATIVE DESCRIPTION

noticeable stained soil on ground.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

surrounding homes on public water supply

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none observed

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

none observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

not observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids/Leaking drums) — 02 ☒ OBSERVED (DATE 3/23/84) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

standing liquids, drums with tar, stained soil

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Tank Car on property with unknown contents

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Abandoned facility, 2 tank cars still on property, lots of empty cans, drums scattered around shed

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

site visit 3/23 - 3/24/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND980559041

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A NPDES				
☐ B UIC				
☐ C AIR				
☐ D RCRA				
☐ E RCRA INTERIM STATUS				
☐ F SPCC PLAN				
☐ G STATE (Specify)				
☐ H LOCAL (Specify)				
☐ I OTHER (Specify)				
☐ J NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)
X A SURFACE IMPOUNDMENT			☐ A. INCENERATION
☐ B PILES			☐ B. UNDERGROUND INJECTION
☐ C DRUMS, ABOVE GROUND			☐ C. CHEMICAL/PHYSICAL
☐ D TANK, ABOVE GROUND			☐ D. BIOLOGICAL
☐ E TANK, BELOW GROUND			☐ E. WASTE OIL PROCESSING
☐ F LANDFILL			☐ F. SOLVENT RECOVERY
☐ G LANDFARM			☐ G. OTHER RECYCLING/RECOVERY
☐ H OPEN DUMP			☐ H. OTHER (Specify)
X I OTHER pit (Specify)			

05 OTHER

X A. BUILDINGS ON SITE

06 AREA OF SITE

2 (Acres)

07 COMMENTS

The two lagoons and waste pit that were utilized for waste disposal were closed and covered over during late 1980 and 1981

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

X A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

wastes have been covered over

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES X NO

02 COMMENTS

stained soil around facility easily accessible

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

site visit 3/28-3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A ☒	B ☐
NON-COMMUNITY	C ☐	D ☐

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A ☐	B ☐	C ☐
D ☐	E ☐	F ☐

03 DISTANCE TO SITE

A < 1/8 (mi)

B _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one) not known

☐ A ONLY SOURCE FOR DRINKING

☐ B DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

☐ C COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)

☐ D NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER _____

03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (mi)

04 DEPTH TO GROUNDWATER _____ (ft)

05 DIRECTION OF GROUNDWATER FLOW _____

06 DEPTH TO AQUIFER OF CONCERN _____ (ft)

07 POTENTIAL YIELD OF AQUIFER _____ (gpd)

08 SOLE SOURCE AQUIFER ☐ YES ☐ NO

09 DESCRIPTION OF WELLS (including useage, depth, and location relative to population and buildings)

10 RECHARGE AREA

☐ YES ☐ NO

COMMENTS

11 DISCHARGE AREA

☐ YES ☐ NO

COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR, RECREATION DRINKING WATER SOURCE

☐ B IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES

☐ C COMMERCIAL, INDUSTRIAL

☐ D NOT CURRENTLY USED

02 AFFECTED POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
Buck Branch Creek	☐	forms northern ex. bdy (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A 8 NO. OF PERSONS	B _____ NO. OF PERSONS	C _____ NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

< 1/8 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE _____

04 DISTANCE TO NEAREST OFF SITE BUILDING

< 1/8 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural village, densely populated urban area)

There are 2 houses directly across the street from the site. Other houses are located up a hill east of the abandoned facility.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IN	IND 980539041

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
_____ (ft)	_____ (ft)	_____

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
_____ (in)	_____ (in)	_____ %		_____ %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A _____ (mi)

OTHER: B _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

ENDANGERED SPECIES _____

13 LAND USE IN VICINITY

DISTANCE TO

COMMERCIAL INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A < 1/2 (mi)	B _____ (mi)	C _____ (mi)	D _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is downgradient of an old casket company and general store/gas station. The north end of the site slopes down to Buck Branch Creek.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site visit 3/28-3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980559041

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	2	organic Mead Technology inorganic Wolfson Labs	7/84
SURFACE WATER	3	organic Mead Technology inorganic Wolfson Labs	7/84
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	4	organic Mead Technology inorganic Wolfson Labs	7/84
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
pH	upstream (6.87) MW 1A (6.43) downstream (6.86)
temp	upstream (9.2°C) MW 1A (11.7°C) downstream (12.7°C)

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS Corporation (Name of organization or individual)

03 MAPS ☐ YES ☐ NO

04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site inspection conducted 3/28 - 3/29/84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980559041

II. CURRENT OWNER(S)			PARENT COMPANY (if applicable)		
01 NAME: Arnold Stutts	02 D+B NUMBER		08 NAME	09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.): P.O. Box 135	04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	
05 CITY: Iron City	06 STATE: TN	07 ZIP CODE: 38463	12 CITY	13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER		08 NAME	09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER		08 NAME	09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER		08 NAME	09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)			IV. REALTY OWNER(S) (if applicable; list most recent first)		
01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

TN Dept of Solid Waste Management, Nashville TN (files)

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND 980554041

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
None	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND980559041

II. ON-SITE GENERATOR

01 NAME: None	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER		01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND 980357644

II. PAST RESPONSE ACTIVITIES none

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: TN
02 SITE NUMBER: TND 980959041

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1 ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2 POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3 OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

The area where the pits and lagoons had been were covered over. A metal shed now sits atop the former disposal site. NUS conducted a site inspection at the facility on October 13, 1983. In 1989 a consulting firm (AquaRE) performed a hydrogeological investigation at this site.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS files (Atlanta, GA)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND980559041

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION X YES _ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

The two lagoons and waste pit were closed under state supervision during late 1980 and 1981

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS files (Atlanta, GA)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
TN	TND980559041

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Southern Industrial Maintenance Co.	P.O. Box 135

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Iron City	TN	38463	Lawrence	021	06

09 COORDINATES LATITUDE __ __ __.__ LONGITUDE ___ __ __.__

10 DIRECTIONS TO SITE (Starting from nearest public road)

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Rose Ornest 1964 to June 1982 Arnold Stutts June 1982	SAME

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
SAME			(615) 845-4119

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☐ YES DATE __/__/__ (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)

CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)

☐ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1964 (BEGINNING YEAR) | 1977 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

inorganics
acids

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Site inspection has been completed by EPA. (NUS)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☑ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency Organization)	03 TELEPHONE NUMBER
Arnold Stutts		( )

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Karen Bonner	DSWM		(615) 741-[illegible]	12 16 85 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND048055904

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A SOLID
- ☐ B POWDER, FINES
- ☐ C SLUDGE
- ☐ D OTHER _____ (Specify)
- ☐ E SLURRY
- ☐ F LIQUID
- ☐ G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS 1 hundred

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A TOXIC
- ☐ B CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F INFECTIOUS
- ☐ G FLAMMABLE
- ☐ H IGNITABLE
- ☐ I HIGHLY VOLATILE
- ☐ J EXPLOSIVE
- ☐ K REACTIVE
- ☐ L INCOMPATIBLE
- ☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
7					

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: _____ (Acres)
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION *(Include name(s) of species)*

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES *(Spills/runoff/standing liquids/leaking drums)* — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

EPA

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER (to be assigned by HQ)

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II *(Preliminary Assessment)*. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Southern Industrial Maint Corp.

B. STREET *(or other identifier)*:

C. CITY: Iron City

D. STATE: TN

E. ZIP CODE: 38463

F. COUNTY NAME: LAWRENCE

G. OWNER/OPERATOR *(if known)*

1. NAME: Ms. Rose Ernet

2. TELEPHONE NUMBER:

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☑ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

Impoundments

J. HOW IDENTIFIED *(i.e., citizen's complaints, OSHA citations, etc.)*

Eckhardt Report

K. DATE IDENTIFIED *(mo., day, & yr.)*: 11/21/79

L. PRINCIPAL STATE CONTACT

1. NAME: Solid Waste Management

2. TELEPHONE NUMBER: 741-3424

II. PRELIMINARY ASSESSMENT *(complete this section last)*

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE ☒ 5. UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED *(no hazard)*

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☑ 4. SITE INSPECTION NEEDED *(low priority)*

C. PREPARER INFORMATION

1. NAME:

2. TELEPHONE NUMBER: 90 3424

3. DATE *(mo., day, & yr.)*: 2-11-80

III. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE *(Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)*

☐ 2. INACTIVE *(Those sites which no longer receive wastes.)*

☐ 3. OTHER *(specify)* *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred)*

B. IS GENERATOR ON SITE?

☐ 1. NO ☐ 2. YES *(specify generator's four-digit SIC Code)*:

C. AREA OF SITE *(in acres)*:

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE *(deg.–min.–sec.)*:

2. LONGITUDE *(deg.–min.–sec.)*:

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☐ 2. YES *(specify)*:

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and d[illegible]s relating to each activity by marking 'X' in [illegible] appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	✓	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM/PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify): Repair & Clean Rail Cars
					9. OTHER (specify)		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

[X] 1 UNKNOWN [ ] 2 LIQUID [ ] 3. SOLID [ ] 4. SLUDGE [ ] 5. GAS

B. WASTE CHARACTERISTICS

[X] 1 UNKNOWN [ ] 2. CORROSIVE [ ] 3. IGNITABLE [ ] 4 RADIOACTIVE [ ] 5 HIGHLY VOLATILE
[ ] 6. TOXIC [ ] 7 REACTIVE [ ] 8 INERT [ ] 9 FLAMMABLE

[ ] 10. OTHER (specify)

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category, mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify)	(2) NON-HALOGNTD SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify)	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify)			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

Continue On Page 3

Continued From Page 2

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE *(place in descending order of hazard)*.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD *(mark 'X')*	C. ALLEGED INCIDENT *(mark 'X')*	D. DATE OF INCIDENT *(mo., day, yr.)*	E. REMARKS
1. NO HAZARD	✓			
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER *(specify)*				

Continue On Reverse

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD AT THE SITE.

- [ ] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [ ] 3. STATE PERMIT (specify) _____
- [ ] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER (specify) _____

B. IN COMPLIANCE?

- [ ] 1. YES
- [ ] 2. NO
- [x] 3. UNKNOWN
- [ ] 4. WITH RESPECT TO (list regulation name & number) _____

VIII. PAST REGULATORY ACTIONS

- [x] A. NONE
- [ ] B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- [ ] A. NONE
- [ ] B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

X. REMEDIAL ACTIVITY (past or on-going)

- [ ] A. NONE
- [ ] B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

hooker

345 THIRD STREET, BOX 728, NIAGARA FALLS, NEW YORK 14302, PHONE (716) 278-7000

June 9, 1981

U.S. EPA Region 4
Sites Notification
Atlanta, Georgia 30308

Gentlemen:

Re: Notification of Hazardous Waste Site - SIMCO

Enclosed is the completed hazardous waste site notification form for the hazardous waste facility utilized by the Hooker Chemicals & Plastics Corp. Columbia, Tennessee facility in Iron City, Tennessee.

This notification is being submitted in accordance with Section 103(c) of the Comprehensive Environmental Reports, Compensation, and Liability Act of 1980.

Very truly yours,

Dana C. Lockwood
Environmental Program Manager
Industrial Chemicals Group

DCL/tls
Enc.

EPA Notification of Hazardous Waste Site

United States Environmental Protection Agency
Washington DC 20460

R

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609

TN S000001157

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name: Hooker Chemicals & Plastics Corp.
Street: 345 Third Street, Box 728
City: Niagara Falls State: N.Y. Zip Code: 14303

B Site Location:

Enter the common name (if known) and actual location of the site.

Name: Southern Industrial Maintenance Co., Inc. (SIMCO)
Street: South Walnut St.
City: Iron City County: Lawrence State: Tenn. Zip Code: ~~03401~~ 2463

6/30 TND 980559041 85

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title): Lockwood, Dana C. Environmental Program Manager
Phone: (716) 278-7054

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year): 1964 To (Year): 1977

E Waste Type: Choose the option you prefer to complete

Option I: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☒ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☐ Heavy metals
6. ☒ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☐ Unknown
11. ☐ Other (Specify)

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☒ Other (Specify) Tank car cleaning

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

RECEIVED EPA/REGION IV JUN 9 10 28 PM '81 ENVIRONMENT DIVISION

0 0 0 6 1

Form Approved
OMB No. 2000-0138

EPA Form 8900-1

F Waste Quantity:

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☐ Landfill
4. ☐ Tanks
5. ☒ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☐ Other (Specify) _____

Total Facility Waste Amount

cubic feet est. 100 tons

gallons

Total Facility Area

square feet

acres 2

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☒ Known ☐ Suspected ☐ Likely ☐ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

The SIMCO site was used by Hooker to clean and repair approximately 30-60 phosphoric acid tank cars and 6-8 elemental phosphorus tank cars per year. The site was also used by other tank car users for similar cleaning and repairs. The site was closed according to a Tennessee Department of Public Health, Division of Solid Waste Management approved closure plan in 1980. Final approval of the site closure plan was received from the state on January 22, 1981.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name Dana C. Lockwood

Street 345 Third Street

City Niagara Falls State N.Y. Zip Code 14302

Signature Date

☐ Owner, Present
☐ Owner, Past
☐ Transporter
☐ Operator, Present
☐ Operator, Past
☒ Other